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CHEAP OIL-LIGHT LANTERN.

This lantern is not of the same high quality as all our other lanterns, being designed to compete with those very low-priced lanterns now so largely placed on the market, which are too cheap to enable the best lenses, &c., to be supplied with them, and which, consequently, give very little satisfaction to the purchaser. This lantern is, however, quite satisfactory in use, although not equal to our A.I. Lantern described on page 2 and figured on page 3; and is infinitely better both in mechanical construction and optical details than the too-cheap and too-common lanterns already referred to.

It can if desired be fitted with other illuminants than oil, but it is decidedly preferable to purchase a better lantern for such purposes.

7992 Russian Iron Lantern, fitted with brass front, 4-in. diameter double plano-convex condenser, double achromatic front lenses with rack and pinion for focussing, 4-wick oil lamp, and chimney, complete, in Russian iron case with handle for carrying (Fig. 7992) £3 3 0
NEWTON & CO.'S BEST QUALITY

OPTICAL LANTERNS.

The Lanterns in the following pages are all optically the same, the lenses, lamps, jets, &c., being throughout of the very best possible quality, and we take the same care, both in manufacturing and in testing, with the cheapest as we do with the most expensive. The entire difference in cost is therefore in the style of mounting and finish only, a body of tinned and japanned sheet-iron, for instance, being much cheaper than one made in mahogany with a solid brass front.

In cases where funds are limited, we can therefore most thoroughly recommend the cheapest of these lanterns; but where a little more is available, a more highly-finished instrument is often to be preferred, it being the usual experience that audiences and congregations think far more of a demonstration given with a well-finished lantern than of the same demonstration given with a cheap metal-bodied instrument; besides which, the wooden body keeps far cooler and the brass front is mechanically stronger and will stand more wear and tear, and permits, besides, of more accurate optical centring.

These more expensive bodies are, however, necessarily heavier, and hence for portability a metal body is often to be preferred.

NEWTON & CO.'S BEST QUALITY

A.1. OPTICAL LANTERN,

With Japanned Metal Body and Brass Front.

This is the very cheapest of our best-quality Optical Lanterns. In it we have the utmost efficiency combined with the minimum of cost. The body is strongly and well made of stout sheet-iron tinned and japanned. This material we find the best for lightness and strength, as it makes the lantern very light and portable, while its durability far exceeds that of Russian iron, particularly in damp climates. Owing to the comparatively inexpensive nature of the body, we are enabled to fit the finest quality lenses to this lantern without excessive cost. The condensers are 4 in. diameter, and are accurately ground and worked. The instrument can be provided with a front lens of suitable focus in order to suit the size of the room or hall where it is to be worked, or several different lenses of varying foci can be supplied with it if required. These small bodies are not, however, very suitable for long-range work, and we do not recommend them for halls more than 30 ft. long, at the outside.

Although for the sake of portability it may occasionally be worth while to buy a small lantern such as our "Miniature" Lantern for Acetylene or Lime Light, yet the advantage of so permanent an instrument as a good lantern being large enough to take any form of illuminant is so great as to outweigh in most cases the disadvantage of the very slightly increased size.

This lantern, being made to our Universal Standard Gauges throughout, can be fitted with any of the usual illuminants employed in lantern work, such as oil, incandescent gas, acetylene, lime light, or electric light, in their various forms. We do not, however, recommend it for a powerful mixed jet or arc lamp, as the small metal body becomes rather hot under these circumstances.

The form of the lantern is shown in Fig. 7993, and the cost, fitted with various lighting systems, is given on pages 3 and 4.
NEWTON & CO.'S BEST QUALITY
A.l. OPTICAL LANTERN,
With Japanned Metal Body and Brass Front.

Fitted with finest quality lenses.

AWARDED NUMEROUS DIPLOMAS OF HONOUR AND PRIZE MEDALS.

No. 7993.

A.1. METAL-BODIED OPTICAL LANTERN,
Fitted with Oil Light.

7993 A.l. Metal-bodied Optical Lantern (Fig. 7993), as described on page 2, with 4-in. condensers, 4½-in. double achromatic objective, and 3-wick “Newtonian” oil lamp, &c., complete, in portable case £4 4 0

7994 A.l. Metal-bodied Optical Lantern (Fig. 7993) as above, but fitted with 4-wick “Newtonian” oil lamp, complete, in portable case £4 10 0

This lantern, No. 7994, is very largely in use in public and private schools and in country parishes, and large numbers are at work in the Mission field. It will show an excellent picture up to 10 ft. or more in diameter.

A.1. METAL-BODIED OPTICAL LANTERN,
Fitted with Incandescent Gas Light.

7995 A.l. Metal-bodied Optical Lantern (Fig. 7993), as described on page 2, fitted with incandescent gas burner, complete, in portable case £4 2 6

Note.—We consider the 4½-in. objective fitted to the above three lanterns to be usually the best for an oil lamp or incandescent gas burner. For acetylene, lime, or Nernst electric light, we prefer a 6-in. focus lens. To a certain extent, however, it depends upon the shape of the hall, as with a 6-in. lens the lantern has to be placed rather further from the screen to produce the same result.

A 6-in. objective costs 9s. more than a 4½-in., and this difference must be allowed for if another lens is required than that catalogued. Speaking generally, however, longer focus lenses require a more powerful light, on account of the absorption of the atmosphere. If the illumination is strong enough, 10-in. or longer focus lenses may be employed in halls where it is most convenient to place the lantern some distance back from the screen. (See Long-Range Lanterns, page 10.)
A1. METAL-BODIED OPTICAL LANTERN, Fitted with Acetylene Light.

Complete Acetylene Outfit.

Very simple.

Absolutely safe.

Thoroughly Efficient.

With this instrument a brilliant picture can be shown, clear, sharp, and well-defined, of any size up to 12 ft. in diameter.

No. 7996.

7996 A1. Metal-bodied Optical Lantern, as described on page 2, but with 6-in. double achromatic objective, acetylene generator (No. 8088), high-power 4-burner acetylene jet (No. 8092), tray and top, 2 tins of carbide, connecting tubing, &C., in portable case... £7 7 0

Note.—The Acetylene Generator does not pack inside the case, but must be carried separately; it is, however, fairly portable, and can easily be carried in one hand.

Fig. 7996 shows this lantern and acetylene apparatus complete, together with tripod stand No. 8245 (35s. extra), the illustration showing the entire outfit fitted up ready for work.

A1. METAL-BODIED OPTICAL LANTERN, Fitted with Lime Light.

7997 A1. Metal-bodied Optical Lantern, as described on page 2, but fitted with blow-through lime-light jet (No. 8099), 6-in. double achromatic objective, Egyptian top and tray, limes, &C., in portable case... £5 5 0

7998 A1. Metal-bodied Optical Lantern, as above, but fitted with mixed-gas lime-light jet (No. 8102) 5 15 6

Note.—Two cylinders are required with this jet, or alternatively the Injector jet (No. 8106) may be used with a little sacrifice in light.

A1. METAL-BODIED OPTICAL LANTERN, Fitted with Nernst Electric Light.

7999 A1. Metal-bodied Optical Lantern, as described on page 2, fitted with single-filament Nernst electric lamp (No. 8146), tray and top, spirit lamp, 1 extra burner, and 1 extra resistance, &C., in portable case... £5 12 6

8000 A1. Metal-bodied Optical Lantern, as above, fitted with 3-burner Nernst electric lamp (No. 8149), complete with extra triple burner, 1 extra resistance, in portable case... 7 5 0

Note.—These A1. Metal-bodied Lanterns can also be fitted with our hand-feed arc lamps (Nos. 8156 and 8162), and also with our specially powerful mixed jet (No. 8105), but in these cases we advise larger lantern bodies, such as C.1., C.2., C.3., on pages 8 and 9.
A.2. METAL-BODIED "MINIATURE" LANTERN,
Fitted with Lime Light.

8001 "Miniature" Lantern, with best quality 4-inch double condenser, 6-inch double achromatic front lens, blow-through jet, in case .. £5 5 0

This lantern was designed in response to a desire expressed for the most portable lime-light lantern that can be made, which shall give a picture equal to that obtainable by the most expensive and complicated lantern, and is suitable for use where portability is of very great importance.

It is probably the smallest standard lantern made, being only 15½ in. by 6 in. by 7 in. and will show all standard-size pictures. The metal body is riveted throughout to give increased strength without extra weight. It is fitted with best quality 4-in. lime-light condensers, 6-in. double achromatic front lens, and blow-through lime-light jet with ratchet lime movement.

If a mixed-gas lime-light jet be preferred, the cost will be 11s. 6d. more.

A.3. MAHOGANY-BODIED LANTERN,
With Brass Front.

So many lecturers and demonstrators find it an advantage to have a good-looking lantern as well as a good instrument optically, that we have introduced a specially cheap form of mahogany-bodied lantern with a brass front. The lantern is exactly the same so far as lenses are concerned as A.l., the difference in price being entirely spent on appearance. The wooden body has, however, a practical advantage in keeping cooler to the touch than the metal one. The body is, of course, metal lined throughout and is thoroughly well made and put together. Where extreme portability, however, is required, this lantern comes a little heavier and also larger than the japanned one.

8002 A.3. Mahogany Lantern-Body and Brass Front, as above (Fig. 8002).

Can be supplied in place of Metal-Bodied Lantern A.1., fitted with any of the illuminants mentioned on the three previous pages at an extra cost of . . £1 1 0
LANTERN BOX AND STAND.

(NEWTON'S PATENT.)

This is a new form of combined Box and Stand for lanterns, very portable, and most convenient and steady in use. It can be made to suit any single oil or lime-light lantern.

The box which contains the lantern when packed, is so arranged that when in use it provides a base for the lantern, a table for the slides, a reading-desk for MSS., and a tilting-board which can be clamped at various heights so as to fix the lantern at any required angle. Size of case for our usual tin lantern, 19 in. by 14½ in. by 6½ in. inside.

It is fitted on to a very rigid tripod, folding for portability, so that the lantern can be placed with its optic axis 6½ ft. from the floor, thus doing away with the necessity of any other support, and saving the exhibitor the trouble of providing tables, &c.

Newton & Co. are the sole makers of these patent boxes.

8003 Newton's Patent Lantern Box and Stand. Fig. 8046 ... £1 15 0
For mahogany Lantern, 5s. extra.

8004 The Patent Lantern Box only, without stand ... 0 16 6
8005 The Folding Tripod Stand only, for use with ordinary boxes ... 0 18 6

These Boxes can be made larger and stronger to suit larger lanterns for a few shillings extra.

Note.—In purchasing any of Messrs. Newton & Co.'s single lanterns, if the patent box is preferred to the simple one usually supplied, an allowance of 5s. will be made from the above price.
B.L. OPTICAL LANTERN,
With Mahogany Body and Brass Front.

This lantern body is similar to the foregoing, but is much stronger and better fitted throughout. It is provided with a door on each side instead of on one side only, and the brass front is made of heavier metal and is of a more solid construction than the cheaper pattern; the brass tube fittings, &c., are made to standard sizes throughout, so that almost any of our optical accessories can be supplied to fit if the lantern is required for scientific demonstrations later on.

B.L. MAHOGANY BRASS-FRONTED LANTERN.

FITTED WITH OIL LIGHT.
8010 B.L. Mahogany Lantern as above, with best-quality brass front, 4-in. condensers, 4½-in. double achromatic objective, 4-wick "Newtonian" oil lamp (No. 8075), complete in case .. .. .. .. .. .. £7 7 0

FITTED WITH GAS LIGHT.
8011 B.L. Mahogany Lantern, as above, fitted with incandescent gas burner .. 7 2 6

FITTED WITH ACETYLENE LIGHT.
8012 B.L. Mahogany Lantern, as above, but fitted with 6-in. double achromatic objective, acetylene generator (No. 8088), 4-burner acetylene jet (No. 8092), tray and top, 2 tins of carbide, and connecting tubing, &c., the entire instrument, except the generator, fitting into a portable case .. .. .. .. .. .. 10 7 6

FITTED WITH LIME LIGHT.
8013 B.L. Mahogany Lantern, as above (Fig. 8013), fitted with blow-through lime-light jet (No. 8099); see Fig. 8099 .. .. .. .. .. .. 8 5 0
8014 B.L. Mahogany Lantern, as above, fitted with mixed-gas lime-light jet (No. 8102) .. .. .. .. .. .. .. .. .. .. .. .. 8 15 6

FITTED WITH NERNST ELECTRIC LIGHT.
8015 B.L. Mahogany Lantern, as above, fitted with single-filament Nernst electric lamp (No. 8146), tray and top, spirit lamp, 1 extra burner, and 1 extra resistance, &c., in portable case .. .. .. .. .. .. 8 12 6
8016 B.L. Mahogany Lantern, as above, fitted with 3-burner Nernst electric lamp (No. 8149), complete with extra triple burner and extra resistance, in portable case .. .. .. .. .. .. 10 5 0
LANTERNS FOR ARC LAMP OR LARGE-BORE LIME-LIGHT JET ILLUMINATION.

All the foregoing lanterns can be used for arc-light illumination if required, but with anything more than a moderate current the bodies become rather hot. There is no real harm in this, and, where the utmost economy is required, these smaller lanterns can be used perfectly well. We much prefer, however, to supply lanterns with larger bodies for these powerful lights.

The following instruments are intended expressly for this class of work, and the bodies are accordingly made large enough and strong enough for the purpose. The variations in price are again a matter of the mechanical mounting only, optically they are all of the same quality, and are similar to lanterns A.1., A.2., A.3., B.1., &c. They are in fact equally efficient used with oil, acetylene, &c., as any of these smaller lanterns, and if the purchaser is likely to have occasion to use a more powerful light later on, we should recommend the purchase of one of these larger instruments in preference to one of the smaller ones.

C.1. CHEAP RUSSIAN IRON LANTERN, With Brass Front, for Powerful Illumination.

No. 8921.

This is the cheapest lantern that we can really recommend for powerful illumination either from an arc lamp or large-bore mixed jet. The body is of Russian iron, with two doors and sight holes, &c. Instead of the usual closed flap at the back it is provided with a velvet curtain which excludes the light while allowing for good ventilation, and leaves the hands free for manipulating the arc lamp. The front is of brass, similar to the front supplied with lantern A.3., page 5, and is provided with 4-in. condensers and 6-in. double achromatic objective, though this lens can be changed for one of different focus if not suited to the hall, a 4½-in. focus lens being 9s. cheaper, and an 8-in. with the necessary lengthening adapter being 10s. extra. Longer focus lenses than this, the lantern is not suitable for.

8017 C.1. Russian Iron Lantern, as above, with brass front, 4-in. condensers and 6-in. double achromatic front lens, complete in case £6 6 0
8018 This instrument can be fitted, if required, with "Newtonian" oil lamp, acetylene, Nernst electric lamp, &c., and if so fitted will cost altogether £2 16s. more than the A.1. metal-bodied lanterns on page 3 similarly fitted.

FITTED WITH LIME LIGHT.

8019 C.1. Russian Iron Lantern, as above, with brass front, 4-in. condensers and 6-in. double achromatic front lens, fitted with extra powerful mixed-gas lime-light jet (No. 8105), complete in case with tray, &c. £8 5 0
8020 C.1. Russian Iron Lantern, as above, fitted with Scissors pattern arc lamp (No. 8154), adjusting tray (No. 8155), &c., complete in case £9 9 0
8021 C.1. Russian Iron Lantern, as above (Fig. 8021), fitted with "Universal" hand-feed arc lamp (Nos. 8156 and 8158), complete in case, see Fig. 8021 £10 10 0

Note.—Where arc lamps are to be used, resistances are required in addition to the above prices. For particulars see pages 33 and 34.
C.2. RUSSIAN IRON LANTERN,
With Brass Front, for Powerful Illumination.
Best Pattern.

This lantern body is similar to the foregoing, except that it is fitted with the superior front similar to that supplied with lantern B.1., page 7. We therefore strongly recommend this lantern in preference to No. 8017, if any optical additions are likely to be required later on. On account of the greater strength of the brass front, it can also be used with front lenses up to 12 in. in focus, or can be fitted with single achromatic front lenses (see page 10) of any length of focus required. This instrument and the one following are therefore very suitable for lanterns required for work in either large or small halls, as is often the case; for example, where a lantern is intended to be used for lantern services in a large church and also in a small lecture hall if expense is a great consideration; if not, one of the long-range lanterns on pages 12 and 13 would be preferable.

This lantern, fitted with mixed jet, arc lamp, &c., costs altogether 21s. more than lantern No. 8017 similarly fitted.

C.3. MAHOGANY LANTERN,
With Brass Front, for Powerful Illumination.

This lantern is very similar to the foregoing, but is fitted with a specially large and stout metal-lined mahogany body instead of the Russian iron one. The result is not only a lantern of better appearance, but the outside also keeps much cooler to the touch. The front is specially designed for varying lenses and optical adaptations for class demonstration, and is hence very suitable for showing pond life or other interesting phenomena on the screen. It is therefore equally suitable for church or mission work, educational purposes, or science lecturing, &c. It is also so arranged that the entire brass front can easily be detached, and a large projection microscope or a vertical front, such as No. 8386, substituted.

8022 The above Optical Lantern can be fitted with oil lamp, acetylene, lime light, &c., and will cost altogether £6 10s. more than the japanned iron lantern A.1. on page 3 so fitted, see Fig. 8022...

£9 9 0

8023 If fitted with large bore lime-light jet, arc lamp, &c., it will cost altogether £3 3s. more than lantern C.2. on page 8 so fitted.

The complete cost of any of these illuminants separately, fitted to any of our lanterns, will be found on pages 22 to 32.
LONG-RANGE LANTERNS FOR USE IN LARGE HALLS.

In large lecture halls or churches it is often most convenient to place the lantern in the gallery, or other convenient place in the rear. To do this may often involve working at a distance from the screen of 100 ft. or more, and lanterns for this work require to be specially constructed if the best results are to be obtained. Lantern objectives as usually supplied are of two patterns, i.e., Single Achromatic or Double Achromatic. The former have certain advantages in scientific demonstration, and hence are usually fitted on our lanterns designed for this purpose; but for showing slides the double achromatic lens is decidedly superior, and is included with all our lanterns. They consist really of two achromatic combinations mounted in a brass tube or rack front, and with a distance of several inches between them. This distance between the component parts of the lens increases as the focus lengthens, but the length of a combination should always be to a certain extent in proportion to its diameter or aperture. It will be readily seen that a converging cone of light, such as that given from the condensers of an optical lantern, cannot be passed through a tube in its entirety if the length of this tube is too long in proportion to its diameter, and therefore double achromatic lantern lenses of long focus must be made of large diameter also.

A larger diameter lens necessitates a larger diameter, as well as a stronger, front to carry it; and, in fact, the whole lantern should be heavier and stronger if it is not to topple over under the weight of a large, heavy lens supported some distance out.

The foregoing lanterns are only suitable for lenses up to a focus of about 10 in., suitable, say, for working up to 60 ft. or so from the screen; and even with 10-in. lenses more light can be passed through with a larger diameter lens, such as is supplied with our large long-range lanterns.

If these small lanterns are therefore used for very long-range work, it can only be done in one way, i.e., by using single achromatic lenses; and as a matter of fact many operators, for reasons of economy or portability, do so use them. Fortunately, although these lenses are inferior in definition to first-class double achromatics, the difference becomes less perceptible as the focus becomes longer, and with lenses of, say, 14-18 in. focal length, very fair results can be obtained with single achromatics. Especially is this the case if the electric arc can be employed for the illuminant, as this gives sharper and better definition than any other form of light. When, therefore, the purchaser already possesses one of the smaller lanterns previously listed, or when funds do not permit of one of our large-diameter long-range lanterns being purchased, very fairly satisfactory results may be obtained in this way. There is nothing so good, however, as large-diameter double achromatic lenses specially constructed for the purpose, and we should strongly advise purchasers wishing to do long-range work to employ one of these if possible. We can, however, at any time light up either pattern in our testing rooms, in order that our customers may if they wish compare the results obtained before deciding.

SMALL LONG-RANGE FITTINGS.

Any good lantern primarily intended for short-range work can, if required, be fitted with double achromatic long-focus lenses for long-range work up to 10-in. equiv. focus, or with single acromatic lenses up to 18-in. focus. As, however, the leverage of even a light single achromatic lens and rack front supported 14 or 15 in. away is considerable, it is advisable to use a lantern with a strong solid brass front such as B.1., C.2., or C.3., though we do occasionally fit the cheaper bodies such as A.1., A.3., C.1., for the purpose.

8024 Double Achromatic Objective 8-in. or 10-in. equiv. focus, in rack mount £1 12 6
8025 Single Achromatic Objective of any focus for long-range work, in brass mount with rack adjustment 1 10
8026 Lengthening Adapter Sliding Tube, for screwing into lantern nozzle, to carry above rack mount, 24-in. diameter, for lanterns A.1., B.1., C.2., &c., ditto 0 7 6
8027 Lengthening Adapter as above, 3-in. diameter, for lanterns 0 10 6
8028 Lengthening Adapter as above, 4-in. diameter sliding tube for lanterns D.1., D.2., D.3 0 17 6
8029 Extra Half-Condenser to interchange with the ordinary condenser, for long-range work 0 10 6
SMALL LONG-RANGE LANTERNS.

These can be used very satisfactorily indeed with double achromatic lenses up to 10-in. equiv. focus, which will give a picture of say 18 ft. in diameter with the lantern about 60 ft. from the screen; but if it is necessary to stand further off, either a single achromatic lens (which does not give such good definition) must be used, or one of the Large Long-Range Lanterns on page 12.

8030 Long-Range Lantern, mahogany body, brass front, as B.1., page 7, with long baseboard, 4-in. condensers, and 8-in. or 10-in. double achromatic lens, in sliding tube rack mount, with best mixed-gas jet (No. 8102), complete in case ........... £10 10 0

8031 Long-Range Lantern, mahogany body, brass front, as C.3., page 9, with 4-in. condensers, and 8-in. or 10-in. double achromatic lens, in sliding tube rack mount, with best mixed-gas jet (No. 8102), complete in case .... 12 0 0

8032 Long-Range Lantern, as above (No. 8031), but fitted with “Universal” electric arc lamp and adjusting tray (Nos. 8156 and 8158), complete in case ........... 14 10 0

8033 Long-Range Lantern, Russian iron body and brass front, as C.2., page 9, but with long baseboard, 4-in. condensers, and 8-in. or 10-in. double achromatic lens, in sliding tube rack mount, with best mixed-gas jet, complete in case ........ 11 0 0

8034 Long-Range Lantern, as above (No. 8033), but fitted with “Universal” electric arc lamp and adjusting tray, complete in case ........ 13 13 0

LANTERNS WITH THREE-DRAW TELESCOPIC FRONTS.

Instead of fitting a long-range lantern with a brass tube lengthening adapter, we fit them when required with a telescopic 3-draw front, which avoids the nuisance of having a loose fitting to take care of when the lantern is required for both long and short range work.

These 3-draw fronts, however, although very convenient, are apt to wear loose in course of time, and hence we do not consider them so satisfactory in the long run as lanterns fitted with loose lengthening adapters. They are, however, extremely convenient, and are therefore preferred by some demonstrators.

These 3-draw fronts can be fitted in place of the ordinary brass front to any of our best brass-fronted lanterns, but of course they are chiefly used in practice where long-range work is required.

8038 Any of our small long-range lanterns (Nos. 8030 to 8034) can be supplied with a 3-draw Telescopic Front in place of the ordinary brass front (see Fig. 8038) at an additional cost of .......... £1 15 0
NEWTON & CO., Opticians to the Royal Family,

BEST QUALITY
LONG-RANGE LANTERNS WITH LARGE-DIAMETER DOUBLE ACHROMATIC LENSES.

FOR LANTERN SERVICES IN CHURCHES. FOR LECTURES IN LARGE HALLS.

No. 8040.

These are the very finest lanterns for long-range work it is possible to provide. They are all fitted with 4½-in. diameter condensers and double achromatic lenses of 3-in. aperture, allowing ample light to pass, combined with the most perfect definition. They should be fitted either with a mixed-gas lime-light jet or the electric arc.

We make these lanterns in two qualities, so far as the mechanical part of the instrument is concerned, the more expensive being provided with a mahogany body and tilting baseboard, &c. (see Fig. 8040), and the cheaper one a plain baseboard and Russian iron body.

Optically the two patterns are exactly the same, and so is the workmanship of the brass fronts, as very great strength and rigidity are in either case required to carry the necessarily heavy objectives.

8039 D.1. Long-Range Lantern with mahogany body, 4½-in. diameter condensers, brass front, 3-in. diameter double achromatic objective in rack front, tilting baseboard, &c., with mixed-gas jet (No. 8102), complete in case £18 18 0

8040 D.1. Long-Range Lantern, as above, fitted with “New Universal” hand-feed arc lamp (No. 8162), complete in case. Fig. 8040 22 10 0

8041 D.1. Long-Range Lantern with Russian iron body, 4½-in. diameter condensers, brass front, 3-in. diameter double achromatic objective in rack mount, &c., complete in case, with mixed jet (No. 8102) 16 10 0

8042 D.2. Long-Range Russian Iron Lantern, as above, fitted with “New Universal” hand-feed arc lamp (No. 8162), complete in case 21 0 0

8043 Either of these Lanterns fitted with our special large bore mixed-gas lime-light jet (No 8105) .. .. .. .. .. .. extra 0 5 0

8044 Any of our arc lamps fitted with inductance ring for alternating current (see No. 8165) .. .. .. .. .. .. extra 1 1 0
BEST QUALITY
LONG-RANGE LANTERNS,
WITH LARGE-DIAMETER DOUBLE ACHROMATIC LENSES.

THE "INDIAN" LANTERN.

This Lantern has been designed by Messrs. Newton & Co. for use in the Tropics, and in hot, damp climates, where wood and iron warp and rust. It is made entirely of brass and is fitted with the finest long-range lenses, suitable for either electric or lime light.

Optically it is precisely similar to the lanterns on page 12.

8045 D.3. The Indian Special Pattern Lantern is made entirely of brass, with 4½-in. double condenser, double achromatic front lenses of large diameter, and fitted with "New Universal" patent hand-feed arc lamp, with adjustments, complete in cabinet case. Fig. 8045 .. .. .. £26 0 0

LIME-LIGHT APPARATUS FOR THEATRICALS.

8046 Lime-light Box, fitted with 6-in. condenser, mounted in adjusting swing frame for throwing white or coloured lights on tableaux, &c. With specially-made lime-light jet and tray, one coloured glass in frame and dark shutter .. .. .. .. .. .. .. .. .. .. .. .. .. .. .. .. · £4 0 0

8047 Electric Searchlight or Stage Box, with Russian iron body, in swivel bracket, 6-in. lens, arc lamp (No. 8161), &c., one coloured glass in frame with dark shutter .. .. .. .. .. .. .. .. .. .. .. .. .. .. .. .. 9 0 0

8048 Extra Coloured Glasses for either of the above, in frames .. each 0 5 0
SPEARING’S CHILDREN’S OPAQUE LANTERN.

This lantern has been designed by Mr. Spearing, solely with the object of showing opaque objects and pictures on the screen.

The whole of a drawing or painting, 5 in. square, can be shown 5 ft. in diameter on the screen, with sufficient illumination for a small audience.

Flowers, shells, the face and works of a watch, the human hand, coins and curios of various sorts can also be well exhibited in their natural colours.

It is fitted with two incandescent gas burners, which only require ordinary house gas brought to them by an indiarubber pipe from the nearest gas bracket; it is, therefore, absolutely safe, and requires nothing but turning on the tap and lighting, and is at once ready for use.

At the back of the lantern can be attached a double roller carrying a roll of paper, on which children can make drawings and paintings, which can then be projected as a moving panorama on the screen. Christmas cards, butterflies, and similar objects show excellently. The definition is not good, but quite sufficient for the purpose.

The instrument is extremely simple and easy to use.

8049 Price complete ... ... ... ... ... ... ... ... £3 15 0
Double roller, with roll of paper to move along as a panorama, for children to draw or paint upon, fitted to the above opaque lantern, extra 0 12 6

THE NEW POSTCARD LANTERN.

This is a very simple form of lantern for showing picture postcards on a screen as if they were lantern slides.

Everyone has numbers of picture postcards, and with this lantern they can be shown sharply and well defined on the wall or a sheet of white cardboard, over 2 ft. in diameter, with sufficient brilliancy to be seen by a dozen or more persons.

It is fitted with 2 incandescent burners, and only needs connecting by a piece of flexible tube to the nearest gas burner.

8050 New Postcard Lantern complete, with lens and 2 incandescent gas burners ... ... ... ... ... ... ... ... £2 2 0

This can be supplied fitted with electric incandescent lamps, for use in houses where electric current is laid on, for an extra charge of 5s.

8051 Aphengescope, or Opaque Attachment, for attaching to any ordinary lantern, in japanned tin, with focussing lens ... ... ... ... £0 15 0
BOOKS.

8052 Modern Magic Lanterns and their management  £0 1 0
8053 Book of the Lantern (Hepworth)  £0 3 0
8054 Light, a Course of Experimental Optics, chiefly with the lantern, by Lewis Wright. Second edition  £0 7 6
8055 Optical Projection, a treatise on the use of the lantern in exhibition and scientific demonstration, a complete guide to the use of the magic lantern, the lantern microscope, polariscope, and to the projection of scientific experiments, by Lewis Wright. Fourth edition, revised by Russell S. Wright. (Pub. 6s.); nett 4s. 6d.; post free  £0 4 10

The above is the very best book on Lanterns.

8056 The Optical Lantern, by Andrew Pringle  £0 2 6
8057 Practical Photo-Micrography, by Andrew Pringle  £0 5 0
8058 Photo-Micrography, by Slater & Spitta  £0 12 6

DISSOLVING VIEWS AND DISSOLVING EFFECTS.

All the foregoing lanterns are single instruments; that is to say, they are only capable of showing one slide at a time on the screen, and some arrangement must be made for removing the first slide before the second can be inserted. This is quickly and conveniently done by means of a double sliding carrier (see No. 8266), which slides one picture off as the other slides on; or by means of the dissolving carrier (No. 8270), which slides the one picture on over the other, and then withdraws the first. Both these arrangements have the same object, i.e., to quickly and easily change the slides and obviate the "glare" of the lantern on the white screen between the time of taking off the one view and bringing on the next. The ideal method of changing slides, however, is undoubtedly by means of "Dissolving Views," by means of which one picture is seen to gradually fade into the next. For this effect two lanterns are necessary, worked either side by side or one above the other. For ordinary dissolving views the light in each lantern is turned up and down alternately, each successive slide being got ready in the dark lantern while the preceding one is being shown in the other.

The method adopted for illuminating each lantern in turn depends upon the nature of the illuminant used. With oil lamps the only practicable method is to keep both lanterns alight all the time and cover each nozzle in turn by means of a dissolving fan, as shown in Fig. 8059. When gas of any sort is the illuminant, as is the case with the various forms of lime light, or acetylene, a dissolving "Tap" can be used, by which each lantern can be turned up or down alternately, a small bye-pass keeping the light in the dark lantern from going out altogether (see Nos. 8141 to 8145). With the electric arc, no really satisfactory plan for dissolving has yet been devised; a modification of the dissolving fan arrangement is the best at present known, but the crispness of the image from the arc, although advantageous in many ways, is detrimental for dissolving effect work. If the entire advantage of using two lanterns was confined to the ability to dissolve one picture into the next instead of employing a sliding carrier, very few exhibitors would care to go to the expense of purchasing two lanterns; but, as a matter of fact, very fine effects can be produced in this way which could not be obtained with a single lantern. For example, a picturesque ruin, seen first by day, can be dissolved into the same view by moonlight, and the beauty of the effect, as the scene gradually changes, must be seen to be appreciated; or the picture of a house can be changed to that of the same house on fire, while a rackwork slide gives the effect of flame and smoke pouring out of the windows. Many of these effects of course require both lanterns to be kept alight together, and this is arranged for in the construction of the dissolving tap. Where oil light is to be used, the two lanterns must be placed side by side, to allow room for the chimneys, but with acetylene or lime light they can be placed one above the other, as a bi-unial lantern, and are more convenient arranged in this way.
NEWTON'S
PATENT DISSOLVING VIEW LANTERNS,
Fitted with Oil Light and Lime Light.

No. 8059

Newton’s Patent Improved Mahogany Brass-fronted Dissolving View Apparatus, lined with tin to prevent heating, fitted with their patent “Newtonian” 4-wick lamps, for burning best crystal oil, with best quality 4-in. plano-convex condensing lenses, and double combination, achromatic front lenses, of large diameter and best construction, with rack adjustment, dissolving apparatus, &c., complete in stained wood polished case, very portable; suitable for schools and lectures, as supplied to the Honourable Council of Education (Fig. 8059) ... ... £12 0 0

At Fig. 8060 is shown a pair of Newton’s patent lanterns, fitted with their improved blow-through jet. A jet of oxygen is blown through a flame of hydrogen on to a cylinder of lime. The hydrogen is obtained by means of an india-rubber tube from any gas burner in the room, and the oxygen is supplied from the gas-bag or condensed gas cylinder. The dissolving is effected by Newton’s improved double dissolving tap, attached to the back of the box.

No. 8060

Dissolving View Apparatus with Oxygen Lime Light, complete set, comprising a pair of Newton’s patent mahogany lanterns, 4-in. condensing lenses, &c., fitted with their improved blow-through gas jets with rack lime movement for rotating the lime, double dissolving tap, and 4 ft. and 12-ft. india-rubber tube, and 1 doz. lime cylinders, as supplied to the Honourable Council of Education (Fig. 8060)... £14 14 0

Acetylene light or Nernst electric lamps can also be used with the above lanterns at the proportionate differences in price.
Dissolving Lanterns of this upright form have the advantage over lanterns placed side by side, in that the manipulator is enabled to work both lanterns from the same side; and panoramic and other effects can be more easily managed.

The whole of the front is made of bright brass, securely bolted on to the body of the polished mahogany or Russian iron lantern. All these lanterns are now fitted with our improved double achromatic lenses, specially made for use with the lime light, giving a flat field and most brilliant definition.

8061 E.1. Bi-unial Lantern with Russian iron body, and fitted with 2 pairs of best quality 4-in. condensers, best quality double achromatic lenses, mounted in brass rack-and-pinion focussing fronts, two 4-burner acetylene jets (No. 8092) and gas tap for dissolving (No. 8143), in cabinet case, forming table for the lantern £12 10 0

8062 E.1. Bi-unial Lantern, as above, with dissolving tap (No. 8141) and 2 blow-through jets (No. 8099), in case complete 12 12 0

8063 E.1. Bi-unial Lantern, as above, but with dissolving tap (No. 8144) and 2 mixed jets (No. 8102), in case complete 14 0 0

E.2. BI-UNIAL LANTERNS,
With Mahogany Bodies and Brassfronts.

These lanterns are the same optically as the foregoing, but the polished mahogany bodies have a better appearance, and keep cooler to the touch than the Russian iron ones.

8064 E.2. Bi-unial Lantern with mahogany body, and fitted with 2 pairs of best quality 4-in. condensers, double achromatic lenses, mounted in brass rack-and-pinion focussing fronts, two 4-burner acetylene jets, and dissolving tap (Fig. 8064), in case complete £18 13 6

8065 E.2. Bi-unial Lantern, as above, but fitted with 2 blow-through jets (No. 8099) and dissolving tap (No. 8141), in case complete 18 18 0

8066 E.2. Bi-unial Lantern, as above, but with 2 mixed jets (No. 8102) and dissolving tap (No. 8144) 20 7 6

Note.—This lantern is specially adapted for societies, being optically as good as can be made, with strong, sound workmanship and good finish, without unnecessary expense. As supplied to the Honourable Council of Education.
BRASS CURTAIN SHUTTER.

This is an arrangement which can be fitted to any of the above lanterns for giving the effect of a curtain rolling up at the commencement of an exhibition.

8068 Brass Curtain Shutter, fitted to any of the above bi-unials, extra £1 1 0

E.3. THE "SPECIAL" BI-UNIAL.

This instrument is similar to the foregoing mahogany bi-unials, and optically the same, but is made with the very highest finish throughout, and is fitted with tube rack fronts, into which the lenses mounted in brass cylinders slide, so that the lenses can be easily changed if required; brass bar handles for lifting, brass tubes at the back for gas connections, and curtain shutter, &c.; packed in cabinet case, and forming a very handsome instrument.

8039 E.3. The "Special" Bi-unial, as above, fitted with 2 blow-through jets (No. 8099) and dissolving tap (No. 8141) £23 2 6

8067 E.3. The "Special" Bi-unial, as above, fitted with 2 mixed jets (No. 8102) and dissolving tap (No. 8141) 24 5 0

E.4. THE "DIVIDED" BI-UNIAL.

This is a lantern similar to Nos. 8064 to 8066, but so constructed that the top lantern can be detached, and both lanterns can be used separately as two single instruments, or side by side if required for dissolving with oil lamps.

8068 E.4. The "Divided" Bi-unial can be supplied fitted with acetylene light, &c., instead of Nos. 8064 to 8066, at an extra cost of £2 2 0

LONG-RANGE BI-UNIAL LANTERNS.

Any of the foregoing lanterns can be fitted with double achromatic lenses up to 10-in. focus at a slight extra cost, or with single achromatic lenses (see page 10) up to any required focus; but for the very best long-range work special lanterns are required, similar to the single long-range lanterns on page 12. These lanterns are fitted with 4½-in. condensers and large-size double achromatic objectives in sliding tube rack mounts, and represent the very finest instruments for long-range dissolving views that can be obtained.

8069 E.5. Long-Range Bi-unial Lantern with mahogany body, 4½-in. condensers and brass fronts, fitted with double achromatic large-diameter lenses, 2 mixed jets (No. 8012) and dissolving tap (No. 8144) packed in cabinet case £39 5 0

8070 E.6. The "Special" Long-Range Bi-unial. This is optically similar to the foregoing, but is fitted in a similar style to the "Special" bi-unial E.3. (No. 8067), with brass bar handles, brass tubes to back, curtain shutter, &c., complete with 2 mixed jets (No. 8102) and dissolving tap (No. 8144) packed in cabinet case 43 5 0

The "Scientist's" Bi-unial Lantern. This is a lantern primarily fitted for dissolving-view work, but also arranged for demonstrating scientific experiments on the screen, admirably adapted for a scientific institution who require an instrument for both purposes. For fuller details, see page 54.
Tri-unial or triple lanterns are not very often required. There are, however, certain dissolving effects which cannot well be shown without the aid of a third lantern, and the exhibitor who really makes a speciality of dissolving work will often find a third lantern advisable and even absolutely necessary.

In these triple lanterns we always make the upper one detachable, so that it can be used independently as a single lantern, so that the purchaser of the apparatus finds himself possessed of a *triple*, or a *double*, or a *single* lantern at will; the last two being usable either in conjunction or independently.

8071 F.1. Tri-unial Lantern with polished mahogany body, brass fronts, 4-in condensers and double achromatic lenses in tube rack mounts, brass bar handles, brass tubes to back, brass curtain shutter, &c., similar in finish to the “Special” bi-unial described on page 18, complete with 3 mixed-gas jets (No. 8102), and three 4-way dissolving taps (No. 8145) in cabinet case... £50 0 0

8072 F.2. Long-range Tri-unial Lantern. This is similar to the long-range bi-unial lantern (No. 8070), but with the addition of the third lantern, complete with 4¼-in condensers, large-diameter double achromatic lenses, curtain shutter, brass bar handles, &c., and 3 mixed gas jets (No. 8102), with 4-way dissolving taps (No. 8145), complete in cabinet case... 80 0 0
ILLUMINANTS FOR OPTICAL LANTERN WORK.

There are many ways of illuminating optical lanterns, and the method best to be adopted depends largely upon circumstances and the size of the hall in which the lantern is to be used.

The various methods available are: paraffin oil, incandescent gas, acetylene, lime light in its various forms, and electric light. Of these, the first two are the simplest and cheapest, but neither are of much use except in small halls, and for pictures not exceeding 10 ft. in diameter. A "Newtonian" 4-wick paraffin oil lamp is slightly more powerful than incandescent gas; and the fragility of the mantle is likewise a drawback. On the other hand, the light from an oil lamp is slightly more yellow than from incandescent gas. Both these forms of illumination have been largely superseded of late years by acetylene, which is very considerably brighter, and gives a good white light, besides slightly better definition. In this connection it may be mentioned that the smaller the radiant the better is the definition on the screen. Hence the sharpest definition of all is obtained with the small but intense electric arc, and the next best is lime light, after which comes acetylene, and oil and incandescent gas are last of all. It is, however, wonderful how good the results are even with this latter when first-rate lenses are used, such as we employ on all our lanterns from page 2 onwards.

A certain amount of prejudice exists against acetylene on account of its supposed danger and the objectionable smell, and one or two accidents have lent colour to the fear. Any such accidents, however, have been due to acetylene generators of faulty design having been used, and it is a regrettable fact that there are many such still on the market. Our firm has, we hope deservedly, a high reputation for never sending out any apparatus that can cause danger; and, as a matter of fact, we refused to supply acetylene generators for a year or two after other firms had put them on the market. In the meantime we were testing every known make of generator, and also carrying out many experiments of our own to see if it was possible to design an instrument that could not, by any possibility, cause an accident. At last our experiments reached a satisfactory conclusion, and we are glad to say that many hundreds of our generators are in constant use, and even the most inexperienced exhibitor need not hesitate to install a set of our acetylene apparatus.

With our pattern generator only a very small quantity of gas is made at one time, and by a simple but effective arrangement no more can be made until the gas already made is used up. This is the only way to obtain real safety, and we do not know of any other form of generator which secures it except the one we have designed with much care and expense. With reasonable care, this generator is also entirely free from smell, and except for seeing the generator underneath the lantern, the audience need not even know that acetylene is being used. For further particulars of this apparatus, see page 24.

Lime light in its various forms is a still more powerful illuminant. The weakest form of it is the "Drummond" or "Oxy-spirit" jet, not now much used, in which a stream of oxygen is blown through the flame of a spirit lamp on to a lime cylinder; next in order comes the "Blow-through" jet, in which a stream of oxygen is in the same way blown through a coal-gas flame on to the lime; and the most powerful form is the "Double Pressure" or "Mixed" gas jet, in which oxygen and coal gas are mixed in one chamber under considerable pressure, and then impinge together upon the lime, producing an intense incandescence. A modification of this latter arrangement is the "Oxy-ether" light, in which vapourised ether takes the place of the coal gas. Roughly speaking, acetylene light is sufficient for a picture up to 12 ft. in diameter, the blow-through jet up to about 15 ft., and a mixed jet can be made that will illuminate a screen up to 30 or 40 ft. diameter.

The great disadvantage of lime light in any form is that one gas (oxygen) must be supplied under considerable pressure; this may be done from a gas bag (see page 28), but except in very out-of-the-way places is usually obtained by means of a compressed gas cylinder (page 27), which can now be obtained in almost any town of importance. The arrangement is perfectly safe, but nevertheless the expense and awkwardness of having to carry such a compressed gas cylinder about, and sending it to some town to be filled when empty, has proved a serious bar, and acetylene is therefore very often used as a substitute for exhibitions in halls of moderate size. With the mixed gas or double-pressure jet, two such cylinders must be employed, one of oxygen and the other of coal gas. This arrangement is also perfectly safe, but the above drawbacks are of course exactly doubled, and hence this light is chiefly used in large halls where it becomes a necessity.
The oxy-ether light and the "Injector" jet are both forms of mixed-gas jets, which obviate the necessity for the two cylinders. The light of either, however, is inferior to the mixed-gas jet, and neither are they quite so convenient in use. The ether light is perfectly safe in use, but it should not be entrusted to entire tyros to fill the saturator, as liquid ether is highly inflammable, and must be treated with care. Once it is in the saturator it is perfectly safe; and as this may be done if necessary several days before the exhibition, no hesitation in using it on the score of danger to the audience need be entertained. The "Injector" jet consumes slightly more oxygen and needs a special regulator (No. 8118) to control it, besides which it is a little apt to be noisy unless extreme care is taken with it. Both these special forms of lime light are, however, very suitable for the travelling lecturer who requires a brighter light than that afforded by a blow-through jet.

The electric light is coming more and more into vogue every year, and as the electric current becomes more universally available will doubtless be still more largely used.

The most usual form is the arc lamp, which for brilliancy and definition combined is superior to even the best lime-light jet. The electric arc is both safe and easily managed, and it is also—once the necessary wiring and appliances are installed—very inexpensive, being indeed a mere fraction of the cost of lime light. The arc light consists essentially of two carbon rods, separated by a short gap, across which the current is conducted by a stream of carbon vapour. Both the adjacent ends or poles of the carbons, as well as the carbon vapour between them, become highly incandescent, but in practice it is only the lower extremity of the upper or positive pole that is used as the illuminant in lantern work.

Arc lamps may be broadly divided into two classes, i.e., automatic feed and hand feed. For small lanterns for ordinary slide projection, however, the automatic feed lamp has now been practically given up in preference to the hand feed type, and so this type only will be dealt with here. The best of the automatic lamps is probably the "Oliver" (see page 89), but it is bulky and only suitable for our large science lanterns. Of hand feed arc lamps the cheapest pattern is the "Scissors" (see No. 8154), but it has the disadvantage that as the carbons fed they are continually altering the angle at which they are inclined together, and a far better, though more expensive, plan is to regulate the distance by means of a parallel rackwork (Fig. 8162). This lamp has universal cranking movements in all directions, and is perhaps the most perfect type of its kind in existence.

As these arc lamps only require 40-45 volts at the lamp terminals, and as current from the supply mains is usually anything from 100-250 volts, some form of resistance must be used. This may be either adjusting (see Fig. 8166) or fixed (Fig. 8186), the latter being the cheapest, but the former being usually advantageous as giving the operator some control over the amount of light.

When the current from the mains is alternating, an arc lamp cannot be used to such advantage. The light is not quite so good, and is apt to be a little unsteady; also there is a perceptible humming sound in the arc which is decidedly objectionable. Fortunately this last defect can be almost completely got rid of by placing the whole lantern on a block of felt; and by a suitable combination of transformer and resistance (see page 834) the unsteadiness of the light can be almost completely cured and the light increased. Even then it is not so brilliant as with the continuous current, but amply so for all practical purposes, and is considerably better than with a lime-light jet.

The only other form of electric lamp worthy of mention is the "Nernst" (see page 80). This is not so brilliant as the arc, but the light (which may reach 1000 candles nominal) is quite sufficient for a moderate-sized hall, and the absolute steadiness, as well as the simplicity of this form of light, has brought it into favour, while the initial cost is far less than with an arc lamp, but the upkeep costs more owing to breakages.

The "Nernst" lamp consists of straight mineral filaments, which become incandescent when the current is passed through them. One peculiarity of these filaments is that they are non-conductors when cold, and hence require to be heated by outside means before the current will pass. This is easily done by applying a spirit lamp for a few minutes before the exhibition begins, and a suitable spirit lamp is supplied with each burner.

The 1000 candle power lamps have three such filaments, and require 200 volts (either continuous or alternating); with 100 volts a single-filament lamp can be worked giving about 250 candle power.

The 1000 candle power lamp takes about 3 amperes, and the wires in any ordinary lamp socket are thick enough to carry this current; whereas an arc lamp, which takes usually 10 amperes and upwards, often requires a special wire laid on.
NEWTON'S PATENT

“NEWTONIAN” LAMPS
FOR BURNING CRYSTAL OR ANY MINERAL OIL.

THE MOST POWERFUL AND SIMPLE LAMP YET CONSTRUCTED.

This Lamp has for many years occupied the premier position among oil lamps for lanterns, and still exceeds in brilliancy and penetrating power any lamp in the market.

It is easier to manipulate than any other. There are no unnecessary adjustments.

The reflector of each lamp is permanently adjusted to its most effective distance before being sent out.

The chimney is permanently adjusted to the exact height found by experiment to give the best results.

Every lamp is carefully tested and put in adjustment before being sold.

The difficulty (so frequently experienced with lamps of a high illuminating power) of making the flames draw up readily, owing to the sharp draught, is entirely obviated by the peculiar construction of the chimney. If the lamp is lit and burnt for two minutes, using only the lower part of the chimney, as in Fig. 8075, the upper portion may be then fitted into its place on the top, and the flames will at once be entirely under control.

For many years Newton’s Patent “Refulgent” Lamps held the first place for illuminating power; the light given by the “Newtonian” Lamp is, however, considerably more intense and powerful. It has been adopted as the official pattern by the War Department, the School Board, &c.

Patent “NEWTONIAN” 3-WICK LAMP.
FOR BURNING CRYSTAL OR ANY MINERAL OIL.

8078 Newton’s Patent “Newtonian” 3-Wick Lamp, for burning crystal oil ... ... ... ... ... ... ... ... ... ... ... 0 16 6
8079 Glasses, curved, for front of Newton’s patent lamps ... each 0 0 4
8080 Cotton Wicks, for the patent lamp ... ... ... ... per doz. 9 1 6
8081 Lamp Scissors for trimming oil lamps ... ... ... ... ... 0 2 0
8082 Silvered Reflectors for either of the above lamps ... each 0 2 6
INCANDESCENT GAS BURNERS.

Where house gas is available, and only a small picture is required, the incandescent gas burner may be used with advantage. The light is not quite so good as with the 4-wick oil lamp, but is clear and white, and the cleanliness and convenience of the arrangement render it a very suitable light for class-room teaching or exhibitions in small halls.

8084 Incandescent Gas Burner, fitted with reflector, mantle and chimney, &c., complete ..... £0 10 6
8085 Tray and Top for above, if required ..... 0 4 6

INCANDESCENT SPIRIT LAMP FOR LANTERNS.

Up to the present, all spirit or petroleum lamps for lanterns used with an incandescent mantle have been dangerous, owing to the fact that if the vapourizing chamber becomes too cool to volatilize all the liquid that enters it, the pressure behind drives the spirit itself instead of the vapour through the tubes, and on many occasions the lantern has become full of burning spirit. All such lamps seem to us unfit for ordinary lantern work, though they give a good light.

In the present lamp this danger has been entirely got rid of by not having any pressure behind the spirit, so that if the chamber gets cool the light simply goes out, but this safety and simplicity has been obtained by a great diminution of the light, and these lamps give less light than our 4-wick oil lamps. The light, however, is so white and the lamp so clean and simple in use that we think many who object to the mess and trouble of the oil light may be ready to put up with less light and a smaller picture to secure these advantages.

8086 Incandescent Methylated Spirit Lamp, as above ...... £0 15 0
8087 Extra Mantles for ditto each 0 0 8

THE NEW PATTERN

"NEWTONIAN" ACETYLENE GENERATOR.

Acetylene, if a suitable system be used, gives a more brilliant and a more sharply defined picture than any oil light, but not equal to lime light.

With the apparatus here described there is absolute freedom from danger and far less trouble than with oil lamps or lime light.

It will fit any of our oil-lit lanterns without alteration or addition, and no extras are needed, No. 8090 containing all that is required.

There are many forms of generator sold, some of them having no recommendation except cheapness; but large numbers of our special pattern are now in constant use and are giving great satisfaction in all parts of the world.

We have supplied so many that we have been able to greatly reduce the price, while our experience has enabled us to improve and simplify the generator in many ways, and so to improve the materials and construction that it will now stand many years' hard work, and if injured can be repaired by any local tinsmith.

Nothing can be simpler than the manipulation.

Being absolutely automatic it needs no attention whatever during the exhibition, but after being once started will give a perfectly steady light till the carbide is exhausted.

It gives a full steady supply of gas which will keep one of our high-power 4-burner jets going for two hours without sensible variation of the light.

Full directions for use are sent with each, and they can at any time be seen working at 3, Fleet Street, E.C.

For prices see next page.
THE "NEWTONIAN" ACETYLENE GENERATOR.

In this generator, Fig. 8088, we have retained all the advantages of our former one and have combined with them others which our prolonged experience has enabled us to devise. For details see previous page.

8088 "Newtonian" Acetylene Generator, without burner, but including separate "Filter" and flexible metal tubing ... £2 2 0

8090 Acetylene Apparatus complete, for use in one of our oil-lit lanterns with special four burner, generator, filter, top, and tray, and flexible metal tubing ... 3 7 6

8091 Acetylene Apparatus complete, for use in a pair of dissolving lanterns, with two four burners, special dissolving tap, tubing ... 5 17 6

Prices of complete lanterns fitted with acetylene light will be found on page 4 and several subsequent pages.

8092 High-Power Acetylene Jet with 3 burners, 15s.; with 4 burners (Fig. 8092) ... £1 1 0

8093 Dissolving Tap, for use with Bi-unials or pair of lanterns (Fig. 8143) ... 1 1 0

8094 Flexible Metal Tubing, with rubber connections ... 0 3 6

8095 Extra Burners for jet, per doz. 0 3 0

8096 Cleaner ... 0 0 4

8097 Carbide of Calcium, ½-in. pure, per 1-lb. tin ... 0 0 6

8098 Pliers for putting in acetylene nipples ... 0 2 0

Note.—Always use pure ½-in. Carbide which costs 6d. lb. in a tin, and avoid carbide that has been "chemically treated."
LIME-LIGHT JETS.

NEWTON’S IMPROVED BLOW-THROUGH JET.

No. 8099

8099 Blow-through Jet, with movement to rotate the lime without opening the door of lantern (Fig. 8099) .......................... £1 1 0

8100 Blow-through Jet, as above, but with fine screw adjustment taps to both gases in addition to the ordinary taps .......................... 1 17 6

The convenience of this arrangement consists partly in the greater delicacy of the adjustment provided, and also in the fact that the double taps afford a ready means of turning the light down for a short interval without altering the adjustments.

MIXED-GAS JETS.

These jets require to have both gases under approximately equal pressure, and therefore two cylinders or gas bags are necessary. The light, however, is far superior to the blow-through form.

8102 Oxyhydrogen Mixed-Gas Jet, with large mixing chamber, improved turning movement and check action to ensure that the lime shall always be turned the correct distance. Designed by the late Mr. Lewis Wright .......................... £1 12 6

8103 Mixed-Gas Jet, as above, but fitted with screw-down taps similar to No. 8100 .......................... 2 7 6

8104 Mixed-Gas Jet, as above, fitted with Pringle cut-off (Fig. 8104) .......................... 2 7 6

8105 Mixed-Gas Jet, as No. 8102, but with specially large bore, for use where a very powerful light is required .......................... 1 17 6
THE INJECTOR JET.

This is a mixed-gas jet which does not necessitate both gases being under equal pressure. It can, therefore, be used with coal gas from the house mains, the oxygen being supplied as usual from a cylinder. As its name implies, it is constructed on the injector principle, and so arranged that the stream of oxygen sucks the coal gas from the mains, and thereby artificially increases the pressure. The jet gives a better light, however, if the oxygen cylinder is supplied with a special regulator in order to obtain the oxygen under increased pressure, and extra stout rubber tubing should be used.

The light given by this jet is better than that of a blow-through, but not quite so good as a mixed jet.

8106 Injector Jet, as above, high pressure, 30s.; extra high pressure £1 17 6

“NEWTONIAN” ETHER SATURATOR.

Where house gas is not available and it is desired to avoid the expense and trouble of two cylinders, ether saturators may be used with advantage.

This saturator, which is made only by Messrs. Newton & Co., was designed at Christ’s College, Christchurch, New Zealand, for use in the laboratory there.

It has considerable advantages over those in general use here, as there is a supply of spare ether which keeps the flannel packing always equally saturated, and so prevents the diminution of light experienced with most patterns after they have been working for some time. Even with a large bore jet the saturation with the “Newtonian” saturator is perfect for over three hours.

If hung through a hole in the table or lantern box, as is intended, it is impossible to upset it, and the construction is so simple that the packing can readily be removed for drying, while there is nothing to get out of order, and the possibility of leakage is reduced to a minimum.

It can be used with any good mixed jet.

Being made throughout in our own workshops, it is, of course, of sound and excellent workmanship.

8107 “Newtonian” Ether Saturator £2 15 0

Mr. J. H. Taylor, late Editor of the Optical Magic Lantern Journal, says in the Journal:

“We lately submitted this Saturator to some exhaustive and severe trials with jets of very large bore, and were very pleased with the results obtained.”

“Instantly we obtained an excellent light, which only went down after three hours by reason of the contents of the 20-feet oxygen cylinder being used.”

“We were greatly pleased with the behaviour of this Saturator, which will be found to work with absolute safety.”

“With it, one who had never before used a Saturator could not fail in getting a good light, with practically no trouble.”

OXY-SPIRIT JET.

This is practically a blow-through jet using a flame of methylated instead of coal gas. It is the weakest form of lime light, being very little, if any, better than acetylene.

8108 Newton’s Improved or Spirit Lamp Jet, with platinum nipple, to be used when house gas is not available (Fig. 8108) £1 1 0

Newton & Co.’s IMPROVED LAMP IS SO CONSTRUCTED AS TO ENABLE THE LANTERN TO BE PLACED AT AN ANGLE, AND THUS OBViate THE NECESSITY OF RAISING IT TO THE CENTRE OF THE DISC.
**COMPRESSED GAS APPARATUS.**

Newton & Co. have made arrangements with The British Oxygen Company to supply Steel Cylinders and Fittings made by the Company for compressed oxygen and hydrogen, so as to save customers the trouble of purchasing from two different firms. The prices are those charged by the Company.

As Messrs. Newton & Co. do not manufacture or fill these cylinders they cannot of course accept any responsibility in the matter, but full reliance may be placed in the care and experience of the makers, and every cylinder will bear their mark as being of the highest quality, and having successfully passed all the most recent tests.

**Steel Gas Cylinders, as above (Fig. 8109).**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Size (in.)</th>
<th>Price (£)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ft.</td>
<td>13 in. by 4 in.</td>
<td>1 6 6</td>
</tr>
<tr>
<td>12 ft.</td>
<td>22 in. by 4 in.</td>
<td>1 9 6</td>
</tr>
<tr>
<td>20 ft.</td>
<td>33 in. by 4 in.</td>
<td>1 13 0</td>
</tr>
<tr>
<td>40 ft.</td>
<td>34 in. by 5½ in.</td>
<td>2 9 6</td>
</tr>
<tr>
<td>80 ft.</td>
<td>41 in. by 7 in.</td>
<td>3 19 0</td>
</tr>
</tbody>
</table>

It is advisable to purchase the following fittings with the above cylinders:
- Nipple and Union, 2s. 3d., Steel Key, 1s. 9d.

It is necessary that each cylinder should be in a wood or hemp case for conveyance.

<table>
<thead>
<tr>
<th>Case Type</th>
<th>6 ft.</th>
<th>12 ft.</th>
<th>20 ft.</th>
<th>40 ft.</th>
<th>80 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden Case</td>
<td>3s.; 80ft.</td>
<td>£0 5 0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hemp Covers</td>
<td>6 ft., 8s. 6d.; 12 ft., 1s. 6d.; 20 ft., 3s.; 40 ft., 4s. 2d.; 80 ft., 8s. 4d.</td>
<td>0 13 0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Oxygen Gas. If the above cylinders are supplied ready filled with oxygen gas the extra cost will be: 6 ft., 1s. 6d.; 12 ft., 3s.; 20 ft., 4s. 2d.; 40 ft., 8s. 4d.; 80 ft., 13s. 4d.

Hydrogen Gas (coal gas is supplied for this, being more suitable than pure hydrogen). If the above cylinders are supplied ready filled with coal gas the extra cost will be: 6 ft., 1s. 3d.; 12 ft., 2s. 6d.; 20 ft., 3s. 4d.; 40 ft., 6s. 8d.; 80 ft., 10s.

Regulator, Beard's, for use with cylinders (Fig. 8118) 1 1 0

If the injector jet (No.8106) is to be used, the special High Pressure Regulator should be asked for at the same price.

Fine Adjustment Valve, Beard's, for use instead of regulator 0 10 6

Pressure Gauge with Safety Check, for hydrogen, 30s., for oxygen 1 12 6

T Piece for combining regulator and pressure gauge 0 6 0
NEWTON & CO., Opticians to the Royal Family,

OXYHYDROGEN GAS APPARATUS.

Where compressed gas is not available it is necessary to manufacture the oxygen by heating together a mixture of chlorate of potash and black oxide of manganese (oxygen mixture) and filling a large gas bag from the retort. Hydrogen may in the same way be generated by dissolving zinc in dilute sulphuric acid, or a gas bag may be filled from the supply mains if this is available, or, in the case of a blow-through jet, house gas may of course be used direct from the mains without storing in a gas bag. Owing to the ease with which compressed gas cylinders can now be obtained, these gas bags are not often used in civilised countries, but in out-of-the-way districts they will be found very useful and convenient. Very clear and explicit directions for manipulation will be found in "Optical Projection," by the late Mr. Lewis Wright.

APPARATUS FOR MAKING OXYGEN AND HYDROGEN.

8122 Newton's Improved India-rubber Gas Bag, best quality, wedge-shape, size 38 by 26, and 20-in. wedge, with stopcock (Fig. 8122) .......... £4 14 6

8123 Newton's Improved India-rubber Gas Bag, best quality, wedge-shape, extra large, for use with the oxyhydrogen light when both gases are under pressure; size 44 by 35, and 21/2-in. wedge, with stopcock (Fig. 8123) ........... 6 6 0

These gas bags are made of thick solid India-rubber; cheap thin ones will not bear the necessary pressure. The above prices are governed by the price of best rubber, which is at present very high, they are therefore subject to fluctuation.

8124 Pressure Boards, jointed, position of weights, when in use (Fig. 8124) 0 15 0
8125 Ditto ditto with hinged flap for weights and leather strap ...... 1 9 0
8126 Pressure Boards, Double, for use with the oxyhydrogen jets when both gases are under pressure, for two 8-feet bags .... 2 12 6

8126 Iron Retort, with tube for making oxygen gas (Fig. 8126) .... 0 17 6
8127 Zinc Purifier for the above retort (Fig. 8127) ............ 0 6 6
8128 Hydrogen Retort in stout lead for generating hydrogen gas .... 1 1 0
8129 Gas Mixture for making oxygen gas .......... ..... .per lb. 0 1 0

8130 Lime Cylinders, one dozen in tins ........ hard 0 2 0
8131 Ditto extra large .......... per doz. 0 4 0
8132 Brass Tube, to hold one dozen limes, ready for use, air tight .... 0 4 0
8133 "Newtonian" Hard Lime Cylinders, packed in tins, 6 in each, per tin 0 1 9

"The Newtonian" Hard Lime Cylinders are the most intensely luminous limes made; they very rarely break when in use. (Fig. 8133.)

8134 "Newtonian" Hard Lime Cylinders, each in sealed glass tube .... 0 0 4
8135 Lime Tongs for removing hot limes, best form 2s. .... ordinary 0 1 0
ACCESSORIES FOR LIME LIGHT.

8136 Lime-light Tray with pillar and adjusting motions complete, new pattern £1 5 0
8137 Solid India-rubber Tubing, 1/4 in. per foot 0 0 9
8138 India-rubber Tubing, cheaper quality per foot 0 0 6
8139 Extra Stout Red India-rubber Tubing, 3/4 in. bore, 3/4 in. external diameter per foot 0 3 0
8140 Metallic Flexible Tubing with rubber unions for connecting, 6-ft. lengths per pair 0 7 0

DISSOLVING TAPS.

8141 Dissolving Bye-pass Tap, Newton’s Improved, to be used with a pair of oxycalcium gas jets, for obtaining the effect of dissolving by turning the oxygen and hydrogen gases alternately into each lantern, and so dispensing with the ordinary dissolving apparatus. (Fig. 8141) £1 1 0
8142 Dissolving Bye-pass Tap, Newton’s Improved, as above, with locking screw for attachment to Lantern, best workmanship, extra finish 1 10 0
8143 Dissolving Tap, Newton’s Improved, for the acetylene lamps, for obtaining the effect of dissolving by turning the gas alternately into each lantern, so dispensing with the dissolving apparatus. (Fig. 8143) 1 1 0

8144 Dissolving Tap, Newton’s Improved Six-Way, with bye-pass taps for use with a pair of oxyhydrogen jets, when two cylinders or bags are used, and both gases are under pressure. (Fig. 8144) £1 7 6
8145 Dissolving Tap, Newton’s Improved Four-way, as above, for use with a third lantern and both gases under pressure. (Fig. 8145) 1 2 6
8146 Dissolving Fans, for use with oil lanterns 1 1 0
THE "NEWTONIAN" NERNST ELECTRICAL LAMPS FOR OPTICAL LANTERNS.

Very brilliant.
Very simple.
Require no special fittings.
Work on the ordinary house circuit.

Absolutely safe.
Require no adjustment or attention when once started.
Fit any ordinary Lantern.

While for large and important lantern work with the electric light the arc lamp is undoubtedly the best to use, the Nernst lamp, as now mounted by us for use in the lantern, is a most efficient substitute, and possesses the great convenience that it can be connected up in a moment by anyone to any socket in place of the ordinary incandescent lamp, whereas the arc lamp requires special wires laid on for it, to carry the heavy current which it takes; especially with alternating current it will be found most suitable in a great many cases, as the light is absolutely steady and there is none of the disagreeable hum inseparable from alternating arc lamps.

The disadvantage is the liability to breakage of filaments and resistances, but they are not very expensive to replace, and the first outlay is so much less than with an arc lamp that the expense is very considerably less in spite of breakages.

These Nernst lamps are entirely complete in themselves, the prices quoted below including all that is needed for their successful working. There are no extras required at all except in the case of breakage; and to guard against trouble from this cause it is well to duplicate the parts mentioned below.

The form shown above is strongly recommended in preference to those contained in tubular mounts, as it is easy to see and replace if a resistance fails during an exhibition, whereas with the other form, which is all closed in, this is impossible.

We are supplying them in two forms, "Single" and "Triple." The "Single" Nernst lamp gives a good light for showing slides up to about 10 ft. or 12 ft. in diameter when used on a 200-volt current.

8146 Price, complete with burner, resistance tube, connecting wire, plug to fit an incandescent lamp socket, clamp to fit the rod of an ordinary lantern tray, and spirit torch £1 5 0

In case of breakage, it is well to have also in addition:

8147 Extra Burner 0 3 0
8148 Extra Resistance 0 1 0

The "Triple" Nernst Lamp is similar to the above, but more powerful, giving on a 200-volt circuit nominally 1,000 candle-power, and about 450 candle-power on 100-volt circuit; so that it will give a well illuminated picture 15 ft. to 18 ft. in diameter. It has three filaments which become incandescent, whereas the "Single" lamp has only one.

8149 Price, complete, with triple burner and resistance tubes, connecting wire and plug to fit an incandescent lamp socket, clamp to fit the rod of an ordinary lantern tray, and spirit torch. £2 10 0

In case of breakage, it is well to have also in addition:

8150 An Extra Triple Burner 0 12 6
8151 An Extra Resistance 0 2 6

Note.—When ordering always say whether the current is alternating or continuous, and at what number of volts pressure it is supplied.

These lamps can be seen at work at any time at 3, Fleet Street, E.C.
NEW SCISSORS PATTERN HAND-FEED ARC LAMP.

We have designed this new pattern arc lamp in response to a demand for a cheap and yet strong hand-feed arc lamp, for projection and laboratory work. We do not consider the type so good or convenient as our "Universal" pattern; but it will be found a great improvement on most of the cheap lamps obtainable. It is fitted with a quick arc-striking arrangement of an entirely new design, which can be used without any danger of upsetting the centring of the arc lamp, as is too often the case with quick-striking arrangements.

8154 "Newtonian" Scissors Arc Lamp, as above .. .. .. £2 2 0
8155 Mechanical Tray for above, with movements in all directions .. .. 1 5 0

THE "UNIVERSAL" ELECTRIC ARC LAMP.

FOR OPTICAL LANTERNS.

The electric arc lamp is the best of all illuminants for lantern work. It produces the most brilliant light of any besides the sharpest definition, and it is simple to use, and, once installed, inexpensive. For ordinary use a hand-feed lamp is undoubtedly the most convenient, and our "Universal" pattern has been designed with the advantage of the experience gained during the last fifteen years.

As its name implies, it will work on any current (either continuous or alternating) and the adjustments are simple and convenient.

Fig. 8156 shows the lamp arranged for ordinary lantern work, on tray No. 8158, in which all the necessary motions for centring are provided. The three milled heads shown projecting from the back of the lamp enable the carbons to be fed and the arc adjusted up and down and from right to left, from outside the lantern.

Nos. 8156 and 8158.

8156 "Universal" Hand-Feed Arc Lamp for lanterns, as above, with adjustments (see Fig. 8156) but without adjusting tray .. .. .. £2 18 6
8157 Carbons for Lamp .. .. .. .. .. .. .. per pair 0 0 3

When ordering Carbons state whether they are required for continuous or alternating current.

8158 New Adjusting Tray for ditto (Fig. 8158) .. .. .. .. 1 5 0
8159 Induction Ring fitted to above lamp, for use with alternating current .. 1 1 0

This device almost entirely prevents the unsteadiness of the light so often noticed with alternating current arc lamps.

8160 Switch (Silent) for ditto on slate bed .. .. .. .. 0 10 0
8161 Simple Hand-Feed Arc Lamp for theatre lights .. .. .. 2 2 0
THE "NEW UNIVERSAL" HAND-FEED ARC LAMP.

This new Arc Lamp is the outcome of many years of experience in this direction. Our original "Universal" Arc Lamp was the first of its kind to be put on the market some twelve or thirteen years ago, and the type has been gradually improved in the course of years. This new pattern represents, we believe, the most perfect pattern projector lamp at present devised. It is strong, and all the movements are thoroughly well made. Owing to the peculiar construction of the lamp, longer carbons can be used with it than with any other pattern having the same height of centre. It is made for, and can be used with, any of our ordinary projection lanterns, or we can construct it to suit lanterns of different size, if required.

8162 New "Universal" Arc Lamp, as Fig. 8162 £5 5 0
8163 Carbons for ditto, per pair 0 0 3
8164 Switch (Silent) for ditto, on slate bed 0 10 6

When required for use with alternating current, we can fit this lamp with an Inductance Ring, which has the effect of keeping the arc in front and preventing the rotation of the arc round the carbons, which is so annoying with alternating current.

8165 Inductance Ring, &c., fitted to above lamp £1 1 0

ELECTRIC ARC LAMPS.

8166 The "Oliver" Automatic Arc Lamp for Projection. Best quality, self-feeding, focus-keeping, made specially for use in our large electric lanterns. Can be worked direct from a dynamo or from accumulators; gives about 2,500 candle-power. Works with extreme steadiness. The amount of light given can be increased or diminished at will.

(Fig. 8166) 12 12 0

8167 Carbons for ditto 0 0 6
ADJUSTABLE RESISTANCES FOR ARC LAMPS.

No. 8168.  
No. 8171.

This form of resistance, which is the best for lantern work, we make in two patterns, and owing to the large number we have made we are now able to reduce the cost considerably. No. 8168 is for fixing to a wall, No. 8171 is for carrying about to various places, and is meant to stand on the floor; its feet fold flat for packing, and to make it more portable the frame is of aluminium.

All these resistances are wound with wire amply thick enough to carry the current stated without undue heating, and can if required be utilized for currents considerably heavier without damage.

Resistances to carry 10 to 12 Amperes.

<table>
<thead>
<tr>
<th>Voltage of Current</th>
<th>Fig. 8168</th>
<th>Fig. 8171</th>
</tr>
</thead>
<tbody>
<tr>
<td>8168 100</td>
<td>£3 3 0</td>
<td>£4 0 0</td>
</tr>
<tr>
<td>8169 200</td>
<td>£4 4 0</td>
<td>£5 0 0</td>
</tr>
<tr>
<td>8170 240</td>
<td>£4 7 6</td>
<td>£5 5 0</td>
</tr>
</tbody>
</table>

Resistances to carry 20 Amperes.

<table>
<thead>
<tr>
<th>Voltage of Current</th>
<th>Fig. 8168</th>
<th>Fig. 8171</th>
</tr>
</thead>
<tbody>
<tr>
<td>8174 100</td>
<td>£4 0 0</td>
<td>£4 15 0</td>
</tr>
<tr>
<td>8175 200</td>
<td>£5 0 0</td>
<td>£6 0 0</td>
</tr>
<tr>
<td>8176 240</td>
<td>£5 5 0</td>
<td>£6 6 0</td>
</tr>
</tbody>
</table>

Universal Resistances, adjusting to carry from 10 to 20 Amperes.

<table>
<thead>
<tr>
<th>Voltage of Current</th>
<th>Fig. 8168</th>
<th>Fig. 8171</th>
</tr>
</thead>
<tbody>
<tr>
<td>8180 100</td>
<td>£4 15 0</td>
<td>£5 10 0</td>
</tr>
<tr>
<td>8181 200</td>
<td>£6 0 0</td>
<td>£7 7 0</td>
</tr>
<tr>
<td>8182 240</td>
<td>£7 7 0</td>
<td>£8 15 0</td>
</tr>
</tbody>
</table>

All the Resistances on this and the following page being designed and made at our own works, we can guarantee the workmanship as well as assuring a satisfactory result.
NEW CHEAP-PATTERN RESISTANCE FRAME.

This has been designed to meet the demand for a resistance at a low price for use with an electric arc lamp.

It is not adjustable, so must be made to suit the voltage of the current with which it is to be used; but it is very simple, rigid, efficient, and cheap.

8186 Resistance Frame to carry 10 amperes (Fig. 8186) for 100-volt current  ...  ...  £1 15 0
8187 Resistance Frame, as above, for 200-volt current  ...  ...  1 17 6
8188 Resistance Frame, as above, for 250-volt current  ...  ...  2 0 0

Resistances mounted on China Bobbins and Iron Frames.

This is the cheapest of all forms of resistance for lantern arc lamps where only a small resistance is required, as for example, 100 volts.

They are somewhat rough and clumsy in appearance, but strong and durable, and where economy is an object, can be recommended.

8189 Resistances, as above, not adjustable, for 100 volts, 10 amperes  ...  ...  £1 5 0

TABLE RESISTANCE FOR ARC LAMPS.

This is an adjusting resistance bobbin mounted on slate, so that it can be safely placed on the table. The resistance is increased or diminished by sliding a brass contact maker, so that the amount of current supplied to the lamp can be adjusted to a nicety and the amount of light increased or diminished at will. Fig. 8190.

8190 3 Ohms resistance for 10 ampere current, 1 bobbin  £1 10 0
8191 6 "  ...  ...  ...  2 bobbins  2 15 0
8192 9 "  ...  ...  ...  3 "  4 4 0
8193 12 "  ...  ...  ...  4 "  5 15 6

COMBINED TRANSFORMER AND RESISTANCE FOR ALTERNATING ARC LAMPS.

Where the current is alternating and exceeds 120 volts, a combined transformer and resistance is required if really satisfactory results are to be obtained. We have had great experience in this branch of lantern work, and our combination is the very best arrangement that can be supplied. The resistance should preferably be adjustable, but a slight saving in cost can be made if this is not required.

8195 Alternating Current Transformer for arc lamps, to carry 10 amperes  £5 5 0
8196 Adjusting Resistance for ditto  ...  ...  ...  ...  ...  3 3 0
8197 Alternating Current Transformer, as above, to carry 20 amperes  9 9 0
8198 Adjusting Resistance, as above  ...  ...  ...  ...  ...  4 0 0

Voltage and periodicity of the current should be stated when ordering.
LANTERN ACCESSORIES.

CONDENSERS FOR OPTICAL LANTERNS.

All these condensers are English made, and are ground optically true; they are also well annealed, and are therefore far less likely to crack from the heat than the cheap foreign ones usually sold in lanterns. Each lens is permanently bezelled into a brass cell, so that the condenser can easily be taken to pieces for cleaning and replaced in its proper position.

| Condenser | Single, 4-in. Plano-convex | 8200 | £0 10 6 |
| Condenser | Double, 4-in. Plano-convex, specially made for use with oil light, in brass cells for lantern (Fig. 8201) | 8201 | 1 1 0 |
| Condenser | Double, 4-in. Plano-convex, specially made for use with the lime light, in brass cells for lantern | 8202 | 1 1 0 |
| Condenser | Double, 4½-in., in brass cell | 8203 | 1 3 6 |
| Condenser | Double, 4½-in. Plano-convex, in brass cells for lantern | 8204 | 1 7 6 |
| Condenser | Double, 5-in. Plano-convex, in brass cells for lantern | 8205 | 1 10 0 |
| Condenser | Double, 5½-in. Plano-convex, in brass cells for lantern | 8206 | 1 17 6 |

| Condenser | Quadruple, 5-in. diameter, for lantern microscope, with lime light (Fig. 8207) | 8207 | 3 10 0 |
| Condenser | Quadruple, as above, for electric light | 8208 | 3 10 0 |

CONDENSING LENSES FOR ENLARGING LANTERNS.

Double plano-convex condensing lenses, best quality, optically worked, mounted in screwed brass mounts for photographic enlarging.

| Condenser | 6-in. diameter | 8210 | £2 5 0 |
| Condenser | 7-in. | 8211 | 2 15 0 |
| Condenser | 8-in. | 8212 | 3 10 0 |
| Condenser | 9-in. | 8213 | 4 10 0 |
| Condenser | 10-in. diameter (Fig. 8214) | 8214 | 10-in. | £6 10 0 |
| Condenser | 11-in. | 8215 | 9 9 0 |
| Condenser | 12-in. | 8215a | 12 12 0 |
| Condenser | 15-in. | 8215b | 25 0 0 |

For enlarging lanterns, see pages 69 and 70.
OBJECTIVES FOR OPTICAL LANTERNS.

Double Achromatic Lantern Objectives, complete in brass mount with rack and pinion, flashing shutter, slot for timer, &c.:

<table>
<thead>
<tr>
<th>Objective Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8216 4½-in. equivalent focus</td>
<td>£1 1 0</td>
</tr>
<tr>
<td>8217 6-in.</td>
<td>1 10 0</td>
</tr>
</tbody>
</table>

Double Achromatic Lantern Objectives, as above, but mounted in brass cylinders to slide into a rackwork fitting. This method is useful when it is required to work the same lantern with lenses of different foci, as is often required, for instance, by a travelling lecturer:

<table>
<thead>
<tr>
<th>Objective Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8220 4½-in. equivalent focus</td>
<td>£0 18 0</td>
</tr>
<tr>
<td>8221 6-in.</td>
<td>1 7 0</td>
</tr>
</tbody>
</table>

8224 Rack Front to fit the above lens cylinders into

8225 Lengthening Adapter, to screw into lantern front, to use with long-range lenses:

<table>
<thead>
<tr>
<th>Adapter</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8225 2½-in. diameter</td>
<td>£0 7 6</td>
</tr>
<tr>
<td>8226 3-in. diameter</td>
<td>10 6</td>
</tr>
</tbody>
</table>

8227 Single Achromatic Lenses, in brass cells, 8-in., 10-in., 12-in., 14-in. or 16-in. focus

8228 Rack Front for above lenses

8229 Extra Half-Condenser, to interchange with the front lens of the ordinary condenser when required for use with long focus objectives

8230 Large-size Double Achromatic Lantern Objectives, 3-in. diameter, mounted in brass tubes to fit rack fronts, as fitted by us to our large long-range lanterns; 6-in., 9-in., 10-in., 12-in., 14-in., 15-in., or 18-in. focus each

8231 Large Rack Fronts for the above lenses

8232 Brass Tube Sliding Adapters for use with the above large-diameter lenses

8233 Newton’s Omnifocal” Rack Front Lens, 6-in. equiv. focus, complete with negative lens giving any size picture at almost any distance, suitable for use on any lantern

8234 Newton’s “Omnifocal” Rack Front Lens, 6-in. equiv. focus, complete with negative lens giving any size picture at almost any distance, suitable for use on any lantern

8235 Newton’s New “Omnifocal” Attachment for screwing on to their ordinary 4½-in. or 6-in. front lenses to make them available at all ranges, as above

THE “OMNIFOCAL” LANTERN LENS.

Up to the present it has been necessary to have several front lenses to adapt a lantern to various sized rooms, as each lens would only show a picture of a certain size at any given distance from the screen.

Our “Omnifocal” Lens largely gets over this difficulty, as it enables the operator to greatly vary the focus of his lens and thereby to show a picture of any size he desires at almost any distance that is convenient. Thus a 6-in. lens fitted with this attachment becomes at will a 12-in., 13-in., 14-in., 15-in., &c. It does not, however, enable a slight increase of length to be made to the focus of the lens; thus a 6-in. lens cannot be made a 7-in. or 8-in., only from about 12-in. and upwards.

For long ranges it is necessary to use adapters or telescopic fronts, to carry the lens at a considerable distance from the slide.

The method consists in fitting a negative lens behind the objective, as in the well-known Dallmeyer “Telephoto” lens. This lens, by drawing out the tubes or adapters of the lantern front, can be adjusted at any required distance from the slide, and focussing is then performed by the rack and pinion in the ordinary way. The less distance there is between the negative lens and the slide, the larger the picture on the screen will be; and conversely to make the picture smaller, without moving the lantern, it is only necessary to adjust the negative lens further from the slide and then refocus with the milled head as usual.

8236 Newton’s “Omnifocal” Rack Front Lens, 6-in. equiv. focus, complete with negative lens giving any size picture at almost any distance, suitable for use on any lantern

Large numbers of our customers already possess our 4½-in. and 6-in. front lenses, and we can supply the new negative lens and tube to fit these without alteration, thus making the ordinary lenses into “Omnifocal” lenses as above.

8237 Newton’s New “Omnifocal” Attachment for screwing on to their ordinary 4½-in. or 6-in. front lenses to make them available at all ranges, as above

As Messrs. J. H. Dallmeyer, Ltd., have an unrivalled reputation for these negative lenses for photographic work, we have entered into an agreement with them by which they construct them for lantern work solely for us.
SLIDE TINTERS.

Most of our best lenses are now fitted with slots for slide tinters, and only need the necessary coloured glass or gelatines supplied to fit into them.

- **8236 Tinted Glasses for slide tinters** .. .. .. .. .. each £0 0 6
- **8237 Gelatine Films for ditto** .. .. .. .. .. per packet of 10 0 1 0
- **8238 Revolving Slide Tinter, improved pattern, allowing the tints to be changed at will without difficulty** .. .. .. .. .. 0 15 0

PORTABLE READING DESKS AND LAMPS.

**No. 8239**

- **Reading Desk, Portable Folding**, and lamp combined, with silent flashing signal to exhibitor, folding into very small compass for portability.
  - Mahogany (French-polished) complete .. .. .. .. .. .. £1 1 0

**No. 8240**

- **Reading Desk, ditto. Pine (stained and polished). Fig. 8240** .. 0 15 0

**No. 8241**

- **Lecturer’s Reading Desk with stand and signal lamp, as supplied to the Military Council of Education. Fig. 8241** .. .. .. .. 1 7 6

**No. 8242**

- **Lecturer’s Reading Lamp, with oil burner, very portable, with silent flashing signal to exhibitor** .. .. .. .. .. 0 8 6

**No. 8243**

- **Lecturer’s Reading Lamp, as above, but fitted for candle instead of oil** 0 8 6

**No. 8244**

- **Cheap pattern Candle Reading Lamp** .. .. .. .. .. 0 5 6

**No. 8245**

- **Special Candles for use with the above candle lamps, per dozen** .. .. 0 2 0

**No. 8246**

- **Electric Signal Bell with battery and long coil of wire, in case complete, for silent signalling to exhibitor when to change the slide** .. .. 1 1 0

**No. 8247**

- **Castanetettes for signalling to the exhibitor by a clicking sound** .. each 0 0 4
NEWTON & CO., Opticians to the Royal Family,

PORTABLE LANTERN STANDS.

8248 Portable Lantern Stand. Is a very useful steady stand for either lantern or bi-unial. It is a highly finished stand of polished mahogany, with large table for lantern, and four sliding legs with brass clamps, which can be fixed at any height, from 3 ft. to 5 ft. 6 in. from the floor. Fig. 8248 .. .. £2 10 0

8249 Tripod Portable Lantern Stand, with sliding legs, tilting screw, &c., very strong and rigid, as shown in Fig. 8249 .. £1 15 0

8250 Portable Lantern Stand and box combined (Newton’s Patent). Suitable for single lanterns, either oil or lime light, very light and convenient, can be made to fit any lantern. For details and woodcuts, see page 6, No. 8003 .. £1 15 0

8251 Folding Lantern Stand, for use with any single lantern. Very rigid and portable .. 0 18 6

8252 Tilting Board for ditto, with adjusting screw .. .. 0 8 6

8253 Rigid High Lantern Table with large centre shelf. This is not portable, but can easily be moved about a hall; 5 ft. to 6 ft. high .. .. £2 2s. to 3 3 0

No. 8248.

No. 8249.
LANERN SHEETS.

A screen for lantern work may consist either of a linen sheet or a distempered canvas surface. The latter is by far the best, but cannot be folded, but only rolled up. These canvas screens are therefore not very portable, and are chiefly used as more or less of fixtures in lecture halls or churches. Prices and details of them are given on the next page. The linen sheets, on the other hand, can easily be packed up and put away in a bag; but the image on them is slightly less brilliant, as a percentage of the light passes through them and is lost. These sheets must be well stretched either on a screen stand or to the walls or fixtures in the room.

We also supply them in a specially thin material intended for transparent work, i.e., showing the picture through the sheet, the audience being on the other side.

8254 Transparent Sheets for exhibiting the pictures through the sheet, with well sown edges and eyelet holes for stretching:

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 ft. square</td>
<td>£0 8 6</td>
</tr>
<tr>
<td>10 ft.</td>
<td>£0 15 0</td>
</tr>
<tr>
<td>12 ft.</td>
<td>£1 10 0</td>
</tr>
<tr>
<td>14 ft. square</td>
<td>£1 15 0</td>
</tr>
<tr>
<td>16 ft.</td>
<td>£2 2 0</td>
</tr>
</tbody>
</table>

8255 Opaque Sheets, as above, for showing the pictures on the sheet:

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 ft. square</td>
<td>£0 10 6</td>
</tr>
<tr>
<td>9 ft.</td>
<td>£0 12 6</td>
</tr>
<tr>
<td>10 ft.</td>
<td>£1 10 0</td>
</tr>
<tr>
<td>12 ft.</td>
<td>£1 5 0</td>
</tr>
<tr>
<td>15 ft. square</td>
<td>£1 15 0</td>
</tr>
<tr>
<td>16 ft.</td>
<td>£2 5 0</td>
</tr>
<tr>
<td>20 ft.</td>
<td>£2 17 6</td>
</tr>
</tbody>
</table>

PORTABLE SCREEN STANDS.

These are portable frames intended to support the above sheets, and are very light and rigid.

8256 Screen Stands, Portable (Fig. 8256), consisting of wooden rods and metal tube joints, for use in rooms where the sheet cannot be fastened to the wall, for 7-ft. screen, in case, 3 ft. 10 in. long by 6 in. square, for use with transparent screens, No. 8254, or opaque screens, No. 8255...

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ft.</td>
<td>£1 10 0</td>
</tr>
<tr>
<td>7 ft.</td>
<td>£1 13 6</td>
</tr>
<tr>
<td>8 ft.</td>
<td>£1 16 0</td>
</tr>
<tr>
<td>9 ft.</td>
<td>£1 16 0</td>
</tr>
<tr>
<td>10 ft.</td>
<td>£2 13 0</td>
</tr>
<tr>
<td>12 ft.</td>
<td>£3 0 0</td>
</tr>
<tr>
<td>15 ft.</td>
<td>£4 0 0</td>
</tr>
</tbody>
</table>

8257 Screen Stands, Portable, as above, for 10-ft. sheet, in case, 3 ft. 8 in. long by 6 in. square...

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ft.</td>
<td>£1 10 0</td>
</tr>
<tr>
<td>7 ft.</td>
<td>£1 13 6</td>
</tr>
<tr>
<td>8 ft.</td>
<td>£1 16 0</td>
</tr>
<tr>
<td>9 ft.</td>
<td>£2 2 0</td>
</tr>
<tr>
<td>10 ft.</td>
<td>£1 16 0</td>
</tr>
<tr>
<td>12 ft.</td>
<td>£2 2 0</td>
</tr>
<tr>
<td>14 ft.</td>
<td>£3 0 0</td>
</tr>
</tbody>
</table>

BAMBOO SCREEN STANDS.

8259 These stands are made up of short lengths of bamboo rod joined together with brass ferrules and brass corners, with small pulleys so as to make it easy to haul the sheet into position. Complete in small case with handle:

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ft.</td>
<td>£1 10 0</td>
</tr>
<tr>
<td>7 ft.</td>
<td>£1 13 6</td>
</tr>
<tr>
<td>8 ft.</td>
<td>£1 16 0</td>
</tr>
</tbody>
</table>
NEWTON & CO., Opticians to the Royal Family,

DISTEMPERED CANVAS ROLLER SCREENS.

No. 8260.

These are the best screens to use if they are not required to be carried from place to place. They are not heavy and can easily be moved from room to room. Their opacity is such that practically all the light which falls on them is reflected back to the audience, so that the pictures appear much brighter than on an ordinary sheet. They are also much less trouble as they need no stretching.

8260 Opaque Cloth Screens, Painted White, and mounted on roller and batten, similar to a map, with pulleys and cords so that they can be drawn up like a blind (Fig. 8260):—

<table>
<thead>
<tr>
<th>Length (ft.)</th>
<th>6 ft.</th>
<th>7 ft.</th>
<th>8 ft.</th>
<th>9 ft.</th>
<th>10 ft.</th>
<th>12 ft.</th>
<th>14 ft.</th>
<th>15 ft.</th>
<th>16 ft.</th>
<th>18 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price (£)</td>
<td>1 0 0</td>
<td>1 2 6</td>
<td>1 5 0</td>
<td>1 10 0</td>
<td>1 17 6</td>
<td>2 15 0</td>
<td>3 17 6</td>
<td>4 10 0</td>
<td>5 0 0</td>
<td>6 5 0</td>
</tr>
</tbody>
</table>

8261 Screens, as above, but fitted in Wooden Cases, so constructed with pulleys and cords that the screen rolls up into the box for protection. The convenience of this is that the screen can be left fixed in its place. At a small extra cost the box can be painted or coloured to suit room if required:—

<table>
<thead>
<tr>
<th>Length (ft.)</th>
<th>6 ft.</th>
<th>7 ft.</th>
<th>8 ft.</th>
<th>9 ft.</th>
<th>10 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price (£)</td>
<td>1 0 0</td>
<td>1 10 0</td>
<td>1 13 0</td>
<td>1 18 6</td>
<td>2 10 0</td>
</tr>
</tbody>
</table>

DRAwING-ROOM SCREEN AND STAND.

8262 Transparent Paper Screens, for drawing-room use, very light and portable, folding stand, roller blind arrangement, for standing on drawing-room table, 40 in. square

8263 Transparent Paper Screen, as above, 5 ft. square

The above screens are specially adapted for drawing-rooms, where a large picture is not required and an ordinary screen cannot readily be hung. The picture shown through the tracing paper is very brilliant. These are used by the various Missionary Societies for drawing-room meetings.
### SLIDE CARRIERS.

**8263 Metal Carrier for framed slides**  ...  ...  ...  ...  ...  **£0 5 6**

This is intended for use where the slides are in wooden frames as is still the case with the more expensive slides sent out on hire.

The carrier is placed in the lantern stage, and the framed slides are passed through panoramically and as easily as unframed slides.

Where the slides used at a lecture are partly framed and partly unframed, we can supply slotted frames into which the latter can be fitted and then passed through the metal carrier (No. 8263). Two of these slotted frames will be found convenient.

**8264 Slotted Frame**, as above  ...  ...  ...  ...  ...  ...  ...  ...  ...  each  **0 1 0**

**8265 Carriers for Unframed Slides**, panoramic carrier for pushing the slides through, very useful for long sliding effects  ...  ...  ...  ...  ...  ...  ...  ...  ...  **0 2 0**

![Diagram of No. 8266](image)

**8266 Double Sliding Carrier**, the simplest and most convenient of all carriers for single lanterns. This and No. 8267 are fitted with a very simple lifting arrangement which raises the slides, enabling the operator to take them out more readily (Fig. 8266)  ...  ...  ...  ...  ...  ...  each  **0 3 0**

![Diagram of No. 8267](image)

**8267 Carrier, single sliding, for a pair of lanterns** (Fig. 8267)  ...  ...  ...  ...  **0 3 0**

![Diagram of No. 8269](image)

**8268 Carrier, Beard's Patent Self-centring** (Fig. 8268)  ...  ...  ...  ...  **0 5 0**

8269 **Beard's Patent Self-centring, with metal masks**  ...  ...  **0 7 6**

8270 **for giving somewhat the effect of dissolving with a single lantern**  **0 10 0**

8270a **as No. 8270 but "Universal," to take any size slide**  ...  ...  **0 12 6**

In these patent carriers the slide is withdrawn from the same side of the lantern to that in which it is inserted, thus avoiding the necessity of the operator having to reach over to the far side.

**8271 Lantern Slide Carrier.** The effect caused by the using of this carrier is that there is no bright blank light when the slide is changed, the space being covered by a wood shutter  ...  ...  ...  ...  ...  ...  ...  ...  ...  ...  **0 4 6**

**8272 Davenport's Carrier**, giving somewhat the appearance of a curtain being raised and lowered when changing from one picture to another  ...  ...  ...  ...  ...  **0 7 6**

**8273 Slide Frames** (mahogany), for mounting pictures  ...  ...  ...  ...  ...  ...  per doz.  **0 4 6**
LEATHER CARDBOARD SLIDE BOXES.

These are very strong, light, and cheap; they are made in two sizes, and the straps are fixed so as to prevent their being lost.

8274 Leather-Board Box, to hold 4 dozen slides, with strap and buckle  £0 0 9
8275 Leather-Board Box, to hold 6 dozen slides, with strap and buckle  0 1 0

WOODEN SLIDE BOXES.

8276 Grooved Lantern Slide Boxes, with improved paper-covered metal grooves, for pictures without frames (Fig. 8276); 12 slides, 1s. 4d.; 24 slides, 2s. 3d.; 36 slides, 3s. 3d.; 48 slides, 3s. 6d.; 60 slides, 4s.; 100 slides 0 5 9

8277 Varnished Pine Slide Boxes, fitted with improved paper-covered metal grooving and leather straps (Fig. 8277)
36 slides, 5s.; 48 slides, 5s. 6d.; 60 slides, 6s.; 100 slides 0 7 6

8278 Varnished Pine Grooved Box, for 50 slides, and division for carrier, with strap  0 12 6

8279 Varnished Pine Store Boxes, with divisions, but without grooves, holding about 100 slides  0 5 0
WOODEN SLIDE BOXES.

3, Fleet Street, Temple Bar, London, E.C.

As made for the London County Council.

8280 Varnished Pine Slide Boxes, with divisions, without grooves, with felt and india-rubber tube packings, with strap, extra strong for travelling.

(Fig. 8280) 2—space to hold 30 slides, 6s. 6d.; 3—space for 45 slides, 7s. 6d.; 4—space for 60 slides, 8s. 6d.; 5—space for 75 slides...

£0 9 6

8281 Varnished Pine Slide Boxes, lined felt throughout, with handle,

(Fig. 8281) with one space to hold 30 slides, 5s. 6d.; 2—space for 60 slides 0 6 6

SLIDE CABINET.

8282 Slide Cabinet, with 12 drawers, space for holding each about 60 slides, varnished white wood (Fig. 8282)...

2 0 0

Larger sizes made to order.
NEWTON & CO., Opticians to the Royal Family,

PATENT SLIDE BOX
FOR CARRYING AND HEATING SLIDES.

Most lecturers have been troubled by the moisture which forms on cold slides when put into the lantern on a damp, cold night. To prevent this, by warming the slides beforehand, is the object of the Patent Slide box.

No. 8283.

This is a strong, neat, and convenient box for carrying about 90 slides.

It is made of walnut wood, padded with rubber, and lined with baize, is fitted with a carrying strap, and the front is hinged to render the slides more easily accessible.

Between the two piles of slides is a metal flask with a water-tight stopper, which on a cold night should be filled with boiling water to warm the slides, so that the damp shall not so readily condense on them when put into the hot lantern. (Fig. 8283) Price complete, 10s.

MATERIALS FOR MAKING AND COLOURING SLIDES.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8284</td>
<td>Lantern Size Dry Plates</td>
<td>£0 1 0</td>
</tr>
<tr>
<td>8285</td>
<td>Cover Glasses for ditto, specially selected</td>
<td>0 0 6</td>
</tr>
<tr>
<td>8286</td>
<td>Box of Lantern Marks</td>
<td>0 1 0</td>
</tr>
<tr>
<td>8287</td>
<td>Packet of Binding Paper</td>
<td>0 1 0</td>
</tr>
<tr>
<td>8288</td>
<td>Box of White Paper Spots, for marking slides</td>
<td>0 1 0</td>
</tr>
<tr>
<td>8289</td>
<td>Glass Painting, transparent colours and materials for painting lantern slides, 9 tubes of moist colours, spirit, spatula, medium, brushes, palette, &amp;c., in mahogany case</td>
<td>0 15 0</td>
</tr>
<tr>
<td>8290</td>
<td>Glass Painting, transparent colours and materials as above, but with 12 tubes of moist colours, with knife, scraper, &amp;c.</td>
<td>1 1 0</td>
</tr>
<tr>
<td>8291</td>
<td>Glass Painting, as above, larger size, with two palettes, water glasses, &amp;c., in mahogany case with drawer</td>
<td>1 15 0</td>
</tr>
<tr>
<td>8292</td>
<td>Glass Painting, boxes of colours for the pocket, in tin box, 7s 6d.</td>
<td>0 10 6</td>
</tr>
</tbody>
</table>
SCIENCE LANterns.

List

or

ProjectIon Apparatus,

Optical Lanterns,

Microscopes and Polariscopes

for

Scientific demonstration.

Messrs. Newton & Co. have supplied their Scientific Lanterns and Apparatus to The Royal Society; The Royal Institution of Great Britain; The Royal Dublin Society; The Royal College of Science, South Kensington; The Indian, Canadian, and Foreign Governments; Oxford, Cambridge, and most of the principal Universities, Colleges, and Scientific Institutions and Public Schools at home and abroad.

For Ordinary Lanterns and Dissolving View Apparatus for Public and Private Exhibitions see pages 1 to 19.
THE "DEMONSTRATOR'S" OPTICAL LANTERN.

FOR LIME LIGHT OR ELECTRIC ARC.

(NEWTON'S PATENT.)

No. 8328.

This form of Science Lantern, which is, we believe, unequalled for simplicity of construction and practical efficiency, was originally designed at the suggestion of Prof. H. Jackson, of King's College, for scientific lecturers, who wish to use only one lantern, and who require to pass rapidly and easily from vertical to horizontal projection.

Any of our hand-feed arc lamps described on pages 31 and 32 can be used with this lantern, or a lime-light jet can be used as a substitute.

A large prism of the highest quality is so arranged that without being removed from its mount it can be placed in either of the two bearings, so as to work as a reflecting or an erecting prism as shown in Fig. 8328.

The space between condenser and front lens is left clear for projecting apparatus, &c.

The stage for holding slides, alum trough, &c., being keyholed to the front plate, can be removed, or replaced in an instant with one hand, all screws being dispensed with.

The rack bar with front lens and prism can also be similarly removed or replaced with equal ease, leaving the condenser entirely open.

When projecting thermometers, capillary tubes, gold leaf electroscopes, &c., with an ordinary lantern, the effect is entirely spoiled by the inversion of the image on the screen, and the cost of an erecting prism often prevents its employment. This expense is saved in the "Demonstrator's" lantern, by employing the same prism to erect these objects that is used as a reflector for vertical projection, in which capacity it gives a far more perfect image than a mirror. This prism should be placed in the upper bearing in the position shown in Fig. 8328 when required for erecting, and in the lower bearing in the position shown in the dotted lines when used as a reflector for vertical work.

The objective supplied with this lantern is necessarily of the single achromatic type, as no other is practicable in combination with an erecting or reflecting prism. For lantern slide projection only this is of course not quite so good as a double achromatic lens, and therefore, if the lantern is to be used at times solely for the projection of slides, we recommend that an extra double achromatic lens be purchased, which can be screwed into the front ring in place of the lens and fitting.

The lantern is so constructed that after the jet or arc lamp has once been centred for direct projection, it requires no further adjustment when the erecting prism is used, or when changed from horizontal to vertical position.
For vertical projections it is simply necessary to raise the front portion of the condenser, which is hinged at the top, and to slide a mirror into its place underneath. Then shift the prism into the lower bearings, as shown in Fig. 8328, and a clear brilliant disc of light, the full field of the 4¼-in. condenser, will be thrown on the screen. If a smoked glass be now laid on the condenser it can be readily written or drawn upon by a point, and the writing or diagram appears the right way up on the screen (while it is being done), very brilliantly shown in white on a black ground, without any secondary image being visible.

A secondary stage can be supplied if desired to hold a water trough, &c., behind the slide or other object in the ordinary spring stage, in order to protect this latter from the heat (Fig. 8331).

If the lantern is required to carry a projection microscope, elbow polariscope, or other optical fitting requiring a tube front, this can be supplied to key-hole on the front plate in place of the brass stage (Fig. 8333).

A brass lantern stage of the usual enclosed pattern, with a complete tube front, can also be supplied if it is required to convert the lantern at any time to an ordinary solid-front lantern, and it can be altered back again for science work when required in less than a minute (Fig. 8336).

8328 "Demonstrator's" Optical Lantern complete as described above, with 4¼-in. condensers, achromatic front lens, rack and pinion bar for focussing, polished mahogany body, prism mounted for use as erector and reflector, curtain at back of lantern, &c., without jet (Fig. 8328) .. .. .. £10 10 0

8329 "Demonstrator's" Optical Lantern, as above, but with stouter body, long base board, support for focussing rod, and removable front .. 13 13 0

The advantage of this form is that the entire front with condensers can also be removed, if desired, and replaced by a Wright's microscope or any other form of front requiring a special condenser system.

8830 Strong Cabinet Case for No. 8328, 21s.; for No. 8329 .. .. .. 1 5 0

8831 Fitting for Water Trough to interpose between condenser and slide stage, in order to protect delicate objects from the heat (Fig. 8331) .. 1 10 0

8832 Water Trough for ditto .. .. .. .. .. .. .. .. .. .. .. .. 0 7 6

8833 Brass Adapter and extension tube to carry a micro attachment or elbow polariscope, or other optical fittings, see Fig. 8833 .. .. .. 1 2 6

8834 Water Trough for above, for protecting sensitive slides from the heat .. 0 10 6
8335 Extra Condenser Lens, to increase the angle of light utilised with a microscope attachment ... ... ... ... ... ... £0 15 0

(This lens is not absolutely necessary when a micro attachment is used, but considerably increases the illumination.)

8336 Brass Adapter, as No. 8333, but including a lantern slide stage. This fitting converts the lantern to an ordinary solid front instrument for slide projection, needing only the addition of a double achromatic lens to render it perfect for this class of work (Fig. 8336).

8337 Double Achromatic Lens for above, in rack front, with collar adapter, £3 3s.; 6 in., £1 12s. 6d.; 8 in. or 10 in. ... ... ... ... ... 1 15 6

These lenses can also be screwed into the fitting on the rack bar of the lantern in place of the lens and prism if required, thus saving the expense of brass fitting No. 8336. The advantage of the latter is that it so perfectly excludes all light, and as for slide work only the open stage is not needed, this fitting is preferable.

THE "DEMONSTRATOR'S" OPTICAL LANTERN.

(NEWTON’S PATENT.)

For Lime Light or Electric Arc Lamp.

(NEW PATTERN.)

No. 8339.

This lantern is similar to our well-known “DEMONSTRATOR'S” LANTERNS, but is fitted with a 5-inch double condenser so as to enable larger apparatus to be used, and has a free base board, that is, the bar is sunk below the surface of the board.

8339 "DEMONSTRATOR'S" OPTICAL LANTERN, 5-inch double condenser, with support for rod, and removable front, without arc lamp ... £15 15 0
NEWTON’S PATENT
DEMONSTRATOR’S “TRANSPAQUE” LANTERN.
For Electric Arc Light.

No. 8340.

In this new pattern are combined all the advantages of the previous patterns of our well-known “Demonstrator’s” Science Lanterns, and in addition, the power of projecting opaque objects on the screen. Book illustrations, woodcuts, &c., if not larger than an ordinary postcard, can be shown direct, without making slides from them, in a perfectly satisfactory manner on the screen, and real objects such as an entire human brain, bones, &c., can also easily be exhibited.

When showing opaque objects it is necessary to cut out part of the resistance from the circuit, so as to use about 20 amperes of current, but for most of the other work with this lantern the resistance may be left in circuit and only about 10 amperes used.

Suitable resistances for this purpose, with switches complete, are described on page 33, Nos. 8174 and 8185.

All the ordinary demonstrator’s work can be done with the lantern, viz., the projection of slides, the projection of apparatus by aid of the erecting prism, the projection of horizontal troughs and apparatus, and writing and drawing on smoked glass while in the lantern instead of using a black board.

8340 “TRANSPAQUE” DEMONSTRATOR’S LANTERN, complete with prism and hand-feed arc lamp, also water trough and fitting to protect the opaque objects from the heat (Fig. 8340) ... ... ... ... £24 0 0

All the adapters listed on pages 47 and 48 can be applied to either of these lanterns; No. 8340, however, includes adapter No. 8333, and also water trough No. 8334.
This lantern is similar, optically, to the "Demonstrator's" lanterns on the foregoing pages, but is provided with a cylindrical body of bronzed brass and a rotating base board which is very convenient whenever it is required to turn the lantern at an angle from the screen, as for example in many refraction and reflection experiments.

The height to the centre of the condensers is far greater than usual and allows of a spectrum burner, Bunsen burner, or other apparatus being introduced if necessary.

The base for the lamp is provided with a horizontal traverse and is intended to take a special hand-feed arc lamp which we make for the purpose.

8341 Cylindrical Lantern, as above, complete with "Demonstrator's" front, 4½-in. condensers, &c. (Fig. 8341) ... ... ... ... £21 0 0

8341a Cylindrical Lantern, as above, but fitted with plain brass optical front instead of "Demonstrator's" front, with 4½-in. condensers and double achromatic front lens ... ... ... ... ... 19 19 0

8343 Special Hand-feed Arc Lamp, designed for use with the above lantern ... ... ... ... ... ... ... 6 16 0
CHEAP DEMONSTRATION LANTERN.
FOR SCIENTIFIC AND EXPERIMENTAL WORK.
FOR USE WITH OIL LAMP, ACETYLENE,
NEUENST ELECTRIC, OR LIME LIGHT.
SUITABLE FOR COLLEGE AND SCIENCE CLASSES.

8344 Patent Cheap Demonstration Lantern, specially designed for
projecting chemical and physical experiments, and apparatus on the
screen as well as diagrams and lantern slides, with adjusting table for
apparatus, 4-in. condenser, and best 6-in. rack front lens, 4-wick
"Newtonian" lamp, complete (Fig. 8344) ... ... ... ... £6 10 0

If this lantern is required for use with acetylene light, lime light, &c., deduct the
price of the "Newtonian" lamp (£1) and add on the price of the illuminant to be added
(see pages 22-32).

THE "LECTURER'S"
LANTERN.

8345 "Lecturer's" Lantern, with 4-in. condensers and 6-in. front lens ... £8 15 0
Acetylene, lime light, or arc light can be used with this lantern.
THE "NEWTONIAN"
UNIVERSAL
SCIENCE LANTERN.

(IVES AND NEWTON'S
PATENT.)

8346 Newtonian "Universal" Science Lantern with lantern-slide front, microscopic attachment, and spectroscope front, and fitted to take instantly any of the instruments mentioned below without alteration.
Fig. 8346

This lantern, Fig. 8346, has been devised with a view to producing an instrument which shall be extremely portable and which shall yet be capable of producing, with a minimum of trouble and rearrangement, most of the experiments required by lecturers on Light, Photography, Colour, and similar subjects.

The lantern is fitted with 3 fronts fixed to one brass plate. The change from one front to another is made by sliding the whole arrangement from stop to stop.

The first front is for showing ordinary slides and diagrams and comprises 4-in. condenser and best double achromatic front lens, exhibiting slides as well and clearly as any lantern we can make.

The second front is a microscopic attachment fitted with sub-stage condenser and low power objective. Any additional higher powers can be supplied, and polarizing prisms fitted if required.

The third front is for spectroscopic work and is fitted with slit, direct-vision prism, and achromatic focusing lens, which project a brilliant spectrum on the screen without the necessity of placing the lantern at an angle.

A comparison prism is also fitted, by which, at the same time, an image is projected on the screen of any medium of which the absorption spectrum is being shown.

These 3 fronts can be removed and a photochromoscope or a vertical attachment or an elbow polarscope or any other front substituted in five seconds.

The condenser is mounted on a hinge and can be removed or put in position instantly. Either time light or the electric arc can be used in this lantern. Every detail has been carefully arranged and the workmanship is of a very high class.

Additional apparatus arranged to work with the above lantern.

8347 Photochromoscope for projecting Ives' 3-colour system of colour photography with 6 sets of slides as shown in Fig. 8353, page 53

8348 Photochromoscope Slides, 1 set of 3 pictures

A considerable variety of these slides can be supplied.

8349 Vertical Attachment with lenses, prism, &c.

8350 Elbow Polarscope fitted to above lantern

8351 Polarising Prisms fitted to microscopic attachment

8352 Portable Cabinet Case to contain lantern and 3 fronts, capable of being carried in the hand

£18 0 0

£12 12 0

0 5 0

5 5 0

8 8 0

4 4 0

0 17 6
THE “NEWTONIAN” UNIVERSAL SCIENCE LANTERN—Continued.

LANTERN PHOTOCHROMOSCOPE.

FOR DEMONSTRATING THE PRINCIPLES OF THREE-COLOUR PHOTOGRAPHY ON THE SCREEN.

(IVES’ PATENT.)

Requires only a single lime-light (mixed) jet to work it, or one electric arc lamp.

One of the most beautiful and interesting scientific additions ever introduced for use with the Optical Lantern.

This instrument projects plain photographic slides on the screen in all their natural colours. The method is that invented and patented by Mr. F. Ives, which consists in taking three negatives of any subject, each through a different coloured film, and projecting the three slides made from these negatives so as to form one image on the screen.

Each slide, when projected, has over it its own coloured film and forms on the screen a red, green, or violet-blue picture, but when by the movement of the lever the three pictures are made to coincide, a very beautiful and wonderful combination takes place, each portion of the picture selecting its own proportions of the three primary colours to form its own natural tint. The crude primary colours are entirely lost, and in their place we have a most exquisite series of delicate tints formed by the combination of the three primaries in various proportions.

This is only made possible by the careful selection of colour films, the three colours supplied in the instrument, red, green, and violet-blue, when combined producing white light, and forming, when mixed together in varying proportions, all the colours of the spectrum.

If no photographs be put in the instrument we have three coloured discs on the screen, which by means of the lever can be made to overlap each other. It is then seen that the combination of red and green forms a bright yellow, while the green and violet-blue overlapping produce a sky blue. Moving the lever still further all three coincide to form a white disc on the screen. It makes a most admirable and interesting short exhibition for a conversazione, as well as an invaluable and striking experiment for Lectures on light or colour. It can be had on hire, if desired, for 31s. 6d.

8353 Lantern Photochromoscope, with six sets of pictures, to attach to any lantern, as shown attached to the “Newtonian” Universal Science Lantern in Fig. 8353

8354 Lantern Photochromoscope, complete, with mahogany lantern, tray and top, including six sets of pictures

8355 Large Multiple Back, to fit to any suitable camera, with red, blue, and green colour screens, and one double dark slide, making 3 pictures of ordinary lantern size and centred for photochromoscope

8356 Extra Dark Slides

No. 8353.

Fig. 8346, page 52, shows this lantern fitted with 3 fronts as described. Fig. 8353 shows the same lantern when being used with the photochromoscope.
THE "SCIENTIST'S" BI-UNIAL LANTERN.
FOR LIME LIGHT ONLY. (NEWTON'S PATENT.)

No. 8363.

8363 Scientist's Bi-Unial Lantern complete, as described below, with 4¾-in. condensers, best 6-in. rack front, polished teak frame, fitted with mirror, &c., without jets. (Fig. 8363) ... ... ... ... £14 14 0

8364 Strong Cabinet Case for ditto, iron bound, for travelling, forming stand for lantern ... ... ... ... ... ... ... ... ... ... 1 1 0

This lantern is specially designed for scientific lecturing purposes.

The lower lantern is so constructed that any pieces of apparatus, such as radiometers, electrosopes, &c., can be placed between the condenser and the front lens for projection on the screen; or the front lens and slide stage may be entirely removed and a powerful 4¾-in. parallel beam obtained.

The upper lantern is used at the same time as the lower, as a bi-unial dissolving view apparatus, or for projecting slides, &c., on the screen, in illustration of the experiments which are being conducted with the lower lantern.

If it is desired to exhibit objects which can only be placed horizontally, or to make sketches which shall appear on the screen while they are being drawn, the upper lantern can be tilted back without disarranging any of the apparatus, and by means of a mirror or prism the objects or sketches exhibited far more clearly than by the ordinary vertical attachment, and without any of the trouble which that method entails. When the sketch is made, the lantern is turned down to its normal position and is ready for ordinary exhibition without any re-adjustment.

Other arrangements for vertical projection are mentioned in this list, but none give such brilliant results as this method, only one reflector being employed.

Any apparatus made for use with erectors or vertical attachments will show far better with this lantern, as there is only one reflection instead of two, and the condensing lenses are not separated. If desired, an adjusting table (removable) can be fitted in front of the lower condenser to hold apparatus which it is required to project.

This lantern packs into its case without taking to pieces or even disconnecting the tubes, and is very light and portable.

The jets, &c., recommended for use with these lanterns are one each of Nos. 8102 and 8104, page 25; and dissolving tap, No. 8144, page 29.

This Scientist's Bi-Unial Lantern has proved so satisfactory for scientific lecturing that it has been adopted by the Cambridge and the London University Extension Lecturers, and by many Colleges and Science Lecturers at home and abroad.
THE "SCIENTIST’S" OPTICAL LANTERN.
(newton’s patent.)

This lantern was introduced in response to a desire expressed by some lecturers for a single lantern having as many as possible of the advantages of the "Scientist’s" Bi-Unial, and is exactly like the top lantern of No. 8363. In this form the advantage of the tilting arrangement is preserved, and the front is removable for parallel beam work.

For travelling scientific lecturers for whom the cost of the "Scientist’s" Bi-Unial is too great, this instrument is strongly recommended as most satisfactory for all-round work. The jet recommended for use with the above is No. 8102, page 25.

8365 The "Scientist’s" Optical Lantern complete, with 4½-in. condensers, best 6-in. rack front, polished teak frame, fitted with mirror, &c. .. £9 9 0

8366 Strong Cabinet Case for ditto, iron bound for travelling, forming stand for lantern ...... ...... ...... ...... ...... ...... ...... 0 13 6

THE "SCIENTIST’S" BI-UNIAL LANTERN ON LATHE-BED BASE.

FOR LIME LIGHT ONLY.
FOR USE AT COLLEGES AND INSTITUTIONS.
(newton’s patent.)

8367 Scientist’s Bi-Unial Lantern complete, with 4½-in. condensers
(Fig. 8367) ...... ...... ...... ...... ...... ...... ...... ...... £60 0 0

This lantern was designed with the courteous assistance of Andrew Pringle, Esq., for use at the Royal Veterinary College.

In principle it is similar to No. 8363, but is made entirely in teak with brass front and fittings, and is mounted on a lathe-bed base, which gives great freedom of movement, while ensuring accurate centring.

Wright & Newton’s patent lantern microscope, No. 8386, page 58, can be used on the lower lantern if required.

An adjusting table is provided for the support of apparatus which it is desired to project.

This lantern is intended to be used in a fixed position. It is not very portable, and is unsuitable for carrying about to lectures in various places.
THE "LABORATORY" LATHE-BED LANTERN.

This new lantern has been designed specially for scientific work in laboratories and lecture theatres. It consists of a ribbed aluminium body carrying a 4¼in. condenser, mounted on a solid accurately planed lathe-bed removable base 3 feet long on levelling screws. The focussing lens and slide carrier are carried on separate standards, and both they and the lantern will slide and clamp in any position on the "V and flat" iron bed. There is a clear space of about 14 in. between the optical centre and the table on which the lathe-bed stands, thus allowing ample room for physiological recording apparatus, &c., for which this form of base gives ample facilities. The whole instrument being constructed of metal is very rigid and free from vibration, and is not affected by the heat of the arc light. It is, of course, not very portable, though it can easily be carried from one room to another. As the fittings are all readily removable, the base can also be used as an optical bench for laboratory work, where accurate centring and motions, and easy interchange of apparatus are requisite. The flat surface being planed can be divided if desired to metric or English scale.

8360 The "Laboratory" Lathe-bed Lantern, as above, (Fig. 8360) £25 0 0
The best electric lamp for use with this lantern is No. 8162, page 32, price 5 5 0

8361 Lantern Microscope, on the "Lewis Wright" principle, fitted to above with centring motions to substage condensers and objectives 15 15 0

8362 Lathe-bed Base, as above, without optical lantern or fittings, but with feet and levelling screens 8 8 0

We are also making a triangular optical bench (the "Universal") in connection with Cheshire's Projection Apparatus. See page 79.
PROJECTION MICROSCOPES.
LOW POWER MICROSCOPIC ATTACHMENT.

No. 8368.

This is a very simple and yet efficient instrument for the projection of microscope slides and objects. Unlike the more expensive Wright's microscope described in the pages following, it does not require a special condenser system, but screws on to the ordinary lantern nozzle in place of the ordinary objective. It can therefore be fitted to any lantern, and is easy to adjust and manipulate.

It is fitted with a large rotating diaphragm, forming an entirely open stage, which greatly facilitates the manipulation, and gives a clear sharp edge to the disc.

It is advisable to use a water trough, as the most delicately mounted balsam slides may then be used without fear of injury from the heat, and pond life can be shown to much greater advantage, the water being kept perfectly cool.

If desired, the image can, by means of a specially-made prism, be thrown down direct on to paper for drawing, &c.

Any good microscope objectives can be used with the instrument, which will show wood sections, scorpion flies, spiders, &c., 8 ft. in diameter; sheep tick, 5 ft. long, exceedingly sharp and clear; every hair on a flea, or other small insect, shows with perfect distinctness on the screen. Pond life is easily shown, hydra 6 ft. long, volvox globator, showing young inside, &c.

One double achromatic objective is supplied with the instrument, and additional achromatic objectives of different powers can also be had as below. With these powers the transverse striations of trachea of dytiscus, and the spiral formation of blow-fly's tongue can be shown.

The instrument is made entirely of polished brass and gun-metal, and is fitted and finished in the best quality of workmanship throughout. It can be seen at work by intending purchasers (by appointment) at 3, Fleet Street, E.C.

8368 Newton's Patent Microscopic Attachment with rotating diaphragm, adjusting sub-stage condenser, and special double achromatic objective, as described above (Fig. 8368) complete £4 14 6

8369 Microscopic Attachment. A somewhat simpler form of this instrument, but without adjustment to the condenser, has now been devised in order that similar results to the above may be obtained at less expense. With objective as above 3 10 0

Achromatic Objectives, constructed specially for microscopic projection, giving perfect brilliancy and definition up to the margin of the field.

8370 3 in. Achromatic objective in case 2 0 0 | 8379 8-10 in. Achrom. objective in case 2 7 6
8371 2 in. " " " 2 2 0 | 8380 6-10 in. " " " 1 10 0
8372 1½ in. " " " 2 5 0 | 8381 4-10 in. " " " 1 10 0
8373 Trough for use with the new microscopic attachment, to prevent heat injuring the slides 0 7 6
8374 Special Water Trough, designed for use with the "Demonstrator's" lantern 0 10 6
8375 Glass Troughs for pond life 0 2 6
8376 Glass Tanks, with platinum electrodes for electrolytic crystallisations 0 15 0
8377 Reflecting Prism in revolving brass mount to fit the above, to throw the image direct down on the paper for drawing 0 17 6
8378 Polished Case to contain instrument and alum trough, if required 0 7 6
8379 Objects for the Lantern Microscopes, prepared in Canada balsam, consisting of insects, wood sections, ferns, &c. (see List of Microscopic Objects, No. 1. Catalogue). Whole insects from 1s. to 0 2 0

For Projection Microscopes of higher power, see next few pages.
MICROSCOPES FOR HIGH-POWER PROJECTION.
(Wright & Newton’s Patent.)

No. 8385.

These instruments are constructed from the designs, worked out by protracted experiment, of Mr. Lewis Wright, and with it screen demonstrations can be given even by the oxyhydrogen flame light, of a character hitherto quite unattainable. They may be fitted to any good optical lantern. Any microscopic slides may be shown and ample light is obtained with a good oxyhydrogen jet for the magnification of ordinarily transparent subjects to 1,250 diameters, which will display in a clear and beautiful manner all the parts of insects, the minute details of anatomical sections, vegetable tissue, &c. A flea may thus be shown upon the screen, 15 ft. long, as sharply and almost as brilliantly as a magic lantern slide; the proboscis of a blow-fly is easily displayed from 8 to 14 ft. long; and all the details of an insect’s eye are shown in section clearly. The circulation of the blood is easily displayed in the veins of a living frog, and pond life is shown without any difficulty. Where transparency of ground is combined with opacity of detail, as in the scales of Leptisma, a magnification of 3,000 diameters is obtainable. With the electric light the magnifying power is almost unlimited, if the slide be sufficiently perfect to bear it. Geological sections are admirably shown either by ordinary or polarised light.

All fittings are standard sizes, so that ordinary microscopic objectives can be used. The best results are generally obtained from the special series of objectives mentioned below, which have been specially constructed or selected for use with this instrument, in order to pass a large amount of light, and produce a flat and clearly-defined image on the screen.

These instruments, unlike those described on the previous page, require a special lantern front, with 5-in. quadruple condensers, and hence are only intended for use with lanterns where the ordinary lantern front is entirely removable, as is the case with all our better lanterns.

8385 Wright and Newton’s Projection Microscope, can be fitted to an existing lantern front, using the ordinary lantern condensers in place of the special wide angle quadruple condensers we make for the purpose, but the sacrifice of light is considerable (Fig. 8385)...

8386 Wright and Newton’s Projection Microscope, intended for oxyhydrogen light or arc lamp of moderate power, complete with 5-in. quadruple condensers, water trough and parallelising lens, revolving diaphragm stage, sub-stage condenser fitting with rack adjustment, coarse and fine adjustments for focussing, adapter with R.M.S. standard screw for objectives, one sub-stage condenser, but without objectives, in polished case...

This instrument is most satisfactory and can be fitted to any good optical lantern, provided the existing brass front can be easily removed. It is intended for magnifications up to 2,000 diameters or so, but is not intended for use with immersion lenses.

8387 Polarising Appliances can be fitted to the above microscope if required for exhibiting microscopic objects by polarised light, with rotating polarising prism sufficiently large to exhibit a clear field; ⅜-in. diameter, also with rotating analyser, &c....

8388 Convergent System fitted to above, for showing high-angle crystals on the screen...

8389 Rotating Selenite Stage for above, with two large selenites...
### APPARATUS FOR USE WITH THE PROJECTION MICROSCOPE.

**Objectives.**—For low-power work the series of objectives on page 57 will be found very suitable; of these lenses the official report in the Royal Microscopical Society’s Journal says: “It was specially remarked that even with the higher powers the images were shown with perfect sharpness of definition.

For convenience we reprint the list of these objectives, with the addition of the higher-power lenses suitable for use with these powerful microscopes.

<table>
<thead>
<tr>
<th>Objective</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8890</td>
<td>Objective for large objects</td>
<td>£1 1 0</td>
</tr>
<tr>
<td>8891</td>
<td>3-in. achromatic objective</td>
<td>£1 0 8</td>
</tr>
<tr>
<td>8892</td>
<td>2-in. achromatic objective</td>
<td>£1 2 0</td>
</tr>
<tr>
<td>8893</td>
<td>1½-in. achromatic objective</td>
<td>£1 5 0</td>
</tr>
<tr>
<td>8894</td>
<td>8-10ths achromatic objective</td>
<td>£1 7 6</td>
</tr>
</tbody>
</table>

**Sub-Stage Condensers.**—These are absolutely necessary in the lantern microscope, according to the powers used.

<table>
<thead>
<tr>
<th>Condenser</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8899</td>
<td>No. 1, sub-stage condenser in cell for low power, and 3-in. objectives</td>
<td>£0 8 6</td>
</tr>
<tr>
<td>8900</td>
<td>No. 2, sub-stage condenser in cell, for powers from 2 in. to 4-10ths</td>
<td>£0 8 6</td>
</tr>
<tr>
<td>8901</td>
<td>No. 3, sub-stage condenser in cell, for ½-in. and ¾-in. objectives</td>
<td>£0 17 6</td>
</tr>
<tr>
<td>8902</td>
<td>No. 4, sub-stage achromatic condenser in cell, for ¾-in. to ¼-in. dry objectives</td>
<td>£1 7 6</td>
</tr>
<tr>
<td>8903</td>
<td>No. 5, same as No. 4, with extra front for immersion objectives</td>
<td>£1 12 6</td>
</tr>
<tr>
<td>8904</td>
<td>No. 6, sub-stage double achromatic condenser, with Iris diaphragm and 3 extra fronts for immersion objectives of various angles (intended only for the microscopes on pages 61 and 62)</td>
<td>£3 10 0</td>
</tr>
</tbody>
</table>

**Amplifiers.**—These are special concave lenses fitted to work in connection with the microscope objective, and possessing the unique advantage of increasing the magnification without reducing the field.

<table>
<thead>
<tr>
<th>Amplifier</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8905</td>
<td>Amplifier No. 0 in cell</td>
<td>£0 9 0</td>
</tr>
<tr>
<td>8906</td>
<td>No. 1</td>
<td>£0 9 0</td>
</tr>
<tr>
<td>8907</td>
<td>Amplifier No. 2 in cell</td>
<td>£0 9 0</td>
</tr>
<tr>
<td>8908</td>
<td>No. 3</td>
<td>£0 9 0</td>
</tr>
</tbody>
</table>

**Projection Eye-pieces.**—These are also intended to increase the magnification, but at the expense of diminishing the field. Where very fine resolution is required, however, they are to be preferred to working either with the objective alone or in connection with an amplifier.

<table>
<thead>
<tr>
<th>Eye-piece</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8912</td>
<td>Achromatic Eye-pieces with large field specially corrected for screen work. Nos. 1, 2, and 3 magnifying 1½, 3, and 5 diameters respectively</td>
<td>£1 17 6</td>
</tr>
<tr>
<td>8913</td>
<td>Body Tube for use with eye-pieces, long or short</td>
<td>£0 15 0</td>
</tr>
<tr>
<td>8914</td>
<td>Extra Carriers for Objectives (useful for rapid change of powers)</td>
<td>£0 3 6</td>
</tr>
<tr>
<td>8915</td>
<td>Double Nose-piece, for rapidly changing powers</td>
<td>£0 10 6</td>
</tr>
<tr>
<td>8916</td>
<td>Ditto, Triple</td>
<td>£0 18 6</td>
</tr>
<tr>
<td>8917</td>
<td>Small Square-ended Analyser, for use with eye-pieces for polariscope work</td>
<td>£2 5 0</td>
</tr>
<tr>
<td>8918</td>
<td>Spot Lens for use with 4-10ths objective, in cell, for showing foraminifers or other objects on a dark ground</td>
<td>£0 17 6</td>
</tr>
<tr>
<td>8919</td>
<td>Lieberkuhn for opaque objects</td>
<td>£1 1 0</td>
</tr>
<tr>
<td>8920</td>
<td>Live Cage, large size, specially made with flush foundation plate for exhibiting live insects, animalcule in water, &amp;c.</td>
<td>£0 12 0</td>
</tr>
<tr>
<td>8921</td>
<td>Glass Troughs for pond life, &amp;c.</td>
<td>£1 3. 6d. to £0 3 6</td>
</tr>
<tr>
<td>8922</td>
<td>Frog Plate for showing circulation of blood in living frog, special pattern for use with Lantern Microscope</td>
<td>£0 17 6</td>
</tr>
<tr>
<td>8923</td>
<td>Glass Tank, with platinum electrodes, for electrolytic crystallisation</td>
<td>£0 15 0</td>
</tr>
</tbody>
</table>

Microscopic objects for use with projection microscopes. A large number of botanical, pathological, and entomological slides, specially selected for projection, always in stock.
NEWTON & CO., Opticians to the Royal Family,

COMPLETE LANTERNS FITTED WITH PROJECTION MICROSCOPES.

8424 Complete Optical Lantern Microscope, for lime light, with mahogany body, best quality double pressure oxyhydrogen jet, projection microscope No. 8386, &c., complete in two cabinet cases, as supplied to Cambridge and other universities £27 0 0

This is intended for microscopic projection only; if it is required also for use on an optical lantern, an additional brass front will be required.

8425 Brass Optical Front for the above purposes for exhibiting diagrams and lantern slides on the screen, with best 4-in. double condenser and Newton's new lime-light achromatic front lens with rack adjustment 5 10 0

MICROSCOPIST'S BI-UNIAL LANTERN.

8430 The Microscopist's Bi-unial Lantern. This lantern has been specially designed for use with the projecting microscope, designed by Lewis Wright, Esq. The lower lantern has a brass front, and 5-in. quadruple condenser, to which the microscope is attached. When this is being used, the top lantern, which is fitted with an ordinary optical lantern front, can be used for showing photo-micrographs, or drawings of microscopic objects. Removing the microscope, a 5-in. parallel beam is procurable, for physical and other experiments, while the upper lantern may be used for showing diagrams, &c. There is also a second optical lantern front supplied with the instrument, which is intended to replace the 5-in. front on the bottom lantern, when required for showing dissolving views. The lantern body is of polished mahogany, and the entire fronts are solid brass and of best workmanship (Fig. 8430). Complete, with microscope No. 8386, pair of optical fronts, dissolving tap, and two double-pressure oxyhydrogen jets (No. 8102), packed in 2 cases £41 0 0
WRIGHT & NEWTON'S PROJECTION MICROSCOPE
AND MICRO-POLARISCOPE.

FOR USE WITH POWERFUL ARC LAMPS AND
HIGH-POWER OBJECTIVES.

These instruments are similar to the foregoing, but are larger and provided with
more elaborate adjustments for very high powers. They are the most satisfactory instru-
ments for screen projection with both high and low powers yet devised. The water trough
is 3 in. wide, so as to afford ample protection to even the most delicate slides from the
heat; the sub-stage condenser is provided with centring adjustments, and the fine focussing
adjustment is extremely sensitive and rigid.

With this microscope histological and pathological objects are most admirably shown,
and even such objects as bacteria can be most successfully exhibited for class demonstra-
tion, using 1 in. or 1/2 in. immersion objective, and a projection eye-piece.

Accessories for these instruments will be found on page 59.
ELECTRIC LANTERN MICROSCOPE AND MICRO-POLARISCOPE.
(WRIGHT & NEWTON'S PATENT.)

FOR
HORIZONTAL
AND
VERTICAL
PROJECTION.

8433 Patent Electric Lantern Microscope and Micro-Polariscope, as No. 8431, but arranged for vertical projection. This instrument can be used just like No. 8431, and can also be turned up vertically so that objects which have to be kept horizontal, such as fresh cut histological or pathological specimens, or tanks containing minute living organisms, can be projected on the screen. It is fitted with a specially designed form of reflecting prism which makes it unnecessary to move the lantern at all when changing from the vertical to the horizontal position (Fig. 8433) £80 0 0
NEWTON'S PATENT
TRIPLE ROTATING ELECTRIC LANTERN.
As now in use at The Royal Society, The Royal Institution of Great Britain, and
The Royal Dublin Society, &c.

ELEVATION.

This is the most perfect electric lantern made, being of the very highest class of
workmanship throughout, and specially designed for every sort of optical work.
The body is cylindrical, and constructed entirely of bronzed brass, mounted on 4 brass
pillars and mahogany stand.
The base is fitted with Newton's patent traversing table, which has screw motions
travelling in gun-metal dovetails, &c., thus admitting of the arc light being centred
and kept absolutely central during use.
The traversing table is made entirely of polished gun-metal and steel, and very
steady motions in every direction are obtained by the large milled heads.
The arc light is kept in its position, and the body of the lantern is rotated by means
of the handles bringing each front in turn opposite the fixed light, thus obviating the
necessity of constant adjustments and enabling any front to be used at a moment's notice
without delay or trouble. A check action is provided to insure exact centring.
The lantern body is furnished with 3 doors and sight holes, so that whichever
optical system may be in use, there is always a door immediately behind the lamp, and
a dark-glass sight hole in front, through which the arc may be observed.

A sectional plan of this instrument is given on the next page.

8434 Triple Rotating Lantern, as above, complete, with optical front (No.
8446), slit and diaphragm front (No. 8453), and projection microscope
(No. 8431), but without arc lamp

For Arc Lamps for these lanterns, see page 68.
NEWTON'S PATENT
TRIPLE ROTATING ELECTRIC LANTERN.

The above plan shows the general arrangement of the Triple Rotating Lantern shown in elevation on page 68, Fig. 8434.

There are three fronts, each carrying an optical system, placed at angles of 120 degrees to each other, and the rotating movement brings up each as desired in front of the fixed light.

One of these fronts is fitted with a 4½-in. double condenser for parallel beam work, and with diaphragm and slit fronts.

A second front carries also a 4½-in. condenser with slide stage and double achromatic objective for exhibiting ordinary slides and diagrams, or if preferred the suspended front shown in Fig. 8436, page 66, can be supplied instead for 42s. extra.

Either of these fronts will carry, if desired, a polariscope, a Wright’s optical front, No. 8494, page 71, a small parallel-beam nozzle, No. 8522, page 72, or a vertical attachment, No. 8459, page 68.

The third front is fitted with Wright and Newton’s patent electric microscope and micro-polariscpe mentioned on page 61, No. 8481.

All the fronts are detachable and interchangeable, and any other apparatus that is desired can be used in place of them.

This form of lantern has already been supplied to The Royal Society, The Royal Institution, The Royal Dublin Society, The Santa Clara College, California, St. Louis University, The McGill University, Montreal, The Government School of Practical Science, Toronto, The Leland Stanford, Jr., University, Cambridge University, Edinburgh University, Glasgow University, Trinity College, Dublin, Queen’s College, Galway, The Royal Infirmary, Glasgow, The Government Electrical Engineering College, Chatham, The Indian Government, The University of Havana, Manchester Municipal School of Technology, The Education Department, Toronto, Canada, Sir David Salomons, Bart., Sir Andrew Noble, C.B., Lord Armstrong, &c.

Of this Lantern Mr. Lewis Wright, in his “Optical Projection,’ says: “This form of Lantern is the most complete, convenient, and powerful instrument for scientific demonstration with which I am acquainted.”

Mr. T. C. Hepworth, the author of the “Book of the Lantern,” says: “This lantern presents the most complete and perfect projection apparatus ever devised, and is designed principally for use in Science Schools and Colleges. One feels inclined to envy the teacher who has this cylindrical lantern at his elbow with which to illustrate his remarks.”

Note.—The lantern can if necessary be used with the lime light.
NEWTON'S PATENT TRIPLE ROTATING ELECTRIC LANTERN.

The above illustration shows the Bronzed-Brass-bodied Lantern described on pages 63 and 64 fitted with a suspended front, with 4½-inch condenser, and 6-inch rack front in place of the ordinary optical front, and a vertical attachment in place of the microscope front. The third front is fitted with 4½-inch condenser, adjusting slit and diaphragm for parallel beam work.

This arrangement is recommended for those who require the most complete apparatus possible for scientific projection, but do not need to project microscopic objects.

This form of suspended front was designed by Sir David Salomons, Bart., for whom the first one was made. The advantages of this arrangement are that apparatus can be conveniently placed between the condenser and the focussing lens, while the latter can be readily adjusted to the required distance, and that the lens and suspension rails can be removed in an instant, leaving the 4½-inch condenser free for parallel beam work, with a stage in front of it to carry an alum trough if desired.

8435 Triple Rotating Electric Lantern, complete with suspended front for apparatus and slides, vertical attachment No. 8450, slit and diaphragm front, and traversing table but without electric lamp, Fig. 8435 . . . £67 0 0
SQUARE PATTERN ELECTRIC LANTERN.
(NEWTON'S PATENT.)

No. 8436.

This lantern is constructed for very much the same work as the triple rotating lanterns described on the previous pages, but is not made to rotate and is only fitted with one aperture, so that only one optical front can be mounted at a time. Fronts for other purposes, such as for vertical or microscopic projection, can, however, be made to interchange as required.

The lantern consists of a square body of polished mahogany lined with iron on 4 brass pillars and solid base. It is fitted with the same gun-metal traversing table as the triple rotating lantern, giving free movement in every direction. The body is made very solid and of well-seasoned wood, and is strongly brass-bound to bear the great heat and the weight of any heavy apparatus it may be necessary to attach to the front.

The lantern (as illustrated above) is fitted with a 4½-condenser and suspended front carrying the rack focussing lens, so that apparatus or slides can be readily exhibited, or the focussing lens and suspension rails can be instantly removed, and the condenser left free for parallel beam work with a stage in front to carry an alum trough if desired. This form of front admits of apparatus being readily placed between the condenser and front lens for projection on the screen.

8436 Square pattern Electric Lantern, complete with suspended front, and traversing table but without electric lamp (Fig. 8436) . . . £32 10 0

These square pattern electric lanterns have been supplied to Cambridge University; University College, London; University College, Liverpool; Leiden University; The Durham College of Science; Nörrköping Technical School; The Goldsmiths' Company's Institute; The Chemical Society; The University of Ghent; The Schools of Science and Art, Maidstone, The Harpur Trust, Bedford; The University of Adelaide, South Australia, &c.
ELECTRIC PROJECTING MICROSCOPE AND MICRO-POLARISCOPE.

(WRIGHT AND NEWTON'S PATENT.)

No. 8437.

Patent Electric Lantern Microscope and Micro-Polariscope, consisting of square polished mahogany or teak body, on brass pillars and solid base, lined with iron. Wright and Newton's patent electric microscope, fitted with quadruple 5-in. primary condensers, large alum cell, rotating divided stage, removable diaphragms, coarse and fine focussing adjustments, rotating polarising prism, arranged to throw in and out of gear instantly, analysing prism in rotating divided mount, double convergent system for exhibiting rings and brushes in wide-angle crystals, and long body tube for projection with eye-pieces.

This is the same lantern as the preceding, but is fitted with the projection microscope instead of the suspended front.

8437 Square Pattern Electric Lantern, as above, complete with traversing table, projecting microscope and micro-polariscope, as No. 8431, but without electric lamp ... £95 0 0

8438 Brass Optical Front fitted to the above lantern for showing lantern slides and diagrams, &c., with 4½-in. condenser and 6-in. rack-front lens, as supplied to the South Kensington Royal College of Science ... 6 16 6

For Brass-Bodied Electric Lanterns, see pages 63-65.

TRAVERSING TABLE.

8438a Newton's Patent Traversing Table for centring the arc light and keeping it centred. This apparatus, which is shown fixed to the lantern base in Figs. 8434, 8435, 8436, and 8437, pages 63 to 67, supports the arc lamp and enables the operator to centre the light instantly if at all out of the optic axis. The motions are in gun-metal dovetails, and are very steady and rigid. This table can be fitted to any electric lantern ... 10 10 0
ARC LAMPS FOR THE LARGE ELECTRIC LANTERNS.

We can fit these large electric lanterns with either hand or automatic feed arc lamps, as required.

8439 Special Hand-feed Arc Lamp for the large electric lanterns, this lamp can also be arranged for projecting spectra on the screen. £6 6 0

The "Oliver" Automatic Arc Lamp. This lamp is also specially designed for our large lanterns. It is extremely steady in its action and can be relied on to a far greater extent than is the case with automatic arc lamps for small lanterns, in which the movements are necessarily somewhat cramped.

8440 The "Oliver" Automatic Arc Lamp, as above, constructed to carry 10-15 amperes. £12 12 0

8441 Special Carbons for ditto per pair 0 0 6

8442 Electric Spectrum Burner to fit traversing table of the electric lanterns Nos. 8434 to 8437, with rotating holder to carry 4 carbons so as to project spectra of 4 different metals, without waiting for the carbon holders to cool. £5 5 0

8443 Carbons for No. 8442, various forms for sodium line reversals and spectra of lithium and other refractory metals, 1s. 6d. each, per doz. 0 15 0

For Arc Lamps for small lanterns, see pages 31 & 32.

8444 Limelight Spectrum Burner with carbon cone for use in the lantern, for showing line spectra with salts of various metals. £3 10 0

8445 Carbon Cones for the above for using the different salts per doz. 0 12 0

OPTICAL FRONTS FOR LARGE ELECTRIC LANTERNS.

For convenience of purchasers we append a list of the principal optical fronts, &c., catalogued on the preceding pages in connection with our large electric lanterns, and also extra fronts which can be added at any time. In purchasing these lanterns any of these fronts can be substituted, or left out altogether, at the corresponding difference in price.

8446 Brass Optical Front for ordinary slide projection, fitted with 4½-in. condensers, 6-in. double achromatic front lens in rack mount, &c. £6 16 6

8447 If this front is required fitted with an 8-in. or 10-in. front lens, the cost will be increased by 0 10 6

8448 Suspended Front, as figured on lantern Fig. 8436, fitted with 4½-in. condensers and double achromatic front lens of 6-in., 8-in., or 10-in. focus. £8 8 0

This front is specially designed for use when scientific demonstration as well as lantern-slide projection is required.

8450 Vertical Attachment for electric lanterns for exhibiting objects that must be kept horizontal, or for showing diagrams on the screen while they are being drawn, shown on lantern Fig. 8435, with 5-in. condenser, focusing lens and reflecting prism, made entirely in brass, complete, as supplied to the Royal Institution. £15 0 0

Note.—The lantern condensers are not required when this instrument is used.

8451 Circular Glass Tanks, 4½-in. in diameter, on square glass plate, solid. For use on the vertical attachment £0 5 6

8452 Electric Spectrum Front to fit any of the electric lanterns, with platinum slit and achromatic focussing lens in rack mount, arranged so that the slit works close against the arc, as supplied to the Royal Institution. £5 15 6

Note.—With this arrangement nothing is required except to place the bisulphide prism in front of the lens.

8453 Slit and Diaphragm Front, to work in connection with bisulphide prisms, diffraction gratings, &c., with 4½-in. condensers, complete. £6 16 6
PHOTOGRAPHIC ENLARGING LANTERNS.

Enlarging Lantern.—Body of mahogany, metal lined, with extending bellows front, mounted on stout mahogany board, and fitted with best quality double plano-convex condensing lenses, for use with oil, lime light, or electric. This form is most suitable for the large condensers. (Fig. 8460). As supplied to the Polytechnic School of Photography, &c.

Prices without front lenses

8460 8-in. diameter .. .. £11 0 0 | 8462 12-in. diameter .. .. £21 10 0
8461 9-in. " .. .. 12 0 0 | 8463 15-in. " .. .. 35 0 0

Enlarging Lantern.—The body of the lantern is metal, with a metal cone covering up the condenser to keep all the light in; it has also a metal thrust swing-holder for the negative carrier, leather bellows, and sliding front to the plate that carries the front lens; the whole mounted on a mahogany board with a rack movement for focussing, complete with condenser and rack-front lens (Fig. 8466):

8466 To take ¼-plate negative with 5¾-in. condenser and portrait lens .. .. £4 0 0
8467 " postcard " 6½-in. " .. .. 5 0 0
8468 " ¼-plate " 8½-in. condenser, &c. .. .. 7 0 0

The above lantern can be used with lime or electric light.
PHOTOGRAPHIC ENLARGING LANTERNS.

Enlarging Lantern, as Fig. 8475, fitted with oil lamp or incandescent gas:

- **8475** To take 3/4-plate negative, condenser 5 1/2 in. ... ... ... £4 0 0
- **8476** 5 × 4 " " 6 1/2 in. ... ... ... 5 0 0
- **8477** 1/4-plate " " 8 1/2 in. ... ... ... 7 0 0

No. 8478. Newton's Patent Improved Enlarging Lantern, with best quality double condensing lenses, double combination front lenses of large diameter fitted with ruby cap and specially flat field, fitted with "Newtonian" patent 4-wick lamp (No. 8075) for burning any mineral oil (Fig. 8478). Complete in case, as above, 4-in. condenser... ... ... £4 18 6

This lantern can also be used as an ordinary lantern for projection.
ABRIDGED LIST.

APPARATUS FOR PHYSICAL DEMONSTRATION
ON THE SCREEN.

We make a great quantity of apparatus for screen demonstration, full details of which will be found in the optical section of our Catalogue of Physical Apparatus (Cat. No. 2). It would be impossible in these pages to attempt anything like a complete list or full description of such apparatus, and intending purchasers are invited to apply for the No. 2 list, which will be sent post free on request. It may, however, be of interest here to append a very abridged list of instruments most commonly inquired for, although the greater number even of these will be found more fully described in the physical list.

The best and most comprehensive work on Science teaching and demonstration with the lantern is

8480 "Optical Projection, a treatise on the use of the lantern in exhibition and Scientific Demonstration," by Lewis Wright; fourth edition, revised by Russell S. Wright; published by Longmans at 6s. Nett 4s. 6d. Post free £0 4 10

This contains separate chapters on the use of the lantern in connection with Physics, Sound, Heat, Chemistry, Magnetism, Electricity, Physiology, Spectra, Interference Polarization, Colour, Microscopy, &c., &c.

DIFFRACTION GRATINGS FOR PROJECTION.

The Gratings mentioned below ruled on glass are intended for demonstration purposes. They are not sufficiently accurate for measurements. For this purpose a photographic grating such as No. 8486 should be used.

8481 Circular Diffraction Gratings ruled on glass with diamond point, 2\(\frac{1}{2}\) in. in diameter, suitable for projection, showing most brilliant circular spectra on the screen. 1240 or 1372 lines to the inch £0 15 0

8482 Circular Diffraction Gratings. 5488 or 7400 ditto. 1 1 0

The circular grating with 5488 lines is recommended as best for projection.

8483 Straight-Line Diffraction Gratings ruled on glass with diamond point, suitable for projection, showing most brilliant spectra on the screen, 3000 lines to the inch 1 1 0

8484 Circular Diffraction Gratings, small size, for hand use, ruled on glass with diamond points. 2000 lines to the inch, with descriptive pamphlet 0 2 6

8485 Circular Diffraction Gratings, as above. 7400 lines to the inch, with descriptive pamphlet 0 5 0

8486 Photographic Diffraction Gratings, straight line. This is a photographic copy of a Rowland's Grating, 14,435 lines to the inch 1 1 0

8487 Photographic Diffraction Gratings, straight line. Small size, by Prof. R. W. Wood 0 7 6

APPARATUS FOR USE
WITH SCIENTIFIC LANTERNS.

8488 Brass Diaphragm Front, adjusting tube and rotating diaphragm £0 13 0

8489 Brass Slit Front with adjusting tube and adjusting slit 0 15 0

8490 Brass Slit Front, for lantern, with fine screw adjustments for regulating length and width of slit 2 2 0

8491 Bottle Prism, for bisulphide of carbon, on adjusting stand 0 18 6

8492 Focussing Lens, 4 in. diameter, on adjusting stand 0 17 6

8493 Plate of Chance's Signal Green Glass for stopping red rays, 3\(\frac{1}{4}\) in. square 0 0 4

8494 Wright's Optical Front, fitted to any lantern 2 10 0

8495 Brass Adjusting Slit, for use with No. 8494 0 15 0

8496 Brass Adjusting Slit, for use with No. 8494, with fine screw adjustments for regulating length and width of slit 1 17 6

8497 Brass Diaphragm Plate, for use with No. 8494 0 5 0

8498 Metal Screen on Stand, black one side, white the other, for receiving images or stopping off light 0 10 6

8499 Ground Glass Screen, for receiving images, on adjusting stand 0 10 6
APPARATUS FOR USE WITH SCIENTIFIC LANTERNS.

Continued.

8504 Rotating Stand, with adjusting platform, to support lantern and experimental apparatus £1 5 0

8505 Wright's Refraction Trough, for experiments in refraction and total reflection 1 1 0

8506 Air Lenses of Hollow Glass, to show that when plunged in a tank of water a concave air lens acts like a convex glass lens does in air, and a convex air lens acts like a concave glass lens does in air. 3 in. diameter convex and concave each 0 10 6

8507 Semi-Cylindrical Hollow Trough, for filling with various liquids, for experiments in refraction, 3 in. diameter 1 1 0

8508 Semi-Cylinder of Solid Glass, for use as above, 4 in. diameter 3 3 0

8509 Luminous Cascade with 6 feet of large india-rubber tube for illustrating total reflection 0 17 6

8510 Glass Bulb for showing rainbow experiment with the lantern 0 0 6

8511 Bunsen's Universal Clamp 0 7 6

8512 Adjusting Table Stand on foot 0 8 6

8513 Universal Rod Stand, with adjusting fittings for holding prisms, mirrors, lenses, &c., vertically and horizontally 0 10 0

8514 Dense Flint Prism, face 2 in. by 1 in., mounted to fit rod stands 0 12 6

8515 Interference Prism, large size, mounted with screen to fit rod stands 0 17 6

8516 Plane Mirror, 5 in. by 4 in., mounted to fit rod stands 0 6 6

8517 Focussing Lens, 4 in., mounted with metal screen to fit rod stands 0 12 6

8518 Focussing Lens, 5 in., mounted with metal screen to fit rod stands 1 1 0

8519 Convex Mirror, 6 in. (common), fitted to rod stand 0 5 6

8520 Concave Mirror, 6 in. (common), fitted to rod stand 0 5 6

8521 Parallel-Beam Nozzle for giving a powerful parallel beam about 2 in. in diameter, with adjusting tube 2 2 0

8522 Parallel-Beam Nozzle for giving a powerful pencil of parallel light about half an inch in diameter 1 17 6

8523 Direct Double Reflecting Projector, for use with any lime-light lantern, for showing horizontal opaque experiments on the screen by reflected light, fitted with adjustable focussing lens 3 10 0

8524 Lantern Phonedioscope for showing the vibrations produced by sound waves in a soap film, for use with projector (No. 8523) The images thrown by this and by Nos. 8562, 8563, and 8564 are projected in a line with the lantern, so that the lantern is not required to be at an angle with the screen.

The images thrown by this and by Nos. 8562, 8563, and 8564 are projected in a line with the lantern, so that the lantern is not required to be at an angle with the screen.

No. 8528.

8525 Newton's Colour Disc, with multiplying wheel, arranged for showing composition of white light with the lantern 2 10 0

8526 Oscillating Reflector fitted to same multiplying wheel for re-composing the spectrum into white light on the screen 2 10 0

8527 Cylindrical Lens, in brass mount, with screen, for re-composing spectrum, fitted for rod stand 1 10 0

8528 White Light Slide for showing the composition of white light on the screen (Fig. 8528) 0 12 6

8529 Set of Mirrors, for re-composing the spectrum into white light on the screen, fitted on brass stand, with universal joint to each mirror 2 0 0
APPARATUS FOR USE WITH SCIENTIFIC LANTERNS. Continued.

8532 Opeidoscope. For showing on the screen the figures formed by the vibration of thin membranes set in motion by the human voice or other sounds, made to fit the rod stands, with 3 extra membranes £1 5 0

8533 Crova's Disc mounted for use with the lantern, 13-in. diam., with 4 ½-in. slit, for showing progression of waves of light and sound. Very effective. The circles are photographed so as to be perfectly transparent on an intensely black ground, and are very accurate, Messrs. Newton & Co. having constructed a special machine for ruling the original (Fig. 8533) 1 7 6

8534 Wright's Wave Slide for showing the motion of light and sound waves and retardation of wave vibrations on the screen (Fig. 8534) £0 15 0

8535 Dorman’s Sound Wave Slide for showing the motions of particles in a sound wave; 4 lines of wave motion are shown travelling outwards at right angles to each other as from a bell (Fig. 8535). 0 8 6

Mosses. Newton & Co. have the sole right of making the above.

8536 Wheel of Life Slide showing figures, animals, &c., in motion on a screen, illustrating persistence of vision, with adjustment and jockey wheel for keeping bands taut 0 12 6

8537 Extra designs for the above each 0 1 6

8538 Benham’s Top Slide (Fig. 8538) 0 10 6

This slide has been designed to show on the screen the curious colour effects described by Mr. Benham, of Colchester. Black lines on a white disc when rotated appear red, yellow, green and blue, according to their relative positions, though each one is the same proportion of its own circle, i.e., one-eighth. On reversing the rotation the colours are all reversed. This should be shown by lime or electric light on a small disc, it is then very effective.

Mosses. Newton & Co. have the sole right of making the above.

8539 Lantern Pentagraph Slide for writing or drawing figures on a black ground while in the Lantern 0 15 0
APPARATUS FOR USE WITH SCIENTIFIC LANTERNS.

Continued.

8543 Cheshire’s Sound Wave Disc Slide (Fig. 8543) .... £0 18 6

This slide, invented by Mr. Frederic J. Cheshire, of the Birkbeck Institution, London, and described in Nature for 1892, shows the mode of vibration of the particles in stationary wave systems such as those occurring in organ pipes, rods vibrating longitudinally, &c. By using different lengths of the slit the way in which the vibrating column divides up into nodes and loops when the different overtones are being produced is illustrated. The vibrations in a closed organ pipe, in an open organ pipe, the first overtone in closed and open pipes, the vibration of a rod clamped at one end, at both ends, and in the middle can all be readily shown.

8544 Woodward’s Interference Wave Slide, showing two wave surfaces upon the screen; when in the same phase they reinforce, and when in opposite phase they destroy one another (Fig. 8544) .... 1 1 0

8545 Eidotrope. Two rackwork revolving perforated metal discs, giving a great variety of patterns (Fig. 8545) .... 0 8 6

8546 Kaleidotrope of perforated metal, giving various designs, dependent on persistence of vision, when revolved (Fig. 8546) .... 0 5 0

8547 Ditto with extra metal disc .... 0 6 0

8548 Anorthoscope Slide (Fig. 8548) .... 1 7 6

This slide exhibits on the screen the same effect as the table anorthoscope, five symmetrical images produced from one distorted image by means of a rotating disc with four slits, with adjustment and jockey wheel for keeping bands taut.

8549 Extra designs for the above, 8 different, each .... 0 2 6

8550 Gorham Colour Top Slide, giving various colouring to a design which is multiplied by a slotted rotating disc, the colours changing on the screen, with adjustment and jockey wheel for keeping the bands taut (Fig. 8550) .... 1 7 6

8551 Extra designs for the above, 5 different, each .... 0 2 6

The above was designed by Sir David Salomons, Bart.
### APPARATUS FOR USE WITH SCIENTIFIC LANTERNS.

Continued.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8568</td>
<td>Horse Shoe Magnet, for use with erector, to show lines of force</td>
<td>£0 10 0</td>
</tr>
<tr>
<td>8569</td>
<td>Bar Magnet, mounted for use with erector, to show lines of force</td>
<td>0 10 0</td>
</tr>
<tr>
<td>8570</td>
<td>Pair of Bar Magnets, mounted parallel, for use with erector, poles reversible</td>
<td>0 12 6</td>
</tr>
<tr>
<td>8571</td>
<td>Magnetic Needle, mounted on graduated circle, transparent, for use with erector</td>
<td>0 15 0</td>
</tr>
<tr>
<td>8572</td>
<td>Electroscopoe, Condensing, with flat sides for projection (Fig. 8572)</td>
<td>1 2 6</td>
</tr>
<tr>
<td>8573</td>
<td>Electrical Apparatus for projecting by the shadow method, showing the unequal distribution on variously shaped conductors</td>
<td>0 2 0</td>
</tr>
<tr>
<td>8574</td>
<td>Electric Bell Slide, showing the actual working parts of an electric bell on the screen. The bell can be worked by a small current</td>
<td>0 12 6</td>
</tr>
<tr>
<td>8575</td>
<td>Dead-beat Voltmeter in the form of a lantern slide, to work with any lantern. Will measure voltage of either direct or alternating currents from 20 to 110 volts</td>
<td>6 16 6</td>
</tr>
<tr>
<td>8576</td>
<td>Dead-beat Ammeter in the form of a lantern slide, to work with any lantern. Will measure direct or alternating currents 1 to 10 amperes</td>
<td>6 16 6</td>
</tr>
</tbody>
</table>

The above two instruments are designed by Major Holden, R.A., of Woolwich Arsenal, and can be made to suit any other range that may be required.

| No. 8577 | Oersted's Experiment, showing the deflections of a magnetic needle under the influence of electric current, for use with erector | £1 0 0     |
| No. 8578 | Plateau's Experiment, illustrating Saturn's Rings. Small rotating disc and wheel, mounted on heavy stand for use with the erector | 2 2 0      |
| No. 8579 | Cubical Tank for ditto                                                      | 1 5 0      |

Any of the apparatus for use with the Erector or Vertical Apparatus can be used with the Scientist's Bi-undials, pages 54 and 55, or with the Demonstrator's Lanterns, pages 46-49, or the Cylindrical Electric Lantern, page 50, without a separate Erector.

| No. 8580 | Newton's Rings Apparatus, for showing the phenomena of Newton's rings on the screen, mounted on adjusting stand | 0 18 6     |
| No. 8581 | Lantern-Slide Galvanometer, £1 5s. more sensitive                           | £3 3 0     |
| No. 8582 | Electro-Magnet Lantern Slides with removable core for showing action of electro-magnet on the screen (Fig. 8592) | 0 10 6     |
| No. 8583 | Saxby's Optical Tuning Fork, for demonstrating the strain or stress set up in glass by acoustic vibration | 1 1 0      |
| No. 8584 | Fletcher's Artificial Sunset, for producing on the screen the colour changes of the setting sun by the action of fine dust upon light | 3 3 0      |
### APPARATUS FOR USE WITH SCIENTIFIC LANTERNS.  
*Continued.*

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8590</td>
<td>Collision Ball Slide, for use in an ordinary lantern (Fig. 8590)</td>
<td>£2 12 6</td>
</tr>
<tr>
<td>8591</td>
<td>Electrolytic Tank for showing on screen decomposition of water by electric current, large size with collecting tubes and platinum electrodes (Fig. 8591)</td>
<td>0 16 6</td>
</tr>
</tbody>
</table>

The tubes, etc., can be removed and the tank used for other experiments when required.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8592</td>
<td>Capillary Tubes, for use with tank, (Fig. 8592) to show capillarity</td>
<td>0 3 0</td>
</tr>
<tr>
<td>8593</td>
<td>Capillary Plates, ditto ditto (Fig. 8593)</td>
<td>0 3 0</td>
</tr>
<tr>
<td>8594</td>
<td>Chemical Tank, brass plates in wood frame</td>
<td>0 8 6</td>
</tr>
<tr>
<td>8595</td>
<td>Glass Tank, 8(\frac{1}{2}) x 4 x 3</td>
<td></td>
</tr>
</tbody>
</table>

### FLUORESCENCE AND PHOSPHORESCENCE.

A most effective series of experiments can be done under these heads by the aid of any ordinary lantern. Suitable objects placed in the path of the invisible rays transmitted by the ultra-violet screen fluoresce brilliantly, or in the path of the blue rays transmitted by the blue glass screen still more intensely, but as the ultra-violet rays are quite invisible the former is the more striking experiment.

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8601</td>
<td>Ultra-Violet Screen (Prof. W. R. Wood)</td>
<td>£1 1 0</td>
</tr>
<tr>
<td>8602</td>
<td>Blue Glass Screen</td>
<td>0 5 6</td>
</tr>
<tr>
<td>8603</td>
<td>Tubes of Fluorescing Liquids for use with the above, 3 colours, each</td>
<td>0 3 6</td>
</tr>
<tr>
<td>8604</td>
<td>Willemite, Fluor Spar, etc.</td>
<td>0 3 6</td>
</tr>
<tr>
<td>8605</td>
<td>Bar of Uranium Glass</td>
<td>0 3 6</td>
</tr>
<tr>
<td>8606</td>
<td>Cell of Nitrate of Uranium</td>
<td>0 2 6</td>
</tr>
<tr>
<td>8607</td>
<td>Plate of Didymium Glass, showing fluorescence or absorption spectrum</td>
<td>0 15 0</td>
</tr>
<tr>
<td>8608</td>
<td>Three Cubes of Uranium and didymium glass and fluor spar, fluorescing green, red, and blue, in case</td>
<td>2 0 0</td>
</tr>
<tr>
<td>8609</td>
<td>Cube of Uranium Glass, larger</td>
<td>0 12 6</td>
</tr>
<tr>
<td>8610</td>
<td>Cube of Fluor Spar, showing blue fluorescence</td>
<td>1 1 0</td>
</tr>
<tr>
<td>8611</td>
<td>Cube of Sapphirine Glass, showing red fluorescence</td>
<td>0 15 0</td>
</tr>
<tr>
<td>8612</td>
<td>Phosphorescent Tubes, set of 3, filled with powders, which phosphoresce different colours, in box (if these are held in the lantern beam for a few moments they shine brilliantly in the dark)</td>
<td>0 9 6</td>
</tr>
<tr>
<td>8613</td>
<td>Phosphorescent Tubes, set of 6, filled with powders, which phosphoresce different colours, in box</td>
<td>0 15 0</td>
</tr>
<tr>
<td>8614</td>
<td>Bar of Faraday’s heavy glass to show refraction</td>
<td>1 5 0</td>
</tr>
<tr>
<td>8615</td>
<td>Brass Arrow Diaphragm for use with bar of heavy glass</td>
<td>0 10 6</td>
</tr>
<tr>
<td>8616</td>
<td>Lantern Kaleidophone with metal adjusting table and long steel wire</td>
<td>1 1 0</td>
</tr>
<tr>
<td>8617</td>
<td>Chladni’s Figure Apparatus, fitted to the scientist’s bi-uni-al, shewing the figures direct on the screen</td>
<td>0 17 6</td>
</tr>
</tbody>
</table>
APPARATUS FOR USE WITH SCIENTIFIC LANTERNS.

Continued.

8555 **Kaleidoscope**, for giving an endless variety of patterns and very beautiful effects with the chromatrope, mounted in brass to attach to the front of either lantern, in case (Fig. 8555)  

\[ £2 10 0 \]

8556 **Rackwork Slide**, with pieces of coloured glass for the kaleidoscope  

\[ £0 7 6 \]

8557 **Kaleidoscope**, new pattern, with adjusting mirrors, packed in mahogany case with rotating frame and four interchangeable sets of objects  

\[ £6 6 0 \]

The ordinary Lantern Kaleidoscope although (when properly made and well exhibited), an effective instrument, is, owing to its fixed mirrors, little more than a toy. The new Lantern Kaleidoscope is made much larger, and having the mirrors so fitted that by moving a milled head they can be set at any desired angle while the object is on the screen, becomes at once a scientific instrument of great value in demonstrating to an audience the phenomena of multiple reflection from inclined mirrors, as well as a far more effective and interesting apparatus for use at ordinary lantern exhibitions.

8558 **Pond Life Tank**, for showing water-beetles, water-spiders, &c., on the screen  

\[ £0 8 6 \]

8559 **Glass Tank**, for chemical and other experiments with the lantern, easily taken to pieces for cleaning, or for replacing broken glass sides (Fig. 8559).  

\[ £0 10 6 \]

8560 **Pipette**, with India-rubber ball for use with the above tank  

\[ £0 1 6 \]

8561 **Glass Tanks**, to contain liquids for showing absorption bands, &c., in spectra of blood and various solutions  

\[ £0 3 6 \]

8562 **Erector or Vertical Apparatus**, for use with any optical lantern, for showing transparent or semi-transparent experiments, &c., on the screen when the object is in a horizontal position, with 5-in. stage, 5-in. plano-convex condenser, and achromatic lens with rackwork adjustment for focussing, as supplied to Oxford and Cambridge Universities, &c.  

\[ £3 10 0 \]

This is also very useful for making diagrams with pencil on ground glass, as they can thus be shown on the screen while being drawn.

8563 **Erector or Vertical Apparatus**, special pattern, made for use with the electric lanterns. (See No. 8450, page 68)  

\[ £15 0 0 \]

8564 **Dr. Clay's Wave Ripple Apparatus** for demonstrating on the screen traverse wave movement by means of water waves, consisting of large erecter with 10-in. condensing lens, achromatic focussing lens, reflecting prism diaphragm, counterpoised focussing arrangement, large water tank with models of lenses, prisms, plane and concave mirrors, apertures for obtaining defraction effects, &c. (Fig. 8564)  

\[ £25 0 0 \]

8565 **Pair of Tuning Forks**, with dippers and electro-magnets to keep up a constant vibration, mounted on stands for use with Dr. Clay's wave ripple apparatus  

\[ £3 10 0 \]
PRISMS FOR PROJECTION EXPERIMENTS.

8620 Bisulphide Bottle Prism. 60°
2½ x 1½ in. ........................................ £0 10 0

8621 Bisulphide Bottle Prism. 60°
3½ x 2½ in. ........................................ 0 18 6

8622 Bisulphide Bottle Prism, with large field. 60° in wood frame .................................. 1 1 0

8623 Direct Compound Glass Prism, obviating the necessity of turning the lantern at an angle with the screen .................................. 1 5 0

8624 Direct Compound Bisulphide Prism, in wood case, obviating the necessity of turning the lantern at an angle with the screen .................................. 3 10 0

8625 Direct Cinnamic Ether Prism, with square ends. This gives better definition than the bisulphide prisms .................................. 5 5 0

8626 Bottle of Cinnamic Ether for above .................................................. £1 1 0

8627 Erecting Prisms.
Images of Apparatus projected by the lantern are of course inverted on the screen. This is a great disadvantage in thermometric and some other experiments, but may be overcome by interposing an erecting prism, without deflecting the image. Erecting prisms, silvered and truncated, to obtain the largest possible field with the smallest bulk of glass:
Length 3 inches approximate field 1 x ½ in. ........................................ 1 15 0
4 ........................................ 2 15 0
5 ........................................ 3 15 0
6 ........................................ 7 10 0

8628 Reflecting Prisms (Silvered). These are for use as mirrors where great accuracy of definition is required, as in projecting on the screen or in reversing photographs. They may also be used as erecting prisms.
Size of faces—
2½ inch square ........................................ £0 7 0
1½ inch square ........................................ 60s. 4 0
1¼ inch square ........................................ 80s. 1 0
2 ........................................ 40s. 3 0

8629 Set of Three Achromatic Prisms, one flint and 2 crown, to show on the screen how, by combination, deviation may be obtained without colour, as in an achromatic lens; or colour without deviation, as in a direct vision prism .................................................. Unmounted 1 17 6

8630 Set of Three Achromatic Prisms as above, mounted with screens on stand (Fig. 8630) .................................................. 3 15 0

8631 Pair of Prisms for Newton's experiment on the different refrangibility of the various colours of the spectrum. Best quality, 1½ in. face ........................................ 2 5 0

8632 Prism Troughs, with 5 compartments for filling with various liquids to show different dispersive powers ........................................ 0 10 6

8633 Prism Troughs, small, for filling with liquids, vertical or horizontal, each ........................................ 0 5 0

8634 Hollow Glass Prism, for colour solutions, &c. 6 in. long ........................................ 0 10 6

8635 Prismatic Absorption Troughs. A pair of these filled with liquid, placed side by side, form an absorption tank, with parallel sides. By moving the prisms, the width of tank can be increased or diminished as desired ........................................ per pair 1 1 0

8636 Flint Glass Prism, dense, on stand with universal joint ........................................ 0 17 6

8637 Wedge Prisms for diverting one or more colours from the spectrum before recomposing it ........................................ 0 5 0

8638 Cone Prism, optically worked, shows brilliant circular spectrum on the screen, on adjusting stand ........................................ 2 10 0

8639 Interference Prisms, see Fig 8515, page 72.

8640 Water Prism, with movable sides, for varying the angle, on brass stand, with levelling screws, best quality ........................................ 10 10 0
THE "UNIVERSAL" OPTICAL BENCH AND
CHESHIRE'S PROJECTION APPARATUS.

This new optical bench consists of a plain cast-iron triangular bar mounted on a polished mahogany base board with divided millimetre scale, &c. Adapted to slide, and to be clamped in any position upon this bar, any number of feet can be supplied, each of which is bored to take and clamp a standard-sized stem, which in turn may carry any required optical element, as a lens, prism, &c, at a standard height. In this way the bar and feet may be employed with any number of different fittings, and different kinds of optical apparatus built up, such for example as a projection polariscope, spectroscope, &c., &c.

Mr. Frederick J. Cheshire, lecturer on physics at Birkbeck College, London, has been engaged for some time past, with remarkable success, in designing projection apparatus for use with the bench just referred to. Several of the more important and useful of these instruments, for lecture-table and class demonstration work, we are introducing as set out in detail below.

8650 The "Universal" Optical Bench, 1 metre long, complete on base board with divided scale, &c. ...

8651 The Bench as above described, without divided scale...

8652 The "Universal" Optical Bench, as above, ½ metre long, without divided scale, either for use separately, or as an extension of the metre bench for experiments requiring a longer fitting; such, for example, as Cheshire's model eye...

8653 Brass Feet for "Universal" Optical Bench, adapted to carry the various fittings for Cheshire's projection apparatus, and also lenses, prisms, &c, for ordinary optical bench laboratory work (see Cat. No. 2), each...

8654 Cheshire's Projection Spectroscope and Colour-Mixing Apparatus, complete, including an adjustable slit, an achromatic collimating lens of 1½-in. aperture, a direct-vision bi-sulphide prism, 1-in. x 1½-in. aperture, a table for supporting the prism, an iris diaphragm for limiting the outlet face of the prism, a large spectrum focussing and projection lens (simple) of 4-in. aperture, together with 4 skew prisms and brass stops, all mounted to be carried by the brass feet referred to above, but not including the bench and necessary feet (6).

8655 Bench, if required (extra)...

8656 Feet, if required (extra)...

8657 Special Absorption Tanks, for use with the above...

CHESHIRE'S PROJECTION POLARISCOPE.

As is now well known, Iceland spar of optical quality and large enough to make Nicol prisms of say 40-mm. clear aperture and upwards, is no longer obtainable in a regular way, the only mine from which such spar has ever been got, not having been worked for some years past. A double-image prism, however, of spar and glass, giving a separation of from 8 to 10 degrees, only requires an eighth to a tenth of the spar required by a Nicol prism of the same aperture.

In the above apparatus the problem of the more economical use of spar has been solved in a very satisfactory way, by replacing the Nicol polariser used in large-sized projection apparatus by a double-image prism of the same aperture.
In apparatus of this kind hitherto proposed, the working of the polariser at full aperture, especially with convergent light, has been attended with almost insuperable difficulties, and then only with a small and well-defined light source, such as the electric arc. The present apparatus, however, can be used simply and efficiently with such comparatively extended light sources as the lime light, with results in every way comparable with those obtained by the use of a Nicol prism.

The polariscope consists of the following fittings, viz.: A wheel-diaphragm with holes of different sizes; an achromatic collimating lens of $\frac{1}{2}$-in. aperture; a double-image polarising prism; three object holders; a condensing system of lenses; an achromatic projecting lens of $\frac{1}{2}$-in. aperture; a capstan mount for a small Nicol analyser, and a double-image prism for use alternatively as an analyser.

8660 Cheshire's Projection Polariscope, complete as above, for experiments in both parallel and convergent light, with a 2-in. clear aperture polariser, Nicol prism analyser, double-image prism, &c., but not including the bench and necessary feet... £40 0 0
8661 Ditto, with a $2\frac{1}{2}$-in. polariser... 50 0 0
8662 If the convergent system of mounted lenses and the two object holders for use with the same are not required, deduct from the above prices... 5 10 0
8663 Bench (if required)... 5 15 6
8664 Feet (if required)... 0 9 6
8665 Double-Image Iceland Spar and Glass Polariser (Mr. Cheshire's pattern), 2-in. clear field, arranged for projection... 30 0 0
8666 Double-Image Iceland Spar and Glass Polariser, as above, but with $2\frac{1}{2}$-in. clear field... 40 0 0
8667 Additional Narrow-angle Double-Image Prism, for experiments in spectro-polarisation... 1 10 0
8668 Foot for ditto (if required)... 0 9 6

CHESHIRE'S MODEL EYE.

For the demonstration by Projection of the Optical Properties of the Human Eye, including its Optical Defects and their Correction.

This "eye" consists of a tube about 25 cm. long, with a transparent screen, painted to imitate the retina at one end, an achromatic lens and an iris diaphragm at the other, and a second achromatic lens sliding along the axis between the lens and the retina to obtain the varying amounts of "accommodation." Three retinas are supplied to alter the length of the eye, and thus make it either "normal," "short-sighted," or "long-sighted." This "eye" in use is mounted on a half-metre bench arranged as an extension of a metre bench, upon which the near-point determinations are made. The necessary light is supplied by an ordinary lantern at the end of the metre bench, an ordinary lantern slide at the principal focus of a large light-collecting lens serving as an object at infinity. The retina of the eye is projected upon the ordinary lantern screen by an auxiliary large-aperture kinematograph lens. A set of trial sights is supplied to enable the ordinary correction for long or short sight to be made, and cylindrical lenses are supplied to render the "eye" astigmatic, and show its correction.

The action of the microscope, telescope, &c., in producing magnified images, can also be beautifully shown on the screen.

8669 Cheshire's Model Eye, as above, with 3 retinae, simple focussing lens for obtaining parallel light, and giving "infinity" vision, cylindrical lenses, trial sights, slide stage, &c... £16 0 0
8670 Half-metre Optical Bench, to use in combination with the optical bench... 3 15 0
8671 Auxiliary Large-aperture Short-focus Kinematograph Lens... 2 2 0
8672 Right-angled Reflecting Prism, for use with kinematograph lens, to throw image of retina on to a screen behind the lecturer... 3 3 0
8673 A Set of Slides is in preparation to illustrate the defects of the eye, and the action of the above apparatus in demonstrating them. The complete list will be ready shortly... price, each slide 0 1 0
8674 A Complete Treatise on the use of Cheshire's projection apparatus, by Mr. F. J. Cheshire, will be ready very shortly, and will be sent free to purchasers of the apparatus.
KINEMATOGRAPHS.

8706 Kinematograph complete with lantern, consisting of the machine, fitted with tube lens in rack mount, two large spools, Russian iron lantern-body 4-in. condenser, large-diameter front lens in rack and mount; the whole mounted on a wood base board with a swing-round movement to the kinematograph, so that it can be turned out of the way when not in use. Packed in travelling case £19 10 0

8707 Kinematograph without lantern, with lens and 2 spools 14 14 0

8708 Kinematograph of a different model to the previous one, more highly finished, thus ensuring greater steadiness, fitted complete with lantern in case, as above 28 10 0

8709 The Kinematograph only, without lantern, as No. 8708, with lens, 2 spools, &c... 23 10 0

8710 Kinematograph of a larger model and the most perfect mechanism, free from flicker and quite steady, fitted with the best tube lens in rack mount, complete with lantern in case. (Fig. 8708) 40 0 0

8711 The Kinematograph only, without lantern, as No. 8708, with lens and spools... 32 15 0

A cheap form of Kinematograph can be supplied suitable for home use, can be fitted to any lantern 3 3 0

8712 Film Winder, with clamp and spring board 0 16 0

8713 Double Spool Winder 1 4 0

8714 Single Spool Winder 0 6 6

8715 Trestles for travelling case, forming stand for lantern when in use 0 10 0

For Limes, Jets, and other fittings, see pages 25–28.
NEWTON & Co., Opticians to the Royal Family,

LANTERN POLARISCOPEs
AND APPARATUS FOR USE WITH OPTICAL LANTERNS.

8725 Elbow Polariscpe, of best quality and construction, for illustrating the various phenomena of polarised light, with polarising glass plates, prism and lenses, mounted in brass, with rack adjustment to focus tube, in case, complete (Fig. 8725). This instrument is suitable for use with any good optical or magic lantern, and forms an excellent table polariscpe. £7 7 0

8726 Crystal Stage for the above for exhibiting crystals 0 12 6
8727 Convergent System of lenses with crystal stage, for exhibiting wide-angle crystals and the mica and selenite preparations, pages 84 and 85 4 4 0
8728 Glass Bundle Analyser, fitted to polariscpe, showing direct polarised beam on screen and complementary colours by reflected beam from 0 15 0
8729 Brass Adapter for using the front portion of the elbow polariscpe as Wright’s optical front 0 10 6

NICOL PRISM PROJECTING POLARISCOPE.

Direct Nicol Prism Polariscpe, designed by Lewis Wright, Esq., for use with the Lantern, with large size Nicol or compound square-end prism as polariser, special flat-end prism of large angular aperture as analyser, with rack adjustment to focussing lenses, rotating motions to polariser and analyser, circle divided on German silver, crystal stage, double system of convergent lenses for exhibiting rings in wide-angled bi-axial crystals, with rackwork focussing adjustment, selenite stage, &c., on adjusting mahogany base board, in case, complete (Fig. 8730). Including improvements and additions suggested by Lewis Wright, Esq., Sir Thomas S. Bazley, Sir David Salomons, &c. This instrument is of the finest quality and highest finish throughout. As supplied to numerous Colleges and Institutions.

In our newest pattern Instruments all the parts slide on a solid gun-metal lathe-bed 30 in. long, ensuring absolute centring.

The prices of the instruments are

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8730 With polariser 2-in. clear aperture</td>
<td>£125 0 0</td>
</tr>
<tr>
<td>8731 2½-in.</td>
<td>155 0 0</td>
</tr>
<tr>
<td>Similar instruments can also be made fitted with compound square-end spar polarisers with clear 2-in. aperture, but of these only two can be made owing to the dearth of large Iceland spar</td>
<td>85 0 0</td>
</tr>
<tr>
<td>No.</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>8734</td>
<td>Direct Polariscope, fitted with Delezenne polariser (large size), designed by Rev. P. R. Sleeman, F.R.A.S., &amp;c., and with arrangement for rotating the polarised beam devised by Prof. S. P. Thompson. Finest quality, and highest finish throughout (Fig. 8734)</td>
</tr>
<tr>
<td>8735</td>
<td>Direct Polariscope, cheap form, fitted with Delezenne polariser, designed by P. R. Sleeman, F.R.A.S. Nicol prism as analyser, convergent system for exhibiting rings in wide angle crystals, on sliding base made entirely in brass</td>
</tr>
<tr>
<td>8736</td>
<td>Apparatus for showing on the screen the number of degrees of rotation caused by various percentages of sugar solution. The index hand points to the degrees as the prism revolves. With biquartz, divided glass, pointer, 3 tubes, &amp;c., fitted to polariscope, No. 8634</td>
</tr>
<tr>
<td>8737</td>
<td>Double Image Prism of Iceland spar, mounted in brass tube, with aperture plate for polariscope</td>
</tr>
<tr>
<td>8738</td>
<td>Huyghen's Apparatus, fitted to nozzle of polarscope, with 2 rotating double image prisms, selenites, &amp;c., 20 centimetres or 10 centimetres long each</td>
</tr>
<tr>
<td>8740</td>
<td>Tubes to contain solutions, for showing rotation in oil of lemons, &amp;c.,</td>
</tr>
<tr>
<td>8741</td>
<td>Set of Supports for using the above tubes, with polariscopes No. 8635</td>
</tr>
<tr>
<td>8742</td>
<td>Quartz Plate, R. and L., for use with the above tubes</td>
</tr>
<tr>
<td>8743</td>
<td>Crystallising Frame, with plates and forceps for crystallising benzoic acid, &amp;c., while being shown by polarised light on the screen</td>
</tr>
<tr>
<td>8744</td>
<td>Metal Slide for Heating Crystal (Mitscherlich's experiment)</td>
</tr>
<tr>
<td>8745</td>
<td>Selenite Crystals for the above</td>
</tr>
<tr>
<td>8747</td>
<td>Apparatus for Heating Glass while in the polarscope</td>
</tr>
<tr>
<td>8748</td>
<td>Apparatus for Compressing Glass in the polarscope</td>
</tr>
<tr>
<td>8749</td>
<td>Improved Apparatus for compressing, bending, and breaking squares of plate glass, showing most beautifully the lines of strain, with 2 keys for obtaining increased power</td>
</tr>
<tr>
<td>8750</td>
<td>Pair of Mirrors, Glass Jar, Quartz Plate to show multi-coloured images</td>
</tr>
<tr>
<td>8751</td>
<td>Glass Plates for ditto</td>
</tr>
<tr>
<td>8752</td>
<td>Quartz Plate, for experiments in color phenomena</td>
</tr>
<tr>
<td>8753</td>
<td>Tourmaline Plates, now very scarce. Prices on application.</td>
</tr>
</tbody>
</table>

The best handbook on polarisation with the lantern is **"Light," a course of Experimental Optics, chiefly with the Lantern**. By Lewis Wright. Second Edition, revised and enlarged.

Messrs. Newton and Co. manufacture and supply all the Apparatus necessary for working the Experiments mentioned in this book.

For additional apparatus in Sound, Light, Heat, &c., see Catalogue No. 2, Philosophical Apparatus.
SELENITE OBJECTS FOR THE POLARISCOPE.

Mounted in mahogany blocks.

<table>
<thead>
<tr>
<th>Description</th>
<th>£</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>8756 Evn Selenite</td>
<td></td>
<td>3 6</td>
</tr>
<tr>
<td>8757 Uneven Selenite</td>
<td></td>
<td>3 6</td>
</tr>
<tr>
<td>8758 Selenite, showing mackle</td>
<td></td>
<td>3 6</td>
</tr>
<tr>
<td>8759 Selenite, superior specimen</td>
<td></td>
<td>4 6</td>
</tr>
<tr>
<td>8760 Cube.</td>
<td></td>
<td>4 6</td>
</tr>
<tr>
<td>8761 Six pointed star</td>
<td></td>
<td>10 6</td>
</tr>
<tr>
<td>8762 Flowers and Fruit</td>
<td>10s. 1 15 0</td>
<td></td>
</tr>
<tr>
<td>8763 Tulip</td>
<td></td>
<td>10 0</td>
</tr>
<tr>
<td>8764 Chameleoon</td>
<td></td>
<td>10 0</td>
</tr>
<tr>
<td>8765 Swan, black and white</td>
<td></td>
<td>1 1 0</td>
</tr>
</tbody>
</table>

SPECIAL SELENITE AND MICA OBJECTS.

Series of Objects, giving very brilliant colours.

Messrs. Newton & Co. are the sole Agents for these preparations.

<table>
<thead>
<tr>
<th>Description</th>
<th>£</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>8808 Natural Twin Crystal of Selenite</td>
<td>3 6</td>
<td></td>
</tr>
<tr>
<td>8809 Simple Geometrical Designs in combined Selenite and Mica</td>
<td>8s. 6d. &amp; 1 0</td>
<td></td>
</tr>
<tr>
<td>8810 Compound Geometrical Designs in combined Selenite and Mica</td>
<td>8 6d. &amp; 1 0</td>
<td></td>
</tr>
</tbody>
</table>

VARIOUS OBJECTS FOR THE POLARISCOPE.

<table>
<thead>
<tr>
<th>Description</th>
<th>£</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>8811 Natural Twin Crystal of Selenite, whole plate, showing blue and yellow in whole or half disc</td>
<td>1 1 0</td>
<td></td>
</tr>
<tr>
<td>8812 Triple crossed Natural Twin Crystals of Selenite, a most brilliant and effective object, very fine and scarce</td>
<td>2 2 0</td>
<td></td>
</tr>
</tbody>
</table>

CRYSTALS.

Specially cut for use with the Convergent Systems of Polariscopes and Micro-Polariscopes, showing Axes, Rings and Brushes.

<table>
<thead>
<tr>
<th>Description</th>
<th>£</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>8875 Plates of Positive and Negative Crystals showing the Apophyllite rings when superimposed per pair</td>
<td>8 6</td>
<td></td>
</tr>
</tbody>
</table>

**SELENITE OBJECTS FOR THE POLARISCOPE.**

- Mounted in mahogany blocks.
- **8756 Evn Selenite** .......................... 0 3 6
- **8757 Uneven Selenite** .......................... 0 3 6
- **8758 Selenite, showing mackle** .......................... 0 3 6
- **8759 Selenite, superior specimen** .......................... 0 4 6
- **8760 Cube.** .......................... 0 4 6
- **8761 Six pointed star** .......................... 10 6
- **8762 Flowers and Fruit** .......................... 10s. 1 15 0
- **8763 Tulip** .......................... 10 0
- **8764 Chameleoon** .......................... 10 0
- **8765 Swan, black and white** .......................... 1 1 0

**SPECIAL SELENITE AND MICA OBJECTS.**

- Series of Objects, giving very brilliant colours.
- Messrs. Newton & Co. are the sole Agents for these preparations.
- **8808 Natural Twin Crystal of Selenite** .......................... 0 8 s.
- **8809 Simple Geometrical Designs** in combined Selenite and Mica .......................... 8s. 6d. & 1 0
- **8810 Compound Geometrical Designs** in combined Selenite and Mica .......................... 8 6d. & 1 0

**VARIOUS OBJECTS FOR THE POLARISCOPE.**

- **8811 Natural Twin Crystal of Selenite, whole plate, showing blue and yellow in whole or half disc** .......................... 1 1 0
- **8812 Triple crossed Natural Twin Crystals of Selenite** .......................... a most brilliant and effective object, very fine and scarce .......................... 2 2 0

**CRYSTALS.**

- Specially cut for use with the Convergent Systems of Polariscopes and Micro-Polariscopes, showing Axes, Rings and Brushes.
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- **8760 Cube.** .......................... 0 4 6
- **8761 Six pointed star** .......................... 10 6
- **8762 Flowers and Fruit** .......................... 10s. 1 15 0
- **8763 Tulip** .......................... 10 0
- **8764 Chameleoon** .......................... 10 0
- **8765 Swan, black and white** .......................... 1 1 0

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- Series of Objects, giving very brilliant colours.
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**CRYSTALS.**

- Specially cut for use with the Convergent Systems of Polariscopes and Micro-Polariscopes, showing Axes, Rings and Brushes.
- **8875 Plates of Positive and Negative Crystals showing the Apophyllite rings when superimposed per pair** .......................... 0 8 6
### QUARTZ OBJECTS FOR THE POLARISCOPE.

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8880</td>
<td>Quartz, showing cross crystallisation</td>
<td>3s. 6d. to £0 8 6</td>
</tr>
<tr>
<td>8881</td>
<td>Airy's spirals</td>
<td>0 10 6</td>
</tr>
<tr>
<td>8882</td>
<td>Savart's bands</td>
<td>0 8 6</td>
</tr>
<tr>
<td>8883</td>
<td>Hyperbola</td>
<td>0 8 6</td>
</tr>
<tr>
<td>8884</td>
<td>Stokes's wedges, showing bands</td>
<td>0 8 6</td>
</tr>
<tr>
<td>8885</td>
<td>Cut 22½ to axis</td>
<td>0 8 6</td>
</tr>
<tr>
<td>8886</td>
<td>Set of 4 wedges, right and left hand, showing bands</td>
<td>1 15 6</td>
</tr>
<tr>
<td>8887</td>
<td>Pair of wedges to show gradation of colours</td>
<td>1 1 0</td>
</tr>
<tr>
<td>8888</td>
<td>Pair quartz plates cut to show Airy's spirals mounted on glass plates so that they can be used in a rotating frame</td>
<td></td>
</tr>
</tbody>
</table>

Quartz plates cut in various directions showing very beautiful colours, from 3s. 6d. each.

### MICA OBJECTS FOR THE POLARISCOPE.

As described by Lewis Wright, Esq., in various papers. They are the finest spectacular preparations yet devised, producing most brilliant effects on the screen.

Messrs. Newton & Co. are the sole Agents for these preparations.

![Diagram](image)

8890 Quarter-Wave Preparations (Fig. 8890):

- **A.** Is for ordinary experiments in circular polarisation.
  - Whole or half circles of half-wave thickness at the same price.
  - £0 6 0

- **B.** Gives contrary rotations.
  - 0 9 0

- **C.** Illustrates the dislocation of rings in crystals.
  - 0 12 0

- **D.** Superposed upon a concave selenite (see 8798, page 84) give magnificent phenomena, which may be further varied by adding a rotating selenite film (No. 8705, page 84).
  - 0 18 0

- **F.** Gives beautiful contrary rotations with a circular wedge, or when superposed upon C., D., or E., each segment appears alternately white and black in succession, on rotating analyser, showing effect of half-wave retardations.
  - 0 9 0

- **G.** Circular Ring of quarter-wave mica.
  - 0 7 6

8891 Mica Designs, Wedges, &c.:—

- **H.** Fox's Wedge of 24 ½ wave films, showing Newton's first three orders in wave differences.
  - £3 to 3 15 0

- **K.** 1½ wave film to superpose on ditto.
  - 0 6 0

- **L.** Circular Wedge of 24 sectors, rotating colours.
  - 3 3 0

- **N.** Double Wedge, giving curious floorcloth patterns and beautiful phenomena when A is superposed, per pair.
  - 3 15 0

- **NN.** Concentric Circles or Squares.
  - 1 1 0

- **O.** Circularly-polarised geometrical designs.
  - 0 7 6

8892 P. Double Combination circularly-polarized Designs.

These are far superior to the Selenite Stars or cube usually employed.

They may be used to show either the complementary colours only, or in the reverse position give in rotation all the colours of the spectrum.

8893 Mica and Selenite preparations for convergent light.

These are mounted on 3 by 1 glass slips as being more convenient for use; they can be kept in the ordinary racked microscopic slide boxes.

- **Q.** Nörrenberg's Series of Crossed Micas, showing how by crossing bi-axial films the uni-axial rings appear; six preparations of 1, 2, 4, 6, 8, and 24 films.
  - 2 2 0

- **R.** A single preparation only, showing uni-axial rings with 24 crossed films.
  - 0 15 0

- **S.** Combinations of Crossed Micas, giving coloured fringes.
  - 5s. to 0 15 0

- **T.** Mica and Selenite Combinations after Nörrenberg, giving fringes of the most varying patterns and colours.
  - 5s. to 1 1 0
## Distances for Lantern Lenses

<table>
<thead>
<tr>
<th>Distance between Lantern and Screen</th>
<th>FOCUS OF LENS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in.</td>
<td>6 in.</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>ft. in.</td>
<td>ft. in.</td>
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<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>10 feet</td>
<td>6</td>
</tr>
<tr>
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LIST OF LANTERN SLIDES.

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A HISTOLOGY.

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1. Blood, human; for red and white corpuscles X 385
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28. t.s. ossifying cartilage, tibia of rabbit X 56
29. i.s. X 157
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HUMAN PHYSIOLOGY.

Selected and arranged by John Gay, Esq., M.R.O.S., L.R.C.P., D.P.H.

Coloured, 5s. 6d. each; Plain Photographs, 1s. each.

The majority of the slides are taken with the permission of the publishers and authors from Kirkes’ Handbook of Physiology (marked k, for convenience of reference), Foster’s Physiology (marked f), Huxley’s Physiology (k), Gray’s Anatomy (q), Quain’s Anatomy (q), Alexander Bruce’s “Mid and Hind Brain” (q), other sources are mentioned. Some of the slides are taken from apparatus set up.

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16. Oeometers; & Curve taken by renal oemometer
17. Ludwig’s Mercurial Air-pump or Gases
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2 Human Skeleton
3 Skull (side view)
4 Skull (front, top, and section)
5 Vertebral Column
6 Pelvis
7 Ribs
8 Clavicle, Scapula, Arm, and Hand
9 Hip, Leg, and Foot
10 Ligaments
11 Effects of Tight Lacing on the form of the Skeleton

MUSCLES.
12 Muscular System
13 Natural Levers

DIGESTIVE ORGANS.
14 Viscera of Human Body
15 Course of Ingesta
16 Jaws

17 Kinds of Teeth
18 Salivary Glands
19 Liver, Pancreas, Stomach (interior)
20 Gastric Glands, Structure of Intestines

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22 Heart and Lung (exterior)
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24 Blood Corpuscles (Human and Comparative)

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48 Speaking, Larynx, &c.
49 Minute Structure of Bone
50 Minute Structure of Teeth
51 Minute Structure of Muscle
52 Structure and Growth of Nails and Hair

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D  THE HEART AND ITS ACTION.

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6 The Framework of the Chest
7 The Organs of the Thorax
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36 The Sympathetic Nerve System
LANTERN SLIDES OF THE TEETH.

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The following list of lantern slides includes all of the photographs made during the past few years by Dr. J. Leon Williams in his studies of the microscopic morphology and pathology of enamel. Dr. Williams has repeatedly been urged to undertake the preparation of text books based upon the above-mentioned studies, but the uncertain condition of his health (which was seriously injured by too close application to photo-micrographic work), and the demands of a large practice make it improbable that he will ever undertake the preparation of text books.

We believe the photo-micrographic work of Dr. Williams has everywhere been recognised as the finest that has ever been done in this field, and it probably is not claiming too much to say that many of these photographs will not be duplicated for many years. Believing that most of the dental colleges throughout the world will be glad to avail themselves of the opportunity to secure these fine photographs, we have secured from Dr. Williams all of the original negatives and the accompanying explanatory list which he has prepared.

In addition to the above-mentioned slides there is also a supplementary list on the bacteriology of the human mouth. This list deals more especially with the various forms of micro-organisms resulting from the fructification of Leptothrix vacemosa. This organism, which was first discovered by Dr. Vicentini, of Italy, was also independently discovered by Dr. Williams, and up to the present time he is the only one who has succeeded in photographing it. Experts have pronounced these pictures some of the finest work that has ever been done in photo-micrography.

RX

EMBRYOLOGY OF THE TEETH.

1a Germ of Human Tooth soon after the commencement of the Formation of Enamel
2a From Germ of Human Tooth, showing formation of dentine and Enamel
3a The same more highly magnified
4a Commencement of Enamel Formation in Human Tooth. High Power
5a Stratum intermedium and Ameloblasts—Magnified 8,000 diameters
6a Showing formation of Human Enamel by successive deposits of Globular Bodies
7a Germ of Tooth from Embryo Dog, showing formation of Enamel by deposit of Globular Bodies
8a Same as No. 7, but more advanced state of formation
9a Structure of Enamel Cells, Tooth of Embryo Dog
10a Enamel Cells from Tooth of Embryo Dog, showing formation of minute drops of Albumen-like Substance
11a From Tooth of Embryo Dog, showing Ameloblasts and Odontoblasts and formation of Dentin and Enamel
12a Similar to No. 11, but higher power
13a Ameloblasts from Tooth of Embryo Dog magnified 3,000 diameters to show structure of Nucleus
14a Transverse Section from Tooth of Embryo Dog showing formation of Enamel. Arrangement of Enamel Rods and Lines of Deposit well shown
15a Cross Section of Germ of Tooth of Bovine Embryo. Early Stage, before the commencement of the formation of Dentine
16a Similar to the foregoing, but showing the commencement of the formation of Dentine
17a From tip of tooth-germ of bovine embryo, showing structure of enamel organ
18a From the tooth-germ of Rat-Kangaroo, showing structure of enamel organ
19a From the persistently growing incisor of young mouse showing the formation of enamel
20a From the persistently growing incisor of rat, showing structure of enamel rods
21a Enamel of rat, treated with dilute acid to show fibrous nature of basis-substance of enamel
22a From persistently growing incisor of rat, showing glandular nature of enamel organ
23a From persistently growing incisor of mouse, showing commencement of formation of enamel. High power
24a From enamel-organ of rat, ameloblasts raised from forming enamel to show fibrous membrane lying between forming enamel and ameloblasts
25a Enamel cells torn from forming enamel to show fibrous sub-structure of enamel rods
26a From persistently growing incisor of rat, showing glandular nature of stratum intermedium, enamel cells, and thin layer of enamel treated with acid to show fibrous nature of enamel sub-structure of inner enamel
27a Enamel of rat, showing change in structure of enamel rods in alternate rows
28a Transverse structure of forming enamel in tooth of embryo lamb
29a Longitudinal section through tooth-germ of embryo lamb, showing formation of dentin and enamel
30a Similar to foregoing, but especially showing membranous structure bounding both ends of enamel cells
31a Longitudinal section through tooth of embryo lamb, showing rapid development of enamel cells on outer side of tooth and degeneration of enamel cells on inner side of tooth
32a Longitudinal section through tooth of embryo calf, showing commencement of formation of dentine and enamel
33a Section from tooth-germ of embryo calf, showing odontoblasts and commencement of dentine formation. Low power
34a From tooth-germ of embryo calf, showing first stages of dentine formation
35a Similar to the foregoing, but higher power
36a From tooth-germ of embryo calf, showing another phase of the early stage of dentine formation
37a From tooth-germ of embryo calf, showing enamel organ, stratum intermedium, ameloblasts forming enamel and dentine, odontoblasts and tissue of pulp
38a From tooth-germ of human embryo, showing odontoblasts and dentinal fibres entering dentine. High power
39a Odontoblasts as seen under a power of 3,000 diameters
40a From tooth-germ of embryo calf, showing ameloblasts and odontoblasts under high power
41a Transverse section through tooth-germ of embryo rat-kangaroo, showing formation of peri cementum, cementum and dentine
42a End of root of forming tooth showing formation of cementum
### EMBRYOLOGY OF THE TEETH—Continued.

43a End of root of developing tooth, showing formation of bone and cementum

44a End of root of developing tooth, showing pericementum, cementum, dentine and pulp

45a End of root of tooth and medullary canal

### Set B. STRUCTURE OF ENAMEL AND DENTINE.

1b Enamel rods, showing lines of formation, commonly called "Repetitive Letters"

2b Enamel rods, showing method of formation by deposit of granular bodies. Low power

3b Similar to the foregoing, but higher power

4b Enamel rods, showing light, dark, alternating beneficiary bands

5b Showing branching of dentinal fibres and line of union of dentine and enamel

6a Enamel, showing bands of Retzius as they appear by polarized light

7a Bands of Retzius, or formative lines of enamel. Low power

8b Enamel rods, very high power, showing ultimate structure. Acid

9b Enamel rods treated with dilute hydrochloric acid

10b Transverse section enamel rods. Low power

### Set C. PATHOLOGY OF ENAMEL.

27c 28c Similar to the foregoing but appearances seen under higher power

29c Commencement of formation of cavity in enamel. The surface of the cavity is seen to be everywhere covered with mi-ro-organic agents

30a Disintegration of enamel rods by action of acid produced between micro-organisms

32b 33c Showing defects of structure which lead to more rapid decay along the line of union between dentine and enamel

34a 35c Showing the manner in which decay penetrates along the line of union between dentine and enamel

36c Cracks in enamel, leading to defective tissue

37a 38b Canal produced between the enamel rods by the action of the acid of decay excreted by micro-organisms

39b Similar to the foregoing, but appearances seen under very high power

40a From oblique section of enamel, showing openings of acid-produced canals

42a Longitudinal section of enamel, showing openings of canals

43b This photograph, under high power, was made from the surface of enamel where the bacteria had been brushed away. It shows a large number of canal openings, which have a diameter greater than that of the enamel rods

44a 45c Varying appearances produced in enamel by the action of the acid of decay, seen under high powers

46b 47c & 48& Showing walls of a cavity containing a defective gold filling. Micro-organisms have penetrated through the filling and everywhere line the walls of the defective portion of the cavity

49c Shows the lower portion of the cavity from which the gold filling has been removed. It is seen that no micro-organisms are present where the gold was perfectly adapted to the cavity

### Set D. BACTERIOLOGY OF THE MOUTH.

5a Similar to foregoing, but showing secondary bacteria. Buildings of these bacteria are seen on the free surfaces of the tooth. The fields of the bacteria are seen on page 93.

6a A group of fertile heads of Leptotrichia Racemosa, first discovered by Dr. Filandro Vincentini. Independently discovered and first photographed by Dr. J. Leon Williams

7d & 8d Showing fertile heads of Leptotrichia

9d 10d Leptotrichia in a partially developed colony

11d 12d Various appearances of the fertile heads of Leptotrichia, as seen under magnifying powers of two and three thousand diameters
BACTERIOLOGY OF THE MOUTH—Continued.

3rd & 23d These two slides establish the identity of the stem of the Leptothrix Racemosa with the thread shown in Nos. 21d, 25d, & 23d.

29d Budding of spores of Leptothrix Racemosa
30d & 31d Enlargement of end of growing thread of Leptothrix Racemosa, preparatory to budding of spores.

32d Budding of fertile head of Leptothrix Race - mos as shown in balsam mount
33d & 34d Sprouting or budding of fertile head as seen in transverse section mounted in balsam
35d & 36d Erratic or accidental formations of thread and sporelike formations of bacteria, showing the total unlikeliness of these formations to Leptothrix Racemosa.

37d Partially torn and crushed head of Leptothrix Racemosa, showing micrococci-like form of spores
38d 39d Various forms of micro-organisms found
40d 41d in the human mouth
42d 43d

44d Clado-mycelial form of micro-organism, first discovered in the human mouth by Dr. J. Leon Williams
45d 46d Various phases in the life-history of
47d 48d the before-mentioned Clado-mycelial organism
50d Diagrammatic scheme showing the complete life-history of the Clado-mycelial organism

Set E.

THE FORMATION AND STRUCTURE OF MARSUPIAL ENAMEL.

1e Transverse section of jaw of rat kangaroo taken from the pouch of the mother
2e Transverse section of jaw of embryo of peramelidae nasuta
3e Section through saw of forming tooth of rat kangaroo
4e Transverse section incisor of rat kangaroo
5e Portion of section of incisor tooth and germ of premolar, rat kangaroo
6e Formation of dentine and enamel, incisor tooth of rat kangaroo
7e Portion of the foregoing, more highly magnified
8e More advanced stage in the formation of enamel, rat kangaroo
9e Formation of enamel, rat kangaroo
10e Formation of enamel, rat kangaroo, showing fibres passing from enamel cells into forming enamel
11e Enamel cells from rat kangaroo, deeply stained, high power
12e Enamel cells, rat kangaroo. The formed enamel has been dissolved away by treatment with acid. The longitudinal fibres are seen hanging from the inner ends of the enamel cells
13e Same as the foregoing, higher power
14e Formation of enamel, rat kangaroo. Shows fibres passing from enamel cells into forming enamel
15e Different view of foregoing subject
16e Enamel cells treated especially to show fibrous structure
17e Enamel cells from marsupial embryo, showing that the Tomes processes are simply continuations of the cytoplasm of the cells
18e Showing a large tooth, but the formed enamel dissolved by acid treatment. Tomes processes and fibres remain as the organic sub-structure of the enamel
19e Enamel cells, marsupial embryo, bound on both ends by a membrane-like structure which takes different stain
20e Similar to foregoing, showing Tomes processes continuing into enamel rods
21e Subject same as foregoing, but different view
22e Enamel cells, showing inner ends united by membranous structure
23e Enamel cells and Tomes processes
24e Same as foregoing, different treatment
25e Solution of mature marsupial enamel by action of dilute hydrochloric acid and deposit of calcium crystals with evolution of gas
26e Showing organic fibres, after acid solution of inorganic substance in marsupial enamel

37e Organic sub-structure of marsupial enamel
38e Similar to the foregoing, but showing oblique cut
39e Complete solution of inorganic substance of marsupial enamel. The larger fibres break easily, leaving a clean fracture
40e Complete solution of inorganic substance of marsupial enamel. The organic sub-structure is shown torn, and the torn ends twisted upon themselves
41e Section of mature marsupial tooth, showing fibres passing from dentine into enamel
42e Marsupial enamel treated with dilute hydrochloric acid. Shows fibres and organic sub-structure where inorganic substance is entirely dissolved, projecting beyond but continuous with the undissolved portion
43e Fibres of marsupial enamel, partial solution of inorganic substance
44e Fibres of marsupial enamel, complete solution of inorganic substance
45e Solution of enamel in forming tooth of rat kangaroo, large fibres are seen projecting from the dentine and smaller ones from the enamel cells
46e Twisted and distorted fibres, partial solution of enamel
47e Organic sub-structure of dentine and enamel, marsupial tooth. The enamel fibres are seen to arise from the organic matrix of the dentine
48e Section of dentine and enamel, from tooth of hyrax. The dentinal fibres are seen dividing near the border of the dentine and passing into the enamel without break of continuity
49e Oblique section of dentine and enamel of marsupial tooth. The oblique surface of the dentine everywhere shows dentinal fibres projecting from their canals passing into the enamel
49e . Organic sub-structure of marsupial enamel
41e Continuity of dentinal and enamel fibres
Similar to 45e & 46e
45e The enamel fibres are seen to bend abruptly at a right angle to their general course
46e Showing continuity of fibres in dentine and enamel

Transverse sections of marsupial enamel.

47e 48e
49e 50e

The canals containing fibres are seen to occupy both the substance of the enamel rod and the cement filling the interspace between the enamel rods.
E

RONTGEN "X" RAY PHOTOGRAPHS.

These "X" Ray Lantern Slides are printed direct from the original Negatives.

Plain Photographs, 1s. each.

1 Man’s hand; index finger shows incipient gout
2 Various objects photographed while inside a wooden box
3 Human foot, showing bones spread as in walking
4 Living human foot in sock, showing bones cramped together by the sock
5 Hand of Madam, showing middle of middle finger
6 Ovaries in an Aluminium fluted case, and various substances showing different degrees of transparency. **Left hand column.**—Quotas-percha, spondylite, slate, sulphur, sealing wax, sal ammoniac, and Calc Spar. **Right hand column.**—Plaster of Paris, red vulcanized fibre, ebony, carbon, mahogany, resin, and paraffin
7 Human hand, displaying one of middle finger
8 Living human hand, showing damaged bones
9 Lady’s hand, showing needle under metacarpal bone in palm
10 Steel eyeglasses in leather case
11 Lady’s hand, tops of two fingers crushed and healed
12 Gentleman’s hand with ring
13 Working man’s hand
14 Spectacles in shagreen case
15 Man’s broken finger badly set
16 Mr. Rowland’s laboratory; process of taking a shadowgraph
17 Broken arm badly set
18 Man’s foot
19 Child’s foot, 10 years old
20 Taken child’s toe year ago
21 Child’s foot, 6 years old, showing partial ossification of the bones
22 Hand of man (Gout)
23 Foot of man (Gout)
24 Infant aged three months, showing vertebral column, ribs, &c.
25 Boy’s hand, showing incomplete ossification
26 Boy’s chest, showing hallopny he had swallowed
27 Photograph through a man’s chest, showing backbone and ribs and heart
28 Man’s foot, side view, showing ankle bones
29 Man’s elbow joint
30 Lead pencil and horn magnifying glass
31 Man’s hand, showing pieces of iron
32 Lady’s hand, with diamond rings

Taken by A. A. C. Swinton, Esq.

33 Man’s skull, the lower portion
34 Woman’s hand, with bullet flattened in the wrist
35 Boy’s tumorous hand showing the particle of bone in the tumour
36 Boy’s forearm, showing protruding bone; same case as No. 57
37 Woman’s hand, needle embedded
38 Young boy’s hand, with bullet in the wrist
39 Hand of Mummy, 3,000 years old
40 Foot of Mummy. (Lady)
41 Mummy cat
42 Mummy bird
43 A knee joint, normal
44 Complete Skeleton of a Boy, 11 years old. 2s.
45 Infant injected, showing veins and arteries. 2s.

Taken by Cheyne Wilson, Esq. M.D.

46 Pte. B. shot at Griswol. Mauser bullet in hip
47 Pte. E. shot at Pretoria near the knee, and bullet extracted near the ankle, leaving two small pieces behind
48 Pte. G. we, wounded at Friedrichsbad, pieces of shell in forearm
49 Pte. B. shot at Pieter’s Hill by a soft-nosed Mauser, which bent on hitting the femur which is fractured

50 Pte. C. shot at Paardeburg, Cronje’s Laager. Bullet entered in front under the clavicle, scen lying on the last rib. Unsuccessful attempt were made at Cape Town to find it
51 Pte. E. shot in the hip with exploding bullet at 30 yards range at Wakerstrum
52 Pte. C. shot at Land’s River in thigh. Bullet flattened and thigh fractured
53 Trooper C. shot in elbow. Fractured joint
54 Bomb C. shot in thigh. Piece of shell present
55 Pte. H. shot in the thigh by exploding bullet at Paardeburg, Cronje’s Laager
56 Pte. C. shot in the thigh at Wakerstrum
57 Fracture of an ankle joint of a soldier who fell nearly 40 feet and pitched on his foot
58 Pte. G. shot in chest in lower part of sternum at Driefontein. Mauser bullet lying in heart’s shadow
59 Fractured ankle in man
60 Bullet in boy’s femur
61 Fracture of Humerus clavicle
62 Fractured femur wired together. Wire in situ
63 Bullet in ulna of boy shot by a toy pistol
64 Penny in oesophagus of a girl
65 Fractured elbow
66 Fractured wrist
67 Jaw with swelling showing the teeth
68 Pelvis of child
69 Needle in the hand, showing eye of needle
70 Fractured (compound) leg planed together. Photograph through the splints
71 Fractured hip of child
72 Small bullet in hand of young man
73 A Soldier’s knee with a piece of shell, shot near Pekin. Shell since removed and patient well. (One of the few cases taken in England from the War in India)
74 Dislocation of shoulder joint (not often obtained, as the dislocation is usually reduced before an X ray photo can be taken)
75 A fractured thigh
76 A bony tumour growing from the femur
77 Part of a pop-porn cartridge case in a man’s brain
78 Small lead pellet in boy’s eye
79 Fractured finger of man
80 Burning needle showing the eye in a lady’s hand
81 Part of the ulna (forearm) shot away in Boer War
82 Injury to a boy’s elbow joint
83 Needle in a lady’s knee
84
85 Needle in a boy’s hip

Taken by Messrs. Cozeter and Son.

86 Coin in oesophagus
87 Exostosis of tibia (showing arteries)
88 Necrosis of radius
89 Bullets in arm
90 Hand with five fingers
91 Ossifying sarcoma (head of humerus)
92 Fracture of tibia
93 Hip dislocation
94 Leg rickets

Birds, Animals, Reptiles, Shells.

95 Bones in the legs and feet of a living frog
96 Fish, sole, showing bones, etc.
97 Fish, plaice, showing bones, etc.
98 Puppy dog, one day old
99 Frog, showing bones broken leg
100 Chicken’s foot
101 Young pigeon, 10 days old
102 Dove, showing bones and feathers
103 Mouse
104 Three live frogs
105 Tortoise
106 Snake, showing all the bones
DISEASES OF THE BONE.

A Series of Radiographs by Dr. C. Thurstan Holland.

This Series of Photographs has been awarded the medal of the Royal Photographic Society.

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EUGenon Di & Co., Opticians to the Royal Family.

SERIES OF BACTERIOLOGICAL SLIDES—Continued.

By kind permission of Professor Crookshank,
Director of the Bacteriological Laboratory of King's College, London.

All the microscopical and pathological Slides are made from direct Photographs taken by Professor Crookshank.

F

SERIES OF BACTERIOLOGICAL LANTERN SLIDES.

Plain Photographs, Is. each.

1 Interior of a Bacteriological Laboratory (King's College, London)
2 Sterilisation by Hot Air
3 Steam
4 Incubator
5 Cultivation in Gelatine
6 " on Potato (Undula)
7 Bacterium Term (Spirillum)
8 Proteus Vulgaris (Impression Preparation)
9 " (Highly Magnified)
10 Microcoeli
11 Sarcina Microcoeli (Figurants)
12 Bacterium Zopfii (Bacillus)
13 " 
14 " 
15 Bacillus Megatherium
16 " Subtilis
17 Comma Bacillus of the Mouth
18 " of Water
19 Spirochel (Sereowage)
20 Spirillum Tenue
21 Volutans (Spleen)
22 Bacillus Anthracis (Blood of)
23 " (Glomerulus of Kidney)
24 " (Liver)
25 Colony of " (Plate Cultivation)
26 Filaments of Colony (Highly Magnified)
27 Involution Form of Bacillus Anthracis (Agar Cultivation)
28 Spore-formation of Bacillus Anthracis (Potato Culture)

NOTE.—Anyone undertaking to keep less than one dozen slides from the above series can have the whole set sent down for selection on depositing the value of the set (£3 9s.), and paying carriage both ways.

BACILLI—VARIOUS.

Copied by permission from "ATLAS DER BAKTERIENKUNDE."

Plain Photographs, Is. each.

1 Anthrax Bacillus (Spleen of a mouse)
2 " Margin of a colony (unstained)
3 " Symptomatic
4 " Spore bearing rods from an agar cultivation
5 " Drop cultivation
6 " Depth cultivation in nutrient gelatine
7 Bacillus Diphtheria. From a cultivation on blood serum
8 " In the diphtheritic membrane from the Trachea
9 " Chicken Cholera in the heart blood of a pigeon
10 " Mouse Septicaemia
11 Swine Septicaemia
12 Typhoid Fever. Colony in a gelatine plate cultivation
13 " Taticus (Colon)
14 Bacillus of Tetanus (Cultivation)
15 " " Glanders. Pure cultivation on glycerine agar
16 " " Finkler-Prior's Comma. Depth cultivation in gelatine
17 " Koch's Comma. Depth cultivation in gelatine
18 " Cholera Vibrioes (comma bacilli) in the intestinal contents of a patient dead from cholera
19 Micrococci. Chain forming (Staphylococcus)
20 Micrococci. Large, from the air
21 " Small, from water
22 " " (Heart-blood of a rabbit)

H

BACILLUS TUBERCULOSIS.

Plain Photographs, 2s. 6d. each.

These Slides are printed from a series of very fine Photo-micrographic Negatives taken by Andrew Pringle, Esq., from preparations by various gentlemen:

Andrew Pringle Esq.

1 Number of Tubercles (in Synovia) (Cheyne)
2 A Tubercle in Lung, caseated and broken down (Pringle)
3 Tubercular Process in Cartilage (Cheyne)
4 " in Bone (Cheyne)
5 A giant cell of Lung No. 2, X 500 (Pringle)
6 Tubercle bacilli in Lung of inoculated rabbit X 1000 (Klein)
7 Tubercle bacilli, in Tissue X 500 (Cheyne)
8 " in relation to cells and nuclei X 800 (Cheyne)
9 " in giant cell X 500 (Cheyne)
10 Tubercle bacilli in broken-down giant cell, X 650 (Cheyne)
11 Tubercle bacilli in human sputum, X 1000 (Pound)
12 " in culture (7th sub-culture on agar-agar (Pound)

13 Tuberculosis (Lungs of Rabbit Inoculated with Milk from a Tubercular Cow)
14 Actinomyces (Cultivation on Glycerine Agar)
15 " " (Lumpy Jaw)
16 " " (Emaciation)
17 " (Kidney)
18 " Blood broth in Bees)
19 " (Sporides)
20 " (Bacill and Spores)
21 " Tubes of prepared nutriments
22 " Method of inoculating test-tubes in the preparation of plate cultivation—correct
23 " Pink Torula
24 " White Torula
25 " Anthrax. Depth cultivation in gelatine
26 " " (Lumpy Jaw)
27 " " (Erysipelas)
28 " " (Glanders)
29 " " (Tubercle Bacillus in Sputum)
30 " " (Colon)
31 " " (Intestinal Ulcers in a Tubercular Cow)
32 " (Lungs of a Rabbit Inoculated with Tubercular Cow)
33 " Actinomycosis 
34 " " (Lumpy Jaw)
35 " " (Emaciation)
36 " Mei Tetragon (Kidney)
37 " " (Liver)
38 " " (Glycerine Agar)
39 " " (Glycerine Agar)
40 " " (Glycerine Agar)
41 " " (Glycerine Agar)
42 " " (Glycerine Agar)
43 " " (Glycerine Agar)
44 " " (Glycerine Agar)
45 " " (Glycerine Agar)
46 " " (Glycerine Agar)
47 " " (Glycerine Agar)
This series of Bacteriological Lantern Slides is, by permission printed direct from the original negatives made by Mr. Spitta for the "Atlas of Bacteriology" (Slater and Spitta), published by the Scientific Press, Ltd. They make a magnificent set of slides, illustrating the most recent work and researches in Bacteriology.

Plain Photographs 1s, 6d. each, or £8 6s. 6d. the complete set.

**Atlas of Bacteriology, 7s. 6d.**

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<tr>
<td>90</td>
<td>Bacillus Pesti Bubonicus. C.G.P. from Liver of Rat x 1000</td>
</tr>
</tbody>
</table>
EDUCATIONAL SERIES OF SLIDES—Continued.

BACTERIOLOGY—Continued.

<table>
<thead>
<tr>
<th>Bacterium/Condition</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacillus Pestis Babonica</td>
<td>C.G.P. Agar Culture</td>
<td>48 hours growth at 37°C x 1,000</td>
</tr>
<tr>
<td>Spiritum Obermierli</td>
<td>C.G.P. from blood of patient</td>
<td>x 1,000</td>
</tr>
<tr>
<td>Bacillus Tetani, C.G.P. Bouillon Culture</td>
<td>Spores</td>
<td>x 1,000</td>
</tr>
<tr>
<td>Anaerobic Culture, Glucose Gelatin</td>
<td>Section of hardened Pus from Actinomycotic Abscess x 550</td>
<td></td>
</tr>
<tr>
<td>Edematisis Maligni</td>
<td>C.G.P. from edema-tous fluid</td>
<td>x 1,000</td>
</tr>
<tr>
<td>Spores, C.G.P. Agar Culture</td>
<td>Spores</td>
<td>x 1,000</td>
</tr>
<tr>
<td>Anaerobic Culture, Glucose Gelatin</td>
<td>Section of hardened Pus from Actinomycotic Abscess x 550</td>
<td></td>
</tr>
<tr>
<td>Bacillus Edematisis Maligni, Stab Anaerobic Cult.</td>
<td>C.G.P. Agar Cult.</td>
<td>x 1,000</td>
</tr>
<tr>
<td>Flagella Van Ememangem x 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anthracis Symptomatici</td>
<td>C.G.P. Pleural Fluid</td>
<td>x 1,000</td>
</tr>
</tbody>
</table>

C.G.P. = Cover Glass Preparation.

8 TO BACTERIOLOGY OF TROPICAL DISEASES.

Plain Slides, 1s. 6d. each.


MALARIA.

<table>
<thead>
<tr>
<th>Parasite</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benign Tertian Parasite</td>
<td>18 hours old, X 1,000</td>
<td></td>
</tr>
<tr>
<td>16 hours old, X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40 hours old, X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Double infection, X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mature segmented sporocyte, Romanowski stain, X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partially segmented sporocyte, X 1,000, methylene blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mature segmented sporocyte, X 1,000, methylene blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breaking up of sporocyte, X 1,000, methylene blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gametocytes, X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parasite of Tse-Tse Fly Disease in Donkey's Blood (Glossina morsitans), X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Malignant Parasite, Epicropuscular form, X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Young Intracorporeal bodies, X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot; Ring Forms,&quot; X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mature &quot; Ring Forms,&quot; X 1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quadruple Infection of Red Cell, X 1,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

From Negatives taken by HAROLD R. D. SPITTA, M.D., D.P.H., from Preparations made by the LONDON School of TROPICAL MEDICINE.

FILARIA BANCROFTI.

<table>
<thead>
<tr>
<th>Parasite</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filaria Bancrofti, Male parental form</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>Complete longitudinal section through a Filaria mosquito, showing Parasite in Muscles</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>Culex pippens</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td>Probesbs</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>Young Filaria in thoracic muscles of Culex</td>
<td>39</td>
<td></td>
</tr>
<tr>
<td>Young Filaria in thoracic muscles of Culex</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>&quot; more</td>
<td>41</td>
<td></td>
</tr>
<tr>
<td>&quot; more mature</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>&quot; more mature</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>Young Filaria in thoracic muscles of Culex seven days old</td>
<td>44</td>
<td></td>
</tr>
</tbody>
</table>

44 Young Filaria in thoracic muscles, mature worms migrating to proboscis
45 Young Filaria in thoracic muscles, mature worm 16 days old at base of proboscis
46 |
47 Filaria in proboscis of mosquito | 48 |
49 Filaria diurna and Filaria persists together in film of human blood x 500 |
50 Filaria diurna in blood, with sheath, X 500 |
51 Filaria demarquensis in human blood, X 500 |
52 Filaria oxyuris in human blood x 500 |
53 Filaria in blood-vessels of human lung |
54 Filaria nocturna removed from proboscis of mosquito after 46 days' sojourn |
EDUCATIONAL SERIES OF SLIDES—Continued.

BACTERIOLOGY OF TROPICAL DISEASES—Continued.

VARIOUS.

55 Bacillus Tuberculosis: Culture showing branching filaments x1000.
56 Bacillus Tuberculosis: Mycelial mass x500.
57 Bacillus Tuberculosis: Branching filaments with spores x1000.
58 Human Typhus: Sleeping sickness x1750.
59 Human Typhus: Sleeping sickness dividing x1000.
60 Human Typhus: Sleeping sickness, bifid flagellum x1000.
61 Bacillus Aerogenes Capsulatus: Human Liver x50.
62 Bacillus Aerogenes Capsulatus: Culture x1000.
63 Bacillus Pseudo-diphtheriae: Serum culture x1000.
64 Bacillus Xerosis: Serum culture, human conjunctivitis x1000.
65 Bacillus Influenzae: Sputum x1000.
66 Bacillus Influenzae: Agar culture x1000.
67 Micrococcus Gonorrhoeae: Serum culture x1000.
68 Parasite of Kalazar in Human Splenic Fluid x1000.
69 Phagocytosis: Bacillus tuberculosis x1000.
70 Phagocytosis: Streptococcus pyogenes x1000.
71 Phagocytosis: Streptococcus pyogenes aureus x1000.
72 Phagocytosis: Bacillus anthracis x1000.
73 Spirillum Riffrings: Blood (syphilis) x1200.
74 Spirillum Pallida Jaws (Castellani) x2000.
75 Spirillum Pallida and Spirillum Riffrings (Castellani) in one slide x1000.
76 Rat Flea (Hong Kong).
77 B. Dysentery (Flexner), pure culture.
78 Female Schistosomum Hematobium (Bilharzia).
79 Bilharzia ova in Bladder (Human).
80 Male Schistosomum Hematobium (Bilharzia).
81 Bilharzia ova, lateral spine.
82 Amoeba of Dysentery in Liver Abscess Pus.
83 Diagram illustrating Male and Female Bilharzia in copulation.
84 Entamoeba Histolytica (Amoeba) Intestinal Submucosa.

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5 Millary Tuberculosis.
6 Chronic Fibroid Pithitis.
7 Bronchitis.
8 Infarct.
9 Secondary Carcinoma.
10 Secondary Sarcoma.
11 Trachea, Diphtheria.
12 Nose, Nasal Polypus.
13 Pericardium, Pericarditis.
14 Heart, Acute Myocarditis.
15 Fatty Degeneration.
16 Fibroid Disease.
17 Acute Valvulitis.
18 Infarct of Heart Wall.
19 Aorta, Atheroma.
20 Arteries, Syphilitic Endarteritis.
21 Thyroid Gland, Gout.
22 Liver, Nechope.
23 Multilocular Cirrhosis.
24 Monolocular Cirrhosis.
25 Pecillocular Cirrhosis.
26 Liver, Acute Atrophy.
27 Gamma.
28 Lardaceous and Leukemic.
29 Carcinoma.
30 Sarcoma.
31 Tuberculosis.
32 Fatty.
33 Pancreas, Fibrosis.
34 Hyaline Degeneration of Liver, Islands (Diabetes).,
35 Carcinoma.
36 Spleen, Sago.
37 Bacon.
38 Hardbake.
39 Tuberculosis.
40 Kidney, Acute Nephritis.
41 Large White.
42 Small White.
43 Granular.
44 Lardaceous.
45 Infarct.
46 Surgical.
47 Congenital Cystic.
48 Suprarenal Rest in Tuberculosis of.
49 Bladder, Cystitis.
50 Villous Tumour of.
51 Testis, Tuberculous.
52 Suprarenal, Tuberculosis.
53 Oesophagus, Carcinoma.
54 Stomach, Acute Gastritis.
55 Chronic Gastritis.
56 Peptic Ulcer.
57 Carcinoma.
58 Intestines, Acute Enteritis.
59 Typhoid Ulcer.
60 Tuberculous Ulcer.
61 Carcinoma.
62 Vermiform Appendix, Catarrhal Inflammation.
63 Suppurative and Gangrenous Inflammation.
64 Chronic Obliterative Inflammation.
65 Rectum, Polypus.
66 Lymphatic Gland, Tuberculosis.
67 Breast, Mastitis (acute).
68 Mastitis (chronic).
69 Fibro-adenoma.
70 Fibroma.
71 Carcinoma.
72 Uterus, Chorion-epithelioma.
73 Scolla from Hydatid Cyst.
74 Strongylos in Lung.

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6 Tubercle Bacilli lying in a hyperplastic and cystic gland. (Mounted and Stained by Dr. Leslie Buchanan).

7 Tubercle Bacilli lying inside a phagocyte or white blood corpuscle. (Mounted and Stained by Dr. Peter Paterson).

8 Geographical Distribution of Phthisis.

9 Analysis of Mortality in Edinburgh from all causes during ten years, 1890-1899 inclusive.

10 Comparative Tables showing Death-Rate per 1000 from Tubercular Phthisis in England and Wales.

11 Comparative Tables showing Death-Rate per 1000 from Tubercular Phthisis in England and Wales, Males and Females.

12 Diagram showing the number of deaths per annum occurring in London at "All Ages" from the principal causes of death, 1896-99.

13 Liegehalle used as Corridor.

14 Mundesley Sanatorium.

15 Palkenstein Sanatorium.

16 Albertsberg Sanatorium. "Best Cure in Summer.

17 Göttersdorff Sanatorium. Liegehalle used as a Sanatorium.

18 Grabowssee Sanatorium. Döcker Hut used as Liegehalle.

19 Rowton House, Hammersmith.

20 Sun-trap. 2 Cubicles.

21 Pocket Slitlungs.

22 Cast of Bronchial Tree in fusible metal. Front View of Left Lung.

23 Specimen of Tubercle Bacilli in Milk. (Mounted and Stained by Dr. Carstairs Douglas).

24 Tubercle Bacilli in Sputum. (Mounted and Stained by Dr. Carstairs Douglas).

25 Tubercle Bacilli in Sputum. (Mounted and Stained by Dr. Carstairs Douglas).

26 Tubercle Bacilli lying in the tissue of a tuberculous lung. (Mounted and Stained by Dr. Leslie Buchanan).

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31 Comparative Tables showing Death-Rate per 1000 from Tubercular Phthisis in England and Wales, Males and Females.

32 Comparative Table of Mortality from Phthisis in Glasgow per 1000,000 inhabitants in Quintennial Periods for 45 years, 1855-99, Inclusive.

33 Comparative Table of Mortality from Phthisis in Edinburgh per 1000,000 inhabitants in Quintennial Periods for 45 years, 1855-99, Inclusive.

34 Diagram showing the number of deaths per annum occurring in London at "All Ages" from the principal causes of death, 1896-99.

35 Diagram showing the proportion of deaths from Tubercular Diseases per 100 deaths from "All Causes" at each age period, London, 1897-99.

36 Diagram showing Phthisis Rate per 10,000 of Population (England and Wales).

37 Diagram showing the number of deaths occurring in London at ages 30-40 from the principal causes of death, 1900.

38 London, 1898. Diagram showing Mortality from certain diseases in relation to overcrowding.

39 London, 1898. Mortality and overcrowding. Diagram showing comparative Death-Rates from "All Causes," and from "All Causes excluding Phthisis," at certain age-periods in groups of London Sanitary Districts arranged with respect to their condition as to overcrowding.

40 Diagram showing the relation of deaths from Tubercular Diseases to total deaths from "All Causes" at each age-period. London, 1897-99.

41 Diagram showing comparative Death-Rates from Phthisis at certain age-periods in groups of London Sanitary Districts arranged with respect to their condition as to overcrowding.

42 Diagram showing the relation of deaths from Tubercular Diseases to total deaths from "All Causes" at each age-period. London, 1897-99.

43 Diagram showing deaths from Phthisis per 100,000 living in successive decennia. London, 1851-1900.

44 Diagram showing Small-Pox Mortality, 1848-1892.

45 Diagram showing Small-Pox Mortality, 1848-1892.

46 Diagram showing Cases and Deaths, Small-Pox, vaccinated and unvaccinated, 1901.

47 Diagram showing the proportion of deaths from Tubercular Diseases per 100 deaths from "All Causes" at each age period, London, 1897-99.

48 Diagram showing the proportion of deaths from Tubercular Diseases per 100 deaths from "All Causes" at each age period, London, 1897-99.

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72 Diagram showing the proportion of deaths from Tubercular Diseases per 100 deaths from "All Causes" at each age period, London, 1897-99.
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45. Tobin's Tubes, short and long in elevation and in situ.
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51. Ordinary Room. With an ordinary grate and no provision for Ventilation. Showing temperature at various parts of the room taken from actual conditions.
52. Ordinary Room. With Ventilating grate showing circulation of heat and removal of vitiated air.
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77 Flushing Closeters.—Spindle-valve—plug-siphon —ordinary syphon—annular syphon
78 Pompeian Stereomimium
79 Flushing water closet apparatus, Sir John Harrington's closet, 1586, showing part in elevation and part in section
80 First Patent Closet. Alex. Cummings, 1775
81 Beilby's Closet
82 Four old Hopper-shaped Closets ranging from 1841 to 1875
83 Trapeze Closet
84 Pica's Closet, Improved
85 Valve and Washdown Closet
86 Housemaid's Closet
87 Wash-out Closet
88 Syphon Closet in use
89 A Typical Wash-down Closet
90 Section of a house showing very bad conditions, water supply contaminated and drains ventilated into the house.
91 Slop Closets. Fowler's & Day's
92 Slop Closets. Hill's
93 Slop Closets. Duckett's
94 Trough Closet
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96 Water Closets. Two Closets with all details in conformity with London County Council regulations, showing elevation and section
97 Lead to Iron connection. Section
98 Earth-tube to Lead connection. Section
99 Soil Pipe and Drain connection. Section
100 Old Pan Closet. With Container Cistern, D Trap, etc.
101 Defective Traps in section five condemned specimens—D Trap—Bell Trap—Diposene Trap—Syphon and Syphon with eye
102 Inspection Chamber. With Channels—Air-tight Cover—Air Inlet—Intersecting Trap
103 Drain Pipes. Six forms, including Self-Adjusting—Ordinary—Archer's—Stanford's—Hassell's—Double Seal
104 Grease Trap. Arranged as recommended by best authorities, with Automatic Tank
105 Traps. Including—P.S.—Sediment—Gully—Interceptor
106 Alignment of Drains. Old and new
107 Correct and incorrect
108 Drain. On concrete truly laid
109 Drain. Improperly laid, with following defects: bad gradients—leaking joints—sediment collected—diluted subsoil—untrue invert—settlement—rat holes
110 Drainage. System for Detached Houses facing Main Road with Stables at Back
111 Drainage. Do. Semi-detached with Sewer in front
112 Drainage. Do. Attached with Closets at back and Sewer in front. Separate system
113 Drainage. Do. Attached with Drains and Sewer at back. Combined system
114 Section showing details of the systems named above
115 Pipes, Junctions and Bends
116 Old Brick and Stone Drains
117 Sewage Disposal. Plan and section of a system suitable for country mansion or village—Sub-Irrigation and Broad Irrigation
118 Nomenclature. Traps D. P. Q. S. U. V. W.
119 Buchan's intercepting trap, with details
120 Weaver's intercepting trap, in situ
121 Trap unserved by syphonage or evaporation
122 Hellyer's and Dubois' drawn lead Traps
123 Trap rendered useless by the misplacement of overflow pipe
124 Lead Traps for lavatories, baths, sinks, etc., ordinary and special forms
125 Modern practice of disconnecting waste pipes
126 Water, Buchan's, Latham's, and the Croydon traps
127 Specimen of Hopper head connection
128 Field's, Improved Kenon, Hellyer's, and Treble Seal Traps
129 Fat or Sediment Trap. Yard and street gullies
130 Manhole Covers
131 Section of floor of manhole trap
132 System adopted in deep manholes
133 Gully Traps, ordinary
134 Potter's Edinburgh Trap
135 Gully trap recommended by L.G.B.
136 Tidal Valves or Traps
137 Plan of inspection chamber
138 Inspection chamber, with branch drains
139 Inspection bend, pipe and junction, in situ

Conservancy System.

140 Earth Closets with parts in detail
141 Earth Closet (Dr. Foore's)
142 Ash Closet (Morrell's)
143 Privy over water course
144 Privies with fixed and portable receptacles
145 Privy and Midden against dwelling with window over
146 Rochdale and Goux Falls
147 Destructor (Pryer's). For Sewage and House
148 Dust Bin. Fixed. Bad
149 Dust Bin. Portable—conforming to L.C.C. regulations
150 Refuse. Disposal by burning in Kitchen Range

Disinfection.

151 Steam Disinfector. (Lyon's)
152 Diseases. Showing incubation and infective periods
153 Diseases. Seasonal variation
154 Disinfestants
155 Germicides. Chemical and Natural
156 Antiseptic and Preservatives
157 Deodorants
158 Milk Sterilizers
159 Fumigation. By Sulphur
160 " " By Machine
161 Sulphur Candles
162 Isolation Sheet
163 Spraying Apparatus for disinfecting rooms
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**PHOTOGRAPHS OF RIPPLES.**

By Dr. J. H. Vincent.

Illustrating acoustical and optical phenomena by photographs of ripples on the surface of mercury and water.  
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1a. Interference. Two point sources same phase. The straight lines are those of minimum disturbance: they are hyperbolas of which the centres of disturbance are the foci.

2a. Interference, showing confocal hyperboloids and ellipses, the latter being the light oval curves in the centre.

3a. Interference to illustrate Mesnil’s experiments.

4a. Beats. The curved light lines of minimum disturbance rotate towards their convexities.

5a. Two sets of ripples propagated independently, one four times as rapid as the other.

6a. One point source and a reflecting line producing Lloyd’s bands.

7a. Virtual image in plane rectilinear reflector.

8a. Virtual image in concave reflector.

9a. Spherical aberration in concave mirror.

10a. Virtual image in convex reflector, showing interference fringes.

11a. Plane rectilinear waves brought to a focus in concave reflector, showing two series of parabolic interference fringes.

12a. Reflection of plane (linear) waves in a plane (linear) reflector, showing diffraction.

**RIPPLES ON MERCURY.**

"Philosophical Magazine," February, 1898.

1b. Ripples due to agitation of support of mercury trough by a musical note.

2b. Ripples due to agitation of support of mercury trough by noise.

3b. Point source and its image at equal distances from concave reflector, showing conjugate foci.

4b. Real image of point source in a concave reflector, showing normal and abnormal foci.

5b. Spurious ripple focus.

6b. Conjugate foci of ellipse.

7b. Source at centre of ellipse, showing two nod conjugate to the centre near each end of ellipse.

8b. Plane diffraction grating effect produced by ten equidistant sources.

9b. Analogous to a zone plate in optics.

10b. Ripples caused by a card out to represent a median section of a circular zone plate. This and No. 9b illustrate the facts that the focal length of a zone plate is less for red than for blue light.

11b. Reflection in a prism.

12b. Refraction in three circular patches of mercury covered with water.

**RIPPLES ON MERCURY.**

"Philosophical Magazine," September, 1898.

1c. Doppler’s principle.

2c. Waves formed by motion of a style along the surface of the mercury.

3c. Interference between two sources of nearly the same frequency, 130 and 170.

4c. To get wide interference bands in optics, the two point sources must be near together.

5c. The sources in these photographs vibrate in opposite phase. The bright lines of minimum disturbance decrease in number as the sources approach each other until in No. 5c only the centre band is left.

6c. Young’s experiments.

7c. Arago’s experiment to test Newton’s emission theory.

8c. Rowland’s concave grating 10 sources, frequency 170.

9c. Interference pattern produced by three point sources vibrating in same phase.

10c. Ripples caused by impact of a shot.

11c. Ripples caused by a ricochet.

**RIPPLES ON WATER SURFACE.**

"Philosophical Magazine," October, 1899.

1d. Refraction of plane (rectilinear) waves in a plane (rectilinear) surface.

2d. Fringes analogous to those joined by a bi-prism caused by a glass cylinder just submerged, the waves being retarded in passing over the shallow portion.

3d. Refraction in a medium of increasing optical density.

4d. Refraction of spherical (circular) waves in a plane (straight line), showing also Lloyd’s bands due to reflection.

5d. Reflection of plane (rectilinear) waves in a lens.

6d. Refraction of spherical (circular) waves in a lens giving plane rectilinear waves.
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4. Diagram to explain why the waves are visible
5. Bullet passing through ether vapour and carbonic acid gas
6. Reflection of air waves caused by bullet from flat surfaces
7. Martini-Henry bullet, travelling 1,296 feet per second, disturbed by reflections of air waves from flat surfaces
8. Shot, Schultz No. 5. Right barrel, showing air waves and wad
9. Magazine rifle bullet striking sheet of plate glass, showing back splash of glass dust
10. Bullet passing through plate glass
11. Bullet, after passing through plate glass' surrounded by glass dust. Plate beginning to break up
12. Bullet clear from glass dust. Air waves caused by glass dust, and hy of piece of glass punched out by bullet

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6. Spherical wave starting at focus of concave spherical mirror
7. Reflection in elliptical mirror
8. Transformation of spherical into plane wave by reflection from parabolic mirror
9. Transformation of spherical into plane wave by C. O. lens
10. Reflection of wave from corrugated surface showing secondary wavelets (Diffraction Grating)
11. Passage of wave through grating showing secondary wavelets
12. Huygen's Principle Passage of wave through two slits showing formation of complete secondary waves
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3. Normal Solar Spectrum, the D and raim band. September, 1890.
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25. Artificial Sun Spots. (7) Taken in 1898, August 9, 10 hours, 19 minutes 25 seconds Greenwich mean time, at the Royal Observatory, Greenwich, with the Thompson Photokilogram of 9 inches aperture (Negative image).

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52. The Annular Nebula in Lyra, from a photograph by Mr. Trepied. November, 1890.
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58 Photograph of the Nebula Major by Dr. H. C. Russell.
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75 Photograph of the Nebulosity surrounding the Pleiades. Taken by Mr. E. E. Barnard at the Lick Observatory, Mt. Hamilton, California, on December 6 and 8, 1893, with the Willard Lens of 8-in. aperture and 31-in. focal length. January, 1894.
81 Photograph of Nebulosity near Antares and Nu Scorpii, taken by Professor E. E. Barnard at the Lick Observatory, Mt. Hamilton, California, on June 21-22, 1895.
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125 Nebula H. V. 14 Cygni. Photograph taken by W. E. Wilson, D.Sc., F.R.S.
126 Cluster M. 18 Hercules. Photograph taken by W. E. Wilson, D.Sc., F.R.S.
127 Ring Nebula Lyra. Photograph taken by W. E. Wilson, D.Sc., F.R.S.
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202 The Great Siderostat of the Paris Telescope. (November, 1900)

203 The Milky Way in Cygnus from a photograph taken by Mrs. Walter Maunder, August, 1899, with a 7-in. equatorial lens of 14 in. aperture, and 9 in. focal length. Field 90° side. Exposure 6 hours. (December, 1900)

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206 Where Four Mountains Surround Stars. From the Stonyhurst Drawing, 8, Fleet Street, Temple Bar, London, E.C.

213 The Corona of the Sun, 1899, 14th. November, 2d. 4h. 15m. (November, 1900.)

214 Photograph of the Belt and Sword of Orion. (April, 1901)

215 The° America Nebula in Cygnus. Photograph taken March 7, 1899, 6.5h. Paris mean time, with the Great Equatorial Coude of the Paris Observatory. Scale:—Diam of moon, 261m.; moon’s age, 4d. 8h. 4m. (March, 1901)

207 Life History of a Sunspot Group, illustrating four types. From the Stonyhurst Drawings, 1884. (May, 1901)

208 Photographs of the Spectra of Nova Perami and Cirro-Culaus. (May, 1901)

209 Nova Persei and Surrounding Stars. From Photograph taken by Mr. A. Stanley Williams, was not visible when the first photograph was taken with a 4½ in. portrait lens. Nova Persei was not visible when the first photograph was taken, but appears as a bright star near the centre of the second picture. (July, 1901)

210 The Ringed Planes of the Mare Nubium. From a photograph taken 1896, September 25th, 10½h. Paris mean time, with the Great Equatorial Coude of the Paris Observatory. Scale:—Diam. of moon, 261m.; moon’s age, 23d. 14th. (September, 1901)

211 The Corona of 1891, May 15th. Photographed at the Royal Alfred Observatory, Mauritius, with the Newbegin telescope; 41 in. Cooke photo-visual object glass; local length, 71m. (1) exposure, 2 sec.; time, 22æeconds, after second contact. (2) exposure, 8 sec.; time, 145æeconds, after second contact. (October, 1901)

212 Photographs of the Spectrum of Nova Persei, 1891; Stoneyhurst College Observatory. (January, 1902)

213 The Corona round the South Pole of the Sun. Total solar eclipse, May 18th, 1901. From a photograph with the Newbegin telescope, at Mauritius. (February, 1902)

214 Photograph of the Belt and Sword of Orion. Taken by A. Smith, Dalbeattie, on 2nd February, 1900. Exposure, 2h. 40m. (June, 1902)

215 The “America” Nebula in Cygnus. Photographed by Dr. Max Wolf, 1901, July 19th, and 20th. Total exposure, 4h. (July, 1902)

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216 “Mare's Tail” Cloud; 6h. 25m., local time. Photographed, May, 1899. (September, 1899)

217 “Mackerel Sky,” 1898, September; 2d. 4h. 31m. (September, 1899)

218 Large Thunderstorm Cumulus, photographed on 1899, August, 26th. 1h. 20m. (September, 1899)

219 Light Cirro-Cumulus in the upper regions, with stratus in the foreground, September, 1897, 16d. 4h. (September, 1899)

220 Stratus, 1898, November, 2d. 4h. 16m. (Sept.1899)
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241 The "America" Nebula in Cygnus (July, 1903).
242 The Lunar Apenines. From a photo taken 1895, March 4th, 6th, Paris Mean Time, with the Equatorial Conde of the Paris Observatory. Scale: Diameter of Moon, 44 in.; Moon's Age, 8d. 1h. 7 (April, 1904).
243 The Great Sunspot of 1902, October 9th. 3h. 43m., Calcium Floculi, Middle B, Level, 1903, October 9th. 1h. 4m., Hydrogen Floculi (July, 1904).
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258 Great Nebula near Ophiuchus. From a photograph by Prof. E. Barnard, of the Lick Observatory (July, 1906).
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262 Nebulosity in the Pleiades. Reproduced from Vol. II. of the Publications of the Verkehr Observatory of the University of Chicago (February, 1907).
263 The Sun, 13th February, 1907, 10.1 a.m., Greenwhich Civil Time. Photo by E. W. Barlow, F.R.A.S. (April, 1907).
264 The Great June Sunspot. Photograph of the Sun, taken in "K" light, 20th June, 1907, at 12h. 47m. p.m. (July, 1907).
266 Comet 1908c, Morehouse, taken 24th October, 1908. Exposure 50 mins. (December, 1908).
267 Great Nebula in Andromeda (April, 1908).
269 Lightning Flash. Cloud to earth discharge, showing the ramifications directed earthwards, August, 1906. Chadwell Heath. Photo by J. W. Bridges (December, 1906).
270 A Series of Lightning Flashes proceeding from a Cloud to the Earth, illustrating the river-like form of the discharges and the continuity of the streaks representing the several flashes. Photographed by T. N. Leslie at Vereeniging, Transvaal (June, 1907).
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VARIOUS.

273 Spark Electrograph (February, 1905).
274 Electric Discharges. Simultaneous discharge from both poles, showing characteristic figures attached to each. Photo by Mr. K. J. Tarrant, Cheshunt.
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276 Smoke Records of a König Flame (November, 1906).
277 View of the Callinian Diamond, showing one of the great cleavage-planes. It is resting on another cleavage plane. From a photograph by Sir Wm. Crookes, F.R.S. (July, 1905).
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315 Single Individual of the Clad Zoophyte (Clava), much enlarged (January, 1900).
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321 Part of Zoophyte (Aglaosiphonia), much enlarged, showing corbula (January, 1900).
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16 Photograph of the South Pole.
17 Photograph of the Moon 440 Hours Old.
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13 Back of hand and shrivelled ankle, to illustrate the origin of certain mountain ranges.
14 Gassendi.

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1. H.M.S. "Melpomene"  
2. " " Officers  
3. Approaching Vizianagaram, the Station that was occupied  
4. Vizianagaram Fort  
5. Plan  
6. The Camp. "First day after arrival"  
7. " " "Middle of the first week"  
8. " " "A week after our arrival"  
9. " " General View, looking East  
10. " " Panoramic View taken before the Eclipse  
11. Group of Observers taken after the Eclipse  
12. The Eclipse Clock showing how the dial was graduated spirally  
13. The 6-in. grating Spectroscope with Professor Pedler and Staff  
14. The 8-in. Telescope with Sir Norman Lockyer  
15. The Heliometer containing Coronoagraph and Integrating Spectroscope  
16. The Kinematograph worked by the Marquis of Graham  
17. Siderostat and Cameras as arranged for Meteor Observations. No. I.  
18. Siderostat and Camera as arranged for Meteor Observations. No. II.  
19. Dark slide (running plate) used in the 6-in. Prismatic Camera  
20. Apparatus for enlarging Star Spectra  
21. Plan of part of the Vizianagaram Fort, showing positions of instruments

STELLAR AND OTHER SPECTRA.

23. Up-and-down Spectra of Sirius taken with the up-and-down motion, showing how oblique are the spectra produced by this method.  
23. Comparison of Spectra of Sirius and α Cygni, with enhanced lines added  
24. β Lyrae, one for each day  
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26. Stellar Spectra, Ascending Series  
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28. Comparison of α Cygni and the enhanced lines of certain metals. (Chiefly of the iron group)  
29. α Orionis with metallic comparisons  
30. Comparison of enhanced lines with Chromosphere (1898) and α Cygni  
31. Comparison of Corona Chromosphere (1898) and Sun  
32. Comparison of Chromosphere and Sun  
33. Bellatrix with the Hydrogen and Cleveite Gases  
34. Metals up. Diagram showing the behaviour of metals in stars increasing their temperature  
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46. " " " anchored  
47. " " " casting the anchor  
48. " " " The Volunteer Observer on board  
49. " " " The Ship's Company  
50. " " " An Officer

51. The 9-in. Prismatic Camera worked by Dr. W. J. S. Lockyer, No. 1  
52. Group near S. Prismatic Camera, (1) Dr. W. J. S. Lockyer, (2) Lieutenant Martin, (3) Sir Norman Lockyer  
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55. The erection of a Diao  
56. General View of the Eclipse Camp  
57. View near view  
58. Kio Fjord, Lapland  
59. Our Marine Guard  
60. Chart of Sky in region about Sun during the Eclipse  
61. What we saw of the Eclipse  
62. The Integrator and its staff of workers  
63. Group of Observers, taken after the Eclipse  
64. Packing up after the Eclipse

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70. Group on board H.M.S. "Melpomene"  
71. Eclipse Camp  
72. Excursionists from Bombay to Vizianagaram to view the Eclipse  
73. Government Packets at work  
74. Our Police Guard, Instruments.

66. 6-in. Prismatic Camera with two prisms  
77. 9-in. " with one prism  
78. " " " Reflector, two prisms  
79. " " " Prism  
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144 Skull of Ichthyosaurus platyodon
145 " " Long-necked Sea Lizards
146 Skeleton of Plesiosaurus macrocephalus
147 Restored Skeleton of Brontosaurus excelsus
148 Lower Jaw-bone of Megalosaurus, with Teeth
149 Skeleton of Megalosaurus
150 Slab of New Red Sandstone, with tracks
151 Skull of Ceratopsaurus macrorhinos
152 Skeleton of Compsoognathus longipes
153 " " Iguanodon Bernissartensis
154 " " Iguanodon Mantelli
155 Tracks of Iguanodon
156 Restored Skeleton of Scelidosaurus Harrisoni
157 Skeleton of Stegosaurus ungulatus
158 " " Triceratops protoceras
159 " " Dinorhophon Macronyx
160 " " Scaphognathus crassirostris
161 " " Pterodactylus spectabilis
162 " " Rhamphorhynchus phyllurus
163 " " Ossosaurus Hoffmann
164 Teeth of Mosasaurus
165 Snout of Tylosaurus
166 Skeleton of Classastes cicerinum
167 " " Tinoceras ingens
168 " " Brontops robustus
169 " " Sivatherium gigantum
170 " " Megatherium americanum
171 Restored Figure of Giganto Junioride, Colossochelys alatus
172 " " Extinct Giganto Armadillo, Glyptodon clavipes
173 Skeleton of Mammut, Elephas primigenius
174 " " Mammoth, engraved on Mammoth Ivory
175 Skeleton of Mastodon arvernensis
176 " " Head of Woolly Rhinoceros
177 " " Skeleton of the Elephant-footed Moa, Dinornis elephanteus
178 Skeleton of Great Irish Deer, Cervus gigantus
179 " " Rhytina gigas

Other Skeletons of Extinct Animals.

180 Coecotus—Old Red Sandstone
181 Skull of Diplododon Australis
182 Skeleton of Archaeopyrell
183 " " Hesperornis regalis
184 Skull of Mastodonsaurus
185 Head of Rhinoceros Morokil, found frozen in Siberia
186 Dinotherium Giganteum
188 Limbs of Fossil Horses
189 Skeleton of Paracasaurus Baim—Karoon formation—South Africa
190 Telesaurus (recovered)
191 Belodon (recovered)
192 Footprints of Labyrinthodon Trias
193 Footprints and Rindrops (Connecticut)
194 Labyrinthodon (skeleton)
195 Branchiosaurus Salamandrae (Skeleton)

Ideal Landscapes.

196 Carboniferous period. Flora of Switzerland
197 New Red Sandstone Period. Basle during Keuper period
198 Triassic period. Submarine life of the Schambelen period
199 Oolitic period. The Coral Islands of the Jura
200 Miocene period. Oeningen, near Constance
201 " " " Lamann
202 " " " Dürnten during Lignite period
1 Portrait of Sir Richard Owen
2 Tracks (Proteichnites), probably of a crustaceous, from Potsdam Sandstone, N. America. (After Owen.)
3 Footprints of Cretotherium, in the Bunter Sandstone, Hessberg, near Hildburghausen
4 Footprints of Megatherium Connecticut Sandstone. The three tracks in the middle show the mark left by the tail, probably of a Dinosaur. (After Hitchcock)
5 Footprints of Dinosaurs, from Connecticut Sandstone, showing impressions of the small fore feet. (1 and 3.) (After Hitchcock)
6 The Port Jackson Shark (Cestracion Philippi), from the Permian, S. Africa.
7 Spines and teeth of shark-like fossil fishes.—1. Of Pleurocanthus. 2. Of Glyrancanthus. 3. Of Chloracanthus. 4. Of Tothachus. 5. Of Chonseapus. 6. Of Gomphodus. All from the carboniferous rocks
9 Pterychthys Milleri, upper surface. (After Pander)
10 Coccoico restored
11 An Old Red Sandstone fish, Pteraspis, (Restored after Ray Lankester)
12 Restoration of an Old Red Sandstone fish, Cephalaspis Murchtsom. (From the British Museum Catalogue of Fossil Fishes)
14 A ganoid fish, Leptosurus maximus. From the Solenhofen Limestone. 1. A Scale. 2. Teeth
15 Section of tooth of Labyrinthodon. (After Owen)
16 Skull of Labyrinthodont, Mastodonsaurus Jaceri, from New Red Sandstone, Germany
17 Part of Skelton of a Labyrinthodon, Archegosaurus (Dechen), from the Permian, Sarbruch. (After H. von Meyer.) The snout is incomplete. The three ventral plates are seen near the head
18 Head of Archegosaurus. (Permian)
19 Labyrinthodonts. 1. a. Cricotm. 2. Head of Egrop. From Permian strata, Texas. (After Cope)
20 Amblypia of the Coal-forest Period, Acnamodon, Ctenoptychus, Osteolepis, Doryichthys. (Head of)
21 Head of Egrop Macrocephalus, from Permian strata, Texas. (After Cope)
22 Skeleton of a Labyrinthodont, Actinodon, from Permian strata. (Partly after Gaudry)
23 A small Labyrinthodont, Actinodon, restored by Prof. E. Endes, from Permian strata, Bohemia
24 A snake-like Labyrinthodont, Doryichthys, from Carboniferous strata, Bohemia (After Fritzsch)
25 Pterychthys (two species) (after Cope). From coal-measurus.
26 Restoration of skeleton of Labyrinthodont (after Wiedersheim) under side
27 Reptiles and an Amphibian of the New Red Sandstone Period. Rhykusaurus, Mastodonsaurus, Hyperopadoson, Teloperon
28 Lower Jaws of a Labyrinthodont, Cyclopterus
29 Anomodont skulls. a. Head of Liegenodon; b. Head of Undomedon, from Karoo strata, S. Africa. (After Owen.)
30 Fore-limb of Dicyodon, and Arm-bone (humerus) of Dicyodon. (After Owen)
31 Head of a Crocodile from Karoo strata, Placodus planiceps. Length, 6 inches. Karoo strata, S. Africa.
32 Parts of skeleton of Dimetrodon, from Permian strata, Texas. (After Cope)
33 An Anomodont Reptile (Paracarcauris) from the Karoo formation, S. Africa
34 Skeleton of Teloperon Elginus, from the Elgin Sandstone. 1. Tooth. (After Mantell)
35 1. Skull of Ancylosaurus Artticos from the Trias from the New Red Sandstone near Shrewsbury; 2. natural size. 2. Upper aspect of a dorsal vertebra. (After Mantell)
36 Front view of skull of Euphraxis Mirabilis, as restored from natural moulds in the Elgin Sandstone, by Mr. E. T. Newton
37 Side view of skull of Elginia Mirabilis, as above
38 The oldest fossil Crocodile (Belodon) restored, after Fries, from New Red Sandstone Strata, Germany
39 The oldest known Crocodile (Belodon), New Red Sandstone Period, also the little Aetosaurus
40 Ancient Crocodilians. Jurassic Period, Pterosaurus, Teleosaurus
41 A Crocodile of the Jurassic Period (Teleosaurus)
42 Cast of a model of the Crocodilian Reptile, Pterygostoma Typus, from the Upper Lias, Curey, Normandy. (From a drawing by J. R. Hutchinson.) The original specimen was worked out from the matrix of Prof. E. Endes. It consists of seventy-four parts, and is now in the Natural History Museum, London
43 Fossil remains of a Crocodilian Reptile (Gonophoros), from the Wealden deposits, as above.
44 Restored skeletons of Gonophoros Sinus, a crocodile from the Wealden Strata of Belgium, and of Berosia, a crocodile from the Wealden Strata of Belgium. (After De Panu)
45 A carnivorous Dinosaur, Anchisaurus Colurus from New Red Sandstone strata, N. America. (After Marsh)
46 The oldest known Dinosaur (Anchisaurus) from N. America. New Red Sandstone Period
47 Skull of Ceratosaurus Nasicornis. (After Marsh.)
48 A large horned Dinosaur (Ceratosaurus) from N. America. Jurassic Period
49 Skeleton of a large carnivorous Dinosaur, Aetosaurus Nasicornis, from Ceratosaurus strata North America. (After Marsh)
50 1. Skull of Cetiosaurus annectens, side view. 2. The same, front view. (After Marsh)
51 Skeleton of a large herbivorous Dinosaur Clausaurus annectens, from Cetiosaurus strata North America. (After Marsh)
52 A large herbivorous Dinosaur (Clausaurus) from North America. Cretaceous Period. The bird represented on the right is a young Hesperornis.
53 Hind limbs of (a) Bird, (b) Dinosaur, and (c) Crocodile
54 The oldest known bird (Archaeopteryx) and a small Dinosaur (Compsognathus). Jurassic Period
55 A skeleton of a small Dinosaur, Hypsilophodon Fortii, from Wealden Strata, Isle of Wight. Restored by Professor J. W. Hulke, F.R.S. (After Cope)
56 A small Dinosaur (Hypsilophodon) Pterodactyl from Wealden Strata, North America. (After Marsh)
57 A piece of Great Oolite limestone with embedded group of Eggs of Reptiles. (After Buckman)
58 Models by Mr. E. N. Houseman Workshops' Workshop, Dryopidae (Lates), Echidna, Ichthyosaurus
59 Models by Mr. Waterhouse Hawkins, formerly in the Central Park, New York. Hadrosaurus, Megatherium, Glyptodont, Mammoth
60 Mr. Waterhouse Hawkins' Models of Extinct Animals in the grounds of the Crystal Palace, Sydenham. From a sketch by J. R. Hutchinson.
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VOLCANOES

This set of Slides is made from direct negatives taken by Prof. H. J. Johnston-Lavis, Professor of Vulcanology in the University of Naples.

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1 Lava Streams of Vesuvius, 1886, in the Val d’Inferno, from the top of the great cone 27 Neapolitan Rocks seen from the top of Mount Vesuvius, Italy

2 Hollow Dyke (the first described, and the formation of which was followed) Eruption of May 24th, 1885, Vesuvius

3 New Lava forced out over but flowing beneath with numerous spiracles over its surface. June 15th, 1883, Vesuvius

4 Destr. or Spiracles of No. 3

5 Somma and Vesuvius as seen from the East from Terzigno, 1887

6 Some distance above main bifurcation of Vol. Von Buh 7 Upper termination of the Vllone between 450 m. and 750 m., contour line 8 End of Volcanic Polleons at the ridge of Somma, looking across the Atrio del Cavallo to Vesuvius

9 A Cratered Lava Tunnel, containing flowing lava. Openings in top of arch give exit to vapour. Feb. 9th, 1886

10 Cone-forming stage with ejections of lava cakes. Shows influence of wind in making cone symmetrical. Cone of Eruption of Vesuvius. Jan., 1889

11 Cone-forming stage with ejection of lava cakes. Cone of Eruption of Vesuvius, 1889

12 Cone of Eruption of Vesuvius in cone-forming stage, with ejection of lava cakes. Autumn of 1888, Vesuvius

13 Cone of Eruption of Vesuvius in cone-forming stage, ejection of lava cakes. Spring of 1888

14 Cone of Eruption at its maximum development at the end of April, 1889, as seen from the edge of 1882 crater, and looking towards the N.E.

15 Eruptive Cone of Vesuvius, as seen from the edge of the 1872 crater, looking towards the E.

16 Cone of Eruption of Vesuvius, from the edge of the 1872 crater, and looking towards the E.

17 New Bifurcate Crater, looking across both in their axis towards E.S.E. The more distant one is the active one; it is in eruption at intervals of several minutes with ejection of dust, sand, lapilli, and blocks of old lava rock. Vesuvius, Aug. 7th, 1886; between explosions

18 Vesuvius without cap. Seen from Castel del Uovo. Naples

19 Cone of Eruption in full perfection at the end of April, 1889, as seen from the edge of the 1892 crater, looking towards the N.E.

20 Cone of Eruption of Vesuvius, as seen from the edge of the 1872 crater, looking towards due E.

21 Earthquake Phenomena. Earthquake of Ischia, 1888. Gateway on N. side of the island, showing rotation of both cap stones in same direction

22 Rotation after Fracture of one Column, and fall of the fellow one. Earthquake of Ischia, 1881.

At Casamicciola

23 Monte Rippeome Ischia with two landslips, caused by earthquake, 1883, as seen from Mazzarino.

24 Ruins of a Volcanic Region. Punice, tuff and rhyolite dykes. Island of Ponza, looking towards N., from just below Campo Inglesi, Zammone in the distance.


26 Monte Nuovo (formed in two days in 1858) with half of the Lake Avanus and Temple of Apollo, from the northern cliff of Avanus

27 Lake Mud. Monte Nuovo, Monte Barbaro-Cervara, as seen looking to the N.E. from above the Stufe di Nerone

28 Monte Barbaro, the Starza foreshore of Armstrotz, large rocks, built therein at Pozzoll, as seen from the top of the great sheath leg

29 Part of the Starza with the great Trachyte Streams of Monte Olibano, as seen from near the Hotel, G. Bretagna, Pozzoll

42 Webstering of volcanic tuff by saline solutions (see Fungo, A. Fungo, Laccio, Ameio, Ischia

31 Globular Basalt. Aoi Castello, Sicily

32 Columnar Dolerite. Grotta della Palombe, Ena (near Acireale)

33 Mr. Narlian’s Villa in 1887, that was bombarded with volcanic projectiles from the crater of Vesuvius, the cone of which is seen beside the house less than a kilometre distant.) August 3rd—4th, 1888

34 Summit of the Island of Stromboli with the smoking crater at one side, at the upper end of Lo Sciarrca, 1887, June

35 Summit of the island of Stromboli with the crater at one side at the moment of an explosion of lava cakes. Sept., 1889; 2 years after

36 Interior of crater of Vesuvius seen from N.W. edge on September 21st, 1889; commencement of an explosion

37 Another explosion in a less early stage

38 Same explosion as last—about 80 seconds later

39 Explosion from Vesuvius as seen from steamer on way to Messina, as seen from Sept. 23, 1889

40 Panorama of the island of Vulcano, as seen from the Mto. della Guardia Lipari, in 1887

41 Mud spring, Krisuvik, Iceland

42 boiling spring. Krisuvik, Iceland

43 The Al manoeja rift or line of collapse of the crust of the lava lake of Thingvall

44 Looking south over the collapsed and drifted crust of the Thingvalla lava lake, with the water lake and volcanic islands beyond. View from the Logher in the sight of the old Parliament of Iceland

45 The Myrrhis Glacier with terminal moraine and snow-field of the Myrrhis Jökull, Iceland

46 Old submarine hasalt come out into natural archway at Myrdalsey (Portland), S. Iceland

47 A bird mound on the Skaln lava, S. Iceland

48 Broken cone and lava field of the W. Skaptar Stream, Iceland

49 A broken cone that gave issue to a torrent of cold lava. Skaptar, W. Stream, Iceland

50 Arrangements of scoria cones on great W. dyke of the Skapart eruption. Lava field on either side

51 Row of minute cones joining two large ones along the W. dyke of the Skapart eruption

52 Panorama of the lava fields of the Skapart

53 Skapart lava fields with conical hills (pointed and truncated in the distance)

54 Fire and water. The Skapart filled by lava, the Skapart river meandering over surface

55 View towards the three great southern Jókulls from the Solfatora, near Öfcerufði on the Fjallakarsvegur-sýri. Typical Icelandic scenery

56 Corded lava—foot of Hecla

57 Columnar (radiating) basalt in Brunn

58 Perigge rocks on the Myrrhis Jökull rift

59 Rift. The Stapagis with snow at bottom

60 Same taken from the interior

61 Globular basalt. Cape Reykjan

62 Dyke lava, the distal end of the dyke, etched out by natural sand blast. Road from Reykjanes to Stadir

63 Bhol cone spiral on lava close to main road near Nesjavellir

64 Rooher du St. Michel du Puy, Central France

65 An old tuff-choked volcanic neck denuded

66 Puy de Vache (Auvergne). Breached cone (typical)

67 Ditto, with another neighbouring cone

68 Typical trachyte dome of the world, Le Puy

69 Sub of Monac, near St. Julien de Chapelle

Typical denuded columnar trachyte cone

90 Very long Basalt Columns, Le Orgues d’Espaly

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2 Granite from the Chéviots.
3 Pitchstone from Arran. Crystals of Felspar embedded in a brown glass containing groups of mohriths.
4 Perlitic Pitchstone; Sandy Braes, Antrim, A. Crystals of quartz embedded in brown glass, showing perlitic cracks.
6 Ophiolite Dolerite, Conron, Montgomeryshire. Twinned Plagioclasie Felspar Crystals embedded in crystals of angite.
7 Porphyritic Olivine Basalt, Arthur’s Seat, Edinburgh. Porphyritic Crystals of Plagioclasie Felspar, Olivine, Angite and Magnetite, in a finely crystalline matrix.
8 Ordovician Gneiss, Breidden Hills, Montgomeryshire. Grains of Quartz and Felspar cemented together.
10 Oolith Limestone from Portland, showing the radial and concentric structure of the grains, and the bits of shells, sandgrains, or foraminifera on which they are built.
12 Contorted Biotite-schist. (Micro, about X 30).
13 Contorted Mica-schist showing Blip—strain cleavage. Malben (Micro, about X 20).
14 Mylonite (Quartz-schist). (Micro, about X 20).
15 Mica-schist (Mycite-schist) with "eyes" of Felspar. Loch More, Sutherland. (Micro, about X 20).
16 Mica-schist (Mycite-schist) with "eyes" of Felspar. Loch More, Sutherland. (Micro, about X 20).
17 Contorted Hornblende Gneiss, view of, Near Tongue, Sutherlandshire. (Micro, about X 30).
18 Micropymatite in Granophyre (Micro, about X 20).
19 Basalt Dyke in ancient (Lewisian) Gneiss. View near Lochinver.
20 Marble, from Constantiropole.
21 Granite, Cleopatra’s Needle.
22 from Aberdeen.
23 Upper Silurian Limestone from Dudley.
24 Oolitic Limestone.
25 Chalk.
26 Flint Drift from Norwich.
27 Iron Ore.
28 Lead Ore.
29 Crystal of Silver.
30 Native Gold.
31 Gold-bearing Quartz.
32 Nile Axuravurine.
33 Breciated Jasper.
34 Agate.
35 Calamites in Coal.
36 Fossil Wood in Coal.
37 Cannell Coal.
38 Ditronga plana, from the London Clay.
39 Chalk Cliffs near Dover, St. Margaret’s Bay.
40 Chalk Cliffs, Flamborough.
41 Chalk Arches.
42 "Caves, Chislehurst entrance showing junction of the chalk with and 43 Chislehurst Railway cutting near south entrance to the tunnel showing oyster beds.
44 Poll Hill. Chalk pits near Sevenoaks.
45 Lime Kilns.
46 Filey Brigg.
47 Filey Brigg, showing rocks worn by the action of the sea.
48 Boulder clay cliffs.
50 St. Ives, rock bound coast.
51 "Clodgy pound showing rocky headland.
52 Land’s End. Vertical stone columns.
53 Lundy rocking stone.
54 Hastings Sand.
55 "Top of Norman Mound.
56 Rock shelter.
57 Red sand stone quarry, Silico. Beds.
58 Landlip clay cliffs, Walton-on-Naze.
59 Fossil Coral, Beith, Scotland.
60 Endogenites, Crossi, Carboniferous formation.
61 Mica Schist with garnets, Scotland.
62 Felsite, Porphyritic conglomerate, Stonehaven.
63 Oolite, Normandy.
64 Red byanite, Laibe, Scotland.
65 Partite, Inchcolm, Firth of Forth.
66 Diabase, from Dittenborough, Nassau.
67 Chert, greensnash nod in blue marl.
68 Granodiorite from West Philadelphia, moving bubble.
69 Hypersine, Paul’s Island, Newfoundland.
70 Quartz with moving globules of Carbonic Acid.
71 Agate section, from Southwold.
72 Marriage granite, from Cornwall.
73 Granite, from Mount Mourn, Ireland.
74 Sandine Trachyte, Mt. Olbaine, Naples.
75 Chalk from Lurgan. Volcanic ash with Jasper from Antrim.
76 Diabase, from Cumberland.
77 Flour spar, Derbyshire.
78 Marble, from Blair Athol.
79 Granite, from Pembrook.
80 Fossil wood, Lough Neagl, Ireland.
81 Nepbritte, Poliar.
82 Nephrite Dolerite, South Germany.
83 Moonstone.
84 Flint section.
85 Lignite, from Harger, Nassau.
86 Concretion (Microscopic), Lower Eocene, Hertfordshire.
87 Encretine marble, Hildburg.
88 Forest marble, from Islip, Oxon.
89 Carrara marble, Italy.
90 Luedill lava, from Mt. Somma.
91 Sandstone, Italy.
92 Chalceopyrites, from Peru, Poliar.
93 Lava, from Cotopaxa.
94 New red sandstone, from Cumberland.
95 Hornblende granite, Aberdeen, Poliar.
96 Nummulite limestone, India.
97 Nummulite limestone, Singapore.
98 Coal Fossil, Cambriate, represented now by the Equesitum, or Marestail.
99 Coal Fossil, Lenticendorum, represented now by the Club Moss.
100 St. Vincent, Volcanic Ash.
101 Red Rain from Melbourne.
102 "
103 Quarts Crystals.
104 Banded Agate.
105 Uncut Diamond, showing Squares.
106 Uncut Diamonds, showing Triangular Crystals.
107 View of the Cullinan Diamond, showing one of the great cleavage planes. It is resting on another cleavage plane. From a photograph by Sir Wm. Crookes, F.R.S. ("Knowledge," July, 1905).
108 The Cullinan Diamond, drawn to compare with other large gems.
109 Moss Agate, S. America.
110 Conglomerate, Hertfordshire.
111 Silex, Acharivnt to Echirich, Transverse Section.
112 Halotsides Splendes, Shell.
113 Section of Pearl. A. Littton Margaritifera.
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5 Natural jointing of Slate, with lines of cleavage.
6 Glacially smoothed surface of Pre-Cambrian Grit, while lines are Glacial Striae, black lines are Joints of Rock, above Llanaur.
7 Estuary beyond Cader-Idris and Dolgelly from Panorama Walk, Barmouth. Note rounded hills in foreground, glacial and jagged peaks above the line reached by ice (foreground Pre-Cambrian, back Llanaur, series). Note wall of alternate bolder and strakes.

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1 River Terraces
2 Flint Implements. No 1
3 Arrow heads
4 Stone Implements. No 2
5 Man and two Women of Paleolithic Period
6 "Woman making Flint Implement
7 North American Knife, and Australian Native Making Flint Weapon
8 Formation of Limestone Caverns
9 Stalactites, Luray Cavern
10 The Spy Man (skull)
11 The Neanderthal and other skulls compared
12 The Newly-discovered Human Remains from Java
13 Harpoons and Arrow-heads. La Madeleine
14 Arrow-heads. Javelin and Needle
15 Eviction Scene at Wookey Hole, near Wells, Older stone age
16 Wookewy Hole. Old stone age is now (Photo)
17 Engraving on Bone, Cresswell Crags
18 Rock Shelter of Reindeer Hunters (De Mortillet)
19 Hunters in Rock Shelter at Night
20 Map showing former extension of the Ice Sheet
21 Hunting the Reindeer
22 Hunters feeding on Horse Flesh
23 Hunting the Mammoth
24 The First Scaper and First Rope and Tanner
25 Flint Utensils and Tools. La Madeleine
26 A Sculptor of La Longerie Basse
27 Engraving of a Reindeer. Thayingen
28 Engraving of Bone, Horn, and Ivory
29 Two Engravings on Horn
30 Engravings on Reindeer Antler
31 Engraving of Cave Bear
32 Engraving of Cave Bear
33 Human Skeleton from Cave near Montemorency (Riviere)
34 Lake Dwelling Settlement (restored) [age]
35 Swiss Lake Dwellers. An evening scene. Bronze
36 Inside a Lake Dwelling's Hut

37 Pottery from the Lake Dwellings
38 Plan of a British Crannog
39 Boat hollowed out of Tree Trunk
40 Bronze Axes and Haining
41 Bronze Swords
42 Weapons and a Shield
43 The Warrior's Courtship, Denmark. Bronze age
44 Two British Warriors. Bronze age
45 British Coracle
46 Long Barrow, as restored by Thurman
47 Plan of Uley Barrow
48 Entrance to Uley Barrow
49 The Chambered Cairn of Maesowere
50 Inside View of Maesowere [Age]
51 An Interment in a Long Barrow. Later Stone
52 Bell-shaped Barrow
53 Section of Bowl-shaped Barrow
54 Hut-circle on Dartmoor
55 Standing Stones in the Khasia Hills
56 Karna. Alignments at
57 "Front Row at Le Menee
58 Plan of Karna Alignments
59 Parallelithia at Merival Bridge, Dartmoor
60 Chambered Cairn at New Grange, Ireland
61 Carvings on Dolmens in Brittany
62 Cromleches on Dartmoor
63 French Dolmen. Brittany. No. 1
64 Making a Dolmen
65 Stonehenge restored
66 Plan of
67 "sait is now
68 Avebury Circles restored
69 Circles at Old Kelg, Scotland
70 Cruciform Monument at Calverlesh, Scotland
71 The Ring of Brogar, Stennis, Orkney
72 The Construction of Stonehenge
73 Homestead in the Early Iron Age
EDUCATIONAL SERIES OF SLIDES—Continued.

ZV

NEBULA TO MAN.

From the original illustrations by Ernest Bucknall, John Charlton, Joseph Scott, Lancelot Speed, Charles Whymper, Edward A. Wilson, and Alice B. Woodward.

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2. Great Nebula in Orion.
7. Fishes of the Silurian Period.
8. Silurian Period, Large Club Moss.
10. Devonian, Landscape, in mosses, Ferns, etc.
11. Fishes of the Carboniferous Period.
12. Carboniferous Period, Landscape.
13. Landscape, with Animals.
14. Fishes of the Permian Period.
15. Permian Period, Animals.
17. A Triassic Labyrinthodont and Belonnite.
18. Pareiasaurus, found in South Africa.
19. Plesiosaurs.
21. Ceratosaurus, found in Colorado, U.S.A.
22. Fishes of the Jurassic Period.
23. Jurassic Period, Marine Animals.
24. Megalosaurus.
25. Flying Dragons, Rhamphorhynchus.
27. Stegosaurus Ungulates, from Wyoming.
29. Brontosaurus, from Wyoming.
31. Iguanodon (found in England).
33. Mosasaurus, from the Valley of the Meuse.
34. Polocemus, Isle of Wight.
35. Hesperornis Ichthyornis, from Kansas.
36. Reptiles of the Cretaceous Period, Lizards, etc.
37. Triceratops, Cretaceous Strata.
38. Pterodactyl, Bats, Western Kansas.

AET

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5. Clearing away Debris, the result of a fall of the roof on one of the main levels.
6. Mine box let down from a side gallery ready to be pushed off and added to a train of boxes.
7. Train of Boxes being drawn from a side gallery into the main slope.
8. Miner Tamping a Charge of Powder preparatory to firing.
10. Bank Head Creeper and Tipler for turning out the coal from the boxes on to screens where the fine coal is separated from the lump.
11. View of Two Tiplers for turning out the coal from the boxes.
12. View of Screens and Picking Tables for removing stone and other foreign materials from the coal.

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AL

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1. The Chief Mining District of Cornwall, View of Surface of Country.
2. Dolcoath Mine, Pumping Engine on Surface.
3. Four Rock Specimens.
4. Blue Hills Mine, above the 60 fathom level.
5. " " " Heave looking West, 60 fathom level.
6. " " " Heave looking East, 60 fathom level.
7. Cook's Kitchen Mine, end of ground, illustrating lode structure.
8. East Pool Mine, Surface of Shaft, showing Pumping Engine, &c.
10. Dolcoath, Man Engine at Surface.
11. Section of Dolcoath Mine.
12. Dolcoath Miners ascending by Man Engine at the 334 fathom level.
14. Dolcoath, Balance Box at 336 fathoms.
15. " Miners in a Gig and portion of Skip-Road at 302 fathoms.
17. Dolcoath, 302 New East Shaft.
19. " " " Bottlemouth Mine Shaft, " mile below surface.
20. Dolcoath, Air Compressor Engine.
24. Working the Air Wash, East Pool.
27. East Pool, Underhand Stopping.
29. East Pool "Cromst" time, miners at lunch, 70 fathoms.
30. Working on at rich lode, Dolcoath, 412 fathoms.
31. Cook's Kitchen, Looking up the 355 Stopes.
32. Timberyng at 466 fathoms.
33. East Pool, Horse of ground between the tin and copper lodes.
34. " " 300 fathoms level.
35. " " 370 Stope, showing supports.
36. " " 385 Stope at 70 fathoms.
37. Dolcoath Mill or Pass 413 fathoms, loading Waggon.
38. " 400 fathoms level.
39. Working in the 412 fathom level, Dolcoath (Steel)
40. Hauling tram-road 376 fathoms, New East, Dolcoath.
41. East Pool, 70 fathom tramroad.
42. East Pool 170 fathom level, Tramroad Bridge.
43. At work in the 180 fathom level, East Pool.
44. Waggon of Tinsuff at Shaft.
45. Waggon of Tinsuff tipped.
46. Leathering the Stuff at Surface.
47. Dolcoath, Interior of the "Dry."" Old Cornish Stamps.
49. " " Tin Dressing Frames.
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4 Brakesman and Cage
5 Coal-pickers
6 Pit Lasses and Tub
7 Pit Lasses, Pay-day
8 Two Colliers’ Widows
9 Pit Lasses and Barge
10 Canal Basin
11 Tally Boy counting numbers
12 Fault, or slip, with the wheel listings
13 Sending props down pit
14 Hand-picked (Cannel Coal)
15 Different kinds of safety lamps
16 Check-weighman testing weights
17 Dialling party
18 Collier, Drawer, Fireman trying for Gas
19 Collier beginning to hole
20 Drawer and Tub

AN THE NATURALIST IN AUSTRALIA.


Lantern Slides (from the original negatives) of the illustrations in the above work.

Beautifully Painted, 5s. and 7s. 6d.; Plain Photographs, 1s. 9d each.

1 Aborigines of King’s Sound, Western Australia
2 “Broome Belles,” Native women of Roebuck Bay, Western Australia.
3 Raft and Natives of King’s Sound, Western Australia
4 Dingo
5 Glass and Quartz spear heads of Western Australia Aborigines
6 Carved Boobah nut and shell aprons, with human hair stripes, Kimberley District, Western Australia.
7 Natives of Kimberley District, Western Australia, showing attitude assumed when holding and throwing the Boomerang.
8 Festal dance or “Corroboree” of Kimberley, Western Australia Natives
9 Duck-billed Platypus, Ornithorhynchus paradoxus
10 Echidna or Spiny Anti-eater, Tasmanian variety. Echidna setosa
11 Short-headed Flying Phalanger, Petaurus breviceps, showing position maintained during its characteristic flying leap
12 Horse Individual of Large Flying Phalanger, Petauridae volans, with tail pendulous
13 White Individual of Large Flying Phalanger, (Petauridae volans), with tail in its characteristic spirally enrolled state
14 Australian Bear or Koala with cub. Phascolarctos cinereus
15 ” ” in tree
16 ” ” asleep
17 Flying Phalanger, Petauridae volans
18 Australian Pouched Mole, Notoryctes typhlops, ventral and lateral aspects
19 Miner’s tent, and nest mound of Australian Jungle Fowl, Megapodium lanceolatum, Goode Island, Torres Straits
20 Boobah or Bottle Tree, Adenanthera pueraria, N.W. Australia
21 Hollow wooden cradle used by the native women of the Kimberley District, Western Australia

Birds.

22 “Dulce Domum”
23 Australian “More-porks” or fern owls. Podaragus strigoides
24 Two Pit Lasses
25 Pit Lasses with screen
26 A Collier’s Wife
27 Mass Meeting
28 Pay-Day
29 Man in cage
30 Stepping out of cage
31 Pit Lads
32 Working thick seam
33 At work on 4ft. seam
34 Holeing in 2ft. seam
35 The knocker-up
36 Colliers’ Houses
37 Pitman at Home.
38 IRON-WORKERS
39 Shinglers
40 Steam Hammer
41 Bell furnace men at work
42 Group of men (rollers)
43 Rolls
44 Finishing Rolls

Lizards.

39 Frilled lizards at bay
40 ” ” at rest
41 Frilled lizard. Chlamydosaurus Kingi
42 Bipedal running phase, from instantaneous photographs
43 Ditto
44 Ditto
45 Ditto
46 Ditto
47 Ditto
48 Frilled lizards asleep
49 Prototype of Chinese dragon
50 Bearded lizard. Amphibolurus barbatus
51 ” ”
Australian Spiny Lizards, Moloch horridus (male)  
(female)  
"A Way"  
"shoing knapsack"  
"lobe neck exexasence"  
Moloch or Spiny Lizards feeding at an ant track  
"A post-antridal promenade"  
Skull 1 ft. 10 in. in diameter; (b) tail-sheath of Molianoss Owen  
A millinery novelty, or "Where did you get that hat?"  
Stump-tailed Lizards. Tachyglossus robustus  
Spotted-tailed Lizards, Euparkeria depressa and H. Stokessii  
Australian Monitor or Lace Lizards. Varanus varius  

Termites (White Ants.)  
Nest mound of white ants, Termites sp., of the Kimberley district, Western Australia at t + two soldier individuals  
Nest mound of white ants, Kimberley type, Derby, Western Australia  
Ditto  
Ditto, (c) fullest development  
Ditto, (d) section  
Termite nest, Albany Pass, North Queensland  
Ant-Hill Point, Albany Pass, North Queensland  
Nest mounds of white ants, Kimberley type, abnormal shapes  
Ditto  
Ditto, phase of reconstruction  
Ditto  
Broadside view of "Laura" Valley, Meridan Ants' nest  
Nest mounds of white ants, Meridian variety, Laura Valley, North Queensland; end on view  
Nest mound of white ants, Meridan variety, Port Darwin, Northern Territory of South Australia; broadside view  
Nest mound of white ants, Meridan variety, Port Darwin, Northern Territory of South Australia; end on view  
Termite mound, Port Darwin, Columbar type  
Termite mound, with nest burrow of Tanytarsus Sobria  
Small extra-tropical termite mound, with nest burrow of Posephus ulcherrimus  
Trichonympha Lettyi, S.K. intussurial parasites of the Tasmanian white ant exhibiting diverse protein modifications  

Houtman's Abrolhos.  
Wreck Point, Pelsait Island  
Mirage-elevated breakers on outer barrier, Pelsait Island  
Arbocoralis. Genus madrepora  
Mon. ora cireina  
Madrepora corymbosa  
Protominae  
Stag's horn coral growth, Madrepora hebe, Great Barrier Reef, Queensland  
Madrepora Branchlet, showing re-growth at broken end marked A  
Pelsait Island scroll coral. Montipora cireina  
The birth of a coral island, Abrolhos Archipelago, Western Australia  
Shell and Coral Beaches, Pelsait Island, Houtman's Abrolhos  
Ditto  
Abrolhos Coral. Madrepora protominae  

Fishes.  
Plumed Trevally. Caranx galbus  
Diamond Trevally  
Western Australian Snapper. Pagrus major  
Plasterer of Tamania. Younger Fishes  
Seven-rayed Tassel Fish. Polyneum Verekieri, Ord River, Cambridge Gulf, Western Australia  
Bottle-nosed Snapper. Pagrus major  
King Snapper or "Niang Mok". Beryx Muller  
Sea Pike. Sphyraena obtusa  
Sergeant Baker. Anguila purpurescens  
W. A. Jew-fish. Gnathosoma hectorum  
Cat-fish Bel. Fistulosa sp.  
Lung-fish. Ceratodus Forsteri  
York Peninsula. Barramundi. Osteoglossum Jardinei  
Norry Cod. Oligorus macquariens  
Tasmanian Toadfish. Tetradon Hamiltoni  
Port Jackson Shark. Cetorhinus Pellucida  

Pears and Pearl Oysters.  
Western Australia Pears  
Penguin luggers in Broome Creek, Roebuck Bay, Western Australia  
The Western Australia "Southern Cross" Pearl  
Remarkable Western Australian Pearl  
"L'Enfant Prodige"  
The Southern Cross" Pearl  
Pearl Oyster, with pearl-embedded fish, contained in the British Museum collection  
Pearl Oyster laid open, showing at A double pearl, and at B small commensal crab  
Experimental pearl-shell cultivation sites, coral reef, Thursday Island  
Experimental pearl-shell cultivation sites, Mangrove Thicket, Roebuck Bay  
Young tropical pearl oysters attached to a portion of the parent shell, grown in Shark's Bay, Western Australia  
Natural clusters of Shark's Bay Mother-o'- Pearl shell, Metapogon imbricata  
Pearl-shelling Station. Fresh Water Camp, Shark's Bay, Western Australia  
Pearl-shelling Station, Fresh Water Camp, Shark's Bay, Western Australia  
Shark's Bay Golden Pearls  
Artificially-produced Pearl  
Western Australian Pearls  

Marine Miscellanea.  
"Rhinoceros Rock," Roebuck Bay, Western Australia  
Aussian-covered Rocks, Roebuck Bay, Western Australia  
Social Holothurians, Cololeucus anceps, Roebuck Bay, Western Australia  
Cymnet Bay Sea Anemones. Condylactis sp.  
Giant Sea Anemone Discosoma Houttuini, with Commensal fish and crab  
Bladder-lentilated Anemones. Physosbathia, sp.  
Stinging Anemones. Actinodendron plumoseum  
Socially assorted Anemones and worm tubes. Aerosantus Australis  
Living coral, Druverphyllia axiliga, with polyps expanded  
Turbinaria Peltata, Shark's Bay, Western Australia  
Young cup corals, Turbinaria conspicus et T. peltata Port Denison, Queensland  
Pfolaceous cup corals, Turbinaria conspicua, Shark's Bay, Western Australia  
Revolue cup corals, Turbinaria revoluta, Shark's Bay, Western Australia  
Young turtles, Chelone mydas, photographed while swimming  
Jellyfish, Discosoma, photographed in water from life  
Mangrove fighting crabs. Gelosimus crocata  
Army crabs. Myletis longipatus
161 Army crabs, *Mystax platychelis*, "A desperate melée"

162 Coral rock oysters, *Ostrea mordax*, Great Barrier Reef

163 Rock oysters, *Ostrea glomerata*, Keppel Bay, Queensland

154 Cornucopia lig species of *Ostrea mordax* Keppel Bay, Queensland

156 The author's oyster culture apparatus

157 Stalactite-like rock concretions, Sweer's Island, Gulf of Carpentaria, N. Queensland

164 Comuculos variety of *Ostrea mordax* Keppel Bay, Queensland

160 Western Australia Tarantula. *Isogada sp.*

**Vegetable Vagaries.**

161 Western Australian Bottle Tree, *"Sub termine Bondi"*

162 Flowers of Bachab tree. *Adansonia rupetres*

163 (1) Western Australia Bachab or Bottle Trees

164 (2) " " " " " " " " " 

165 (3) " " " " " " " " " 

166 (4) " " " " " " " " " 

167 (5) " " " " " " " " " 

168 (6) " " " " " " " " " 

169 Bachab Tree, nut-bearing example, with double trunk

The following Slides, beautifully painted, are copied from the coloured plates in book, *7s. 6d. each.*

189 Tidally-exposed inshore reef, Palm Island, Queensland

190 Australian Gouldian Finches. *Poephila mirabilis* or *"Golden Bird"

191 Australian Frilled Lizard. *Chlamydosaurus Kingi*

192 Madrepore Reef, Pelsart Island Lagoon, Houtman's Abrolhos

**CORALS AND FISHES.**

From "THE GREAT BARRIER REEF OF AUSTRALIA"

Corals, Coral Reefs, Pearl and Pearl Shell, Bêche-de-Mer, and other Fishing Industries.

By W. SAVILLE-KENT, F.L.S., &c., &c.

Published by Allen & Co., 13, Waterloo Place.

Lantern Slides (from the original negatives) of the illustrations in the above work. *Beautifully Painted, 5s. 6d.; Plain Slides, 2s. each.*

181 Plate I. Bleached Coral Specimens from the Great Barrier Reef

182 " " II. Charted Reef, Thursday Island, Torres Straits

183 " " III. Isolated Coral Growths, Charted Reef, Thursday Island

184 " " IV. No. 1. Inshore Reef, Palm Islands

185 " " No. 2. Eroded Inshore Reef, Thursday Island

186 " " V. No. 1. Madrepore Islet, Port Denison

187 " " No. 2. Porites Islet, Fringing Reef, Port Denison

188 " " VI. No. 1. Porites Islets, Palm Island's Coral Reef

189 " " No. 2. Mixed Corals, with Porites Baseament, Palm Island's Coral Reef

190 " " VII. Fringing Reef, Port Denison, with *Millepora* Alescornis

191 " " VIII. No. 1. "Dog" Reef, Saddle-back Island, Port Denison

192 " " No. 2. *Millepora* and Alecyomania, Fringing Reef, Port Denison

193 " " IX. Madrepore Lagoon, Port Denison

194 " " X. No. 1. Submerged *Millepora* Island's Reef

195 " " No. 2. *Lophorhis* Reef, Port Denison

196 " " XI. Warrior Island Reef, Torres Straits

197 " " XII. Stag's-horn Reef, Outer Barrier Series, No. 1

198 " " XIII. A. Low *Woodly* Reef, Outer Barrier Series, No. 2

199 " " B. Low *Woodly* Reef, Outer Barrier Series, No. 3

200 " " XIV. Skull-Reef, Outer Barrier Series, No. 4

201 " " XV. Low *Woodly* Reef, Outer Barrier Series, No. 5

202 " " XVI. Crescent Reef, Outer Barrier Series, No. 6

203 " " XVII. Crescent Reef, Outer Barrier Series, No. 7

204 " " XVIII. Organ-Pipe Coral Reef, Thursday Island, Torres Straits

205 " " XIX. Alecyomania Reef, Thursday Island, No. 1.
EDUCATIONAL SERIES OF SLIDES—Continued.

CORALS AND FISHES—Continued

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27 b. Alcyonarian Reef, Thursday Island, No. 3
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42 b. Outer Barrier Reef, with Empty Shell of Giant Clam
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51 Copper, Do. do. Spotted Fish and Teat Fish
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56 " do.
57 " XXXVIII. Mother-of-Pearl Shell, Melagrina Margaritifera
58 " Artificially produced Pearl
59 " XXXIX. Mango Oyster Bank, Keppel Bay
60 " Mangrove Oysters, Endeavour Esquary
61 " XL. Oyster Reef, Keppel Bay
62 " Coral-Rock Oysters
63 " XII. Cultivated Oyster Bank, Moreton Bay
64 " Whelk Oyster-Bank, Moreton Bay
65 " " No. 1. Barrier Reef Shells, on Sponge Table
66 " No. 2. Barrier Reef Shells, Artifically utilised
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68 do. do. Northern Mullet
69 do. do. Rock Cod
70 do. do. Taylor
71 do. do. Groper
72 " " Flatehead
73 " " Flathead
74 " " Queensland Drum
75 " " do. do. Spinous Schnapper
76 " " do. do. Spotted Dory
77 " " " Black-Bat Fish
78 " " " Sucking Fish
79 " " " Whiting
80 " " " Queensland Pig-faced Bream
81 " " " Riffe Fish
82 " " " Tohaoo-Pipe Fish
83 " " " Ox-eye Herring
84 " " " " Black Fish
85 " " " " Cooktown Salmon
86 " " " " Smelt
87 " " " " Queensland Halibut
88 " " " " Giant Herring
89 " " " " Stone Fish
90 " " " " Banded Gar Fish
91 " " " " White Trevally
92 " " " " Banded Dory
93 " " " " Pike-Elle
94 " " " " Pouched Leather Jackets
95 " " " " Ox-Ray, Upper Surface
96 " " " " Ox-Ray, Upper Surface
97 " " " " Shovel-nosed Skate
98 " " " " Carpet Shark

The following are from the Chromo Plates published in connection with the above.

Beautifully Painted, 7s. 6d. each.
### 8AFF

**CHALK.**

Plain Slides, 1s. each.

1. Arsey Gault, showing the Chalk resting on the Clay.
2. The Cliffs at Sheringham, showing the underlying Chalk Bed, with layers of Flint with Clay and Shingle above.
3. Chalk Cliffs, Flamboro’ Head.
5. at Dover.
7. near Margate.
8. near King’s Gate.
10. near Ecclesbourne.
11. The Caves at Chislehurst, showing formation of the Chalk with Sand.

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### 8TI

**HIDDEN BEAUTIES OF NATURE.**

By permission of the Religious Tract Society.

From photographs and original drawings by Richard Kerr, Esq., F.G.S., author of "Hidden Beauties of Nature." Illustrated price 2s. 6d.

**Descriptive Lecture for the 59 Slides 9d.; Plain Slides, 1s. each.**

1. The Beautiful Floscula (Floscularia ornata). Below the range of unsatisfied sight. Found in Pond water.
2. A Glass Sponge (Euplectella species). The glass or flinty skeleton of a sponge found in the waters near the Phillipine Islands. The first specimen were thought to have been the clever workmanship of the Chinese or Japanese, and fetched as much as £60 apiece. Now they can be purchased for 5s. 6d.
3. Another form of "Glass Sponge" (Euplectella suberea).
4. Another Glass Sponge (Euplectella cucumer)
5. A Glass Sponge (Regadella Phoenix)
6. (Euplectellaaspergillum)
7. (Euplectella Jovis)
8. Sponge Eponies (Microscope).
9. A thin section of the Spike of a Sea-Urchin, 1/4th of an inch in diameter.
11. Parts of Sea-Urchin. Reduced.
12. The Echinus, or Sea-Urchin. The Spikes removed.
13. Some of Nature’s Fireworks. Organisms which cause the phosphorescence of the Sea.
17. Polycentrils, Island of Barhados. Enlarged many hundred diameters.
18. Radiolaria, Challenger Series (Tuscarora).
19. 20.
21. 22.
23. 24.
27. 28.
29. 30.
31. 32.
33. A Radiolarian, Challenger Series
34. Triocraadum. A Diatom enlarged several hundred diameters.
35. Helleopenta. Enlarged several hundred diameters.
36. Conchilious radiatus. A Diatom enlarged several hundred diameters.
38. Foraminifera. Greatly enlarged.
(A) Eorinj. Limestone
(B) Nummulites Limestone
(C) Coralline Limestone.
40. Diaphus, Fresh-water Rhizopods (after Leidy). Ranging from the 1/4th to the 1/24th of an inch in diameter.
41. Nehela, Fresh-water Rhizopods (after Leidy). All are below the 1/24th of an inch in diameter.
42. Hyalospheria papillo (after Leidy). Ranging from the 1/6th of an inch to the 1/24th of an inch.
43. Clathrulinia elegans, Fresh-water Rhizopods (after Leidy) Diameter 1/24th of an inch.
44. Arcella, Fresh-water Rhizopods (after Leidy). From the 1/6th of an inch to the 1/24th of an inch.
45. Cyphoderia, Fresh-water Rhizopods (after Leidy) Diameter 1/24th of an inch in diameter.
46. Coral Polyps.
47. Corals with extended Polyps.
48. Madrepores. (South Kensington Natural History Museum).
49. Madrepora oyster.
50. Building Rotifer (Meliocha ringens) 1/24th of an inch in length.
51. Volvox Globator 1/24th of an inch in diameter.
52. Snow Crystals.
53. Crystals formed by breathing on a window during frost. The photograph, taken through the microscope by Dr. Maddox, embraced only 1/6th of an inch.
54. A small portion of Eye of Water Beetle (Dyticus episcopalis). Enormously magnified.
57. Four Flints, showing Silicified Sponges, known as "Choanites".
58. Silicified Sponges in Flint.
EDUCATIONAL SERIES OF SLIDES—Continued.

ELEMENTARY BOTANY.

Copied from Pictures by permission of Messrs. Longmans & Co.
Arranged by F. Timbrell, Esq., A.K.C.
Text Books, Thomas' Botany, 6s.; Edmonds' Botany, 1s. 6d.

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THE ROOT.
1. Varied forms assumed by Root
2. Its endogenous nature, its cap and hairs
3. Development in a mono, and a dicotyledon
4. and 5 T.S. (two) of Ranunculus acris, showing the centripetal formation of wood
6. THE STEM.
7. Subterranean and prone forms
8. Diagram of dicotyledon
9. T.S. of dicotyledon
10. L.S.
11. T.S. of monocotyledon
12. " " " " Dragena, showing formation of new vascular bundles from extra fascicular cambium
THE LEAVES.
13. Simple entire
14. " " " " Types of leaves
15. Compound
16. Particular forms of leaf
17. Arrangement of leaves on stem
18. T.S. through stomata into intercellular spaces
19. " " " " Respiration
20. " " " " Vernation
THE FLOWER.
21. Perfect, pistillate, stamineate, and neuter flowers
22. " " " " Floral diagram
23. " " " " The calyx, various form of
24. " " " " Corolla
25. " " " " Stamina
26. " " " " Pollen
27. " " " " Pistil

AGRICULTURAL BOTANY.

Direct Photo-Micrographs, 1s. each.

Flowers.
11. Vert. Sect. of Leaf (b) Oat
12. " " " " Leaf (c) Cabbage, white
13. Trans. Sect. of an Anther
14. " " " " An Ovary of Oat
Fruits and Seeds.
15. Vert. Sect. of a grain of Oat, showing Embryo and Endocarp
16. Trans. Sect. of Cotyledon of Pea
18. Seed of sweet Vernal Grass

General Structure.
19. Long. Sect. Stem Lettuce, to show milk tubes

ROOT CROPS.

This series has been produced under the personal supervision of Messrs. Sutton & Sons, of Reading.

Text Book, "Sutton's Farmer's Year-Book."

Beautifully Painted, 4s. 6d.; Plain Photographs, 1s.

1. Improvement of Mangel by cultivation
2. Oxheart Orange Globe Mangel
3. Boraks Prize Yellow Globe Mangel
4. Golden Tankard Mangel
5. Yellow Intermediate Mangel
6. Crimson Tankard Mangel
7. Mammoth Long Red Mangel
8. Favourite Turnip (Yellow fleshed)
9. All the Year Round Turnip
10. Imperial Green Globe Turnip
11. Purple-top Mammoth Turnip
12. Red Paragon Turnip
13. Pomeranian White Globe Turnip
14. Crimson King Swede
15. Champion Purple-top Swede
16. Champion Short-top Kohl Rabi
17. White Belgian and Red Intermediate Carrot
18. Early Oxheart, Imperial, and Thousand-headed Cabbage
19. Improved Thousand-headed Cabbage or Kale
20. Early Drumhead Cabbage, Improved Large Late Drumhead Cabbage, Drumhead Savoy
NEWTON & CO., Opticians to the Royal Family,

EUGEDUCATIONAL SERIES OF SLIDES—Continued.

BC

POTATO DISEASE.

Beautifully Painted, 5s.; Plain Photographs, 1s. each.

The first four slides in this set are direct photographs of experiments made by the
Warminster County Councils.

1 Plot of Potatoes, October, 1892, sprayed with Sulphate of Copper and Lime Dressing, 160 gallons to the
acre, in July and August
2 Plot of Potatoes, October, 1892, not dressed
3 1 Perch of Potatoes (Imperators), half perch dressed, and half perch not dressed, October, 1892
4 Heaps of Potatoes, showing actual results of above experiments, 2 Perches, Undressed, 177 lbs. 
5 Sections of diseased and healthy Potatoes, and surfaces of diseased and healthy leaves
6 Fungus on Leaf, Peronospora infestans. Vert. Sect.

BD

EFFECTS OF MANURES.

These slides are made from a series of photographs of actual specimens grown with
various manures, and mostly contain from four to eight samples in each slide.

Beautifully Painted, 4s. 6d.; Plain Photographic Slides, 1s. each.

1 Wheat. Experiment with and without Nitrogenous Manures
2 Barley
3 Peas
4 Oats. Experiments with Green Manures
5 Oats. Experiments with with various manures
6 Peas and Oats. Experiments with and without Potash, Phosphoric Acid, and Nitrogen for comparison
7 Vetches. Experiments with and without Potash, Phosphoric Acid, and Nitrogen
8 Peas and Wheat. Yield of Experiments, with and without various manures
9 Summer Rye. Experiments with and without Superphosphate, in autumn and spring
10 Summer Rye. Experiments with and without Phosphate Powder, in autumn and spring
11 Barley. Experiments with and without Superphosphate and Phosphate Powder
12 Barley. Yield of experiments shown in slide No. 11
13 Barley. Manural Experiment on a Lowley Soil
14 Buckwheat and Peas. Experiments with Phosphoric Acid and Potash
15 Oats. Green Manuring Experiments
16 Oats. Yield of experiments with and without Green Manures
17 Illustrating the Influence of Phosphatic Manuring on the Utilisation of Nitrate Nitrogen
18 Experiments with and without Phosphoric Acid in different forms
19 Experiments with and without Superphosphate
20 Crop of Oats. Yield of experiments with various manures on (1) Clay Soil. (2) Soil rich in Humus
21 Crop of Oats and Barley. Yield of experiments with and without Phosphoric Acid on Clay Soil
22 Vetches and Wheat. Yield of experiments with and without Potash, Phosphoro Acid, and Nitrogen
23 Wheat. Experiments with (1) No Manure. (2) Potash and Phosphoric Acid. (3) Potash, Phosphoric Acid and Nitrogen
24 Maize. Manural Experiments with Phosphoric Acid, Potash, and in addition, Nitrogen as Nitratre of Soda
25 Hemp. Manural Experiments with Phosphoric Acid, Potash, and in addition, Nitrogen as Nitratre of Soda
26 Tobacco. Manural Experiments with Nitrogen as Sulphatere of Potash and Phosphoric Acid
27 Beetroot. Manural Experiments with Phosphoric Acid, Potash, and in addition, Nitrogen as Nitratre of Soda
28 Do. as above, showing roots
29 Field Beans. Manural Experiments with Phosphoric Acid, Potash, in addition, Nitrogen as Nitratre of Soda
30 Peas. Manural Experiments with Phosphoric Acid, Potash, and in addition, Nitrogen as Nitratre of Soda
31 Carrots. Manural Experiments with Phosphoric Acid, Potash, and in addition, Nitrogen as Nitratre of Soda
32 Potatoes. Manural Experiments with Phosphoric Acid, Potash, and in addition, Nitrogen as Nitratre of Soda
33 Clover. Experiments with and without Phosphoric Acid in form of Superphosphate and Thomas' Phosphate Powder
34 Fuchsia. Manural Experiments in Hot-bed Soil. Without Nutritive Salt Mixture and with small and larger quantities of Albert's Highly Concentrated Horticultural Mixture
35 Geraniums in Hot-bed Soil. Manural Experiments with and without Albert's Highly Concentrated Horticultural Mixture

BE

NITRIFYING ORGANISMS IN SOILS.

Plain Photographs, 1s. each.

Photo-Micrographs by Prof. S. Winogradsky, of St. Petersburg.

1 Nitrous organism in soil from Zurich (Zoogloeum
2 Nitrous organism in soil from Zurich (Zoogloeum
3 Nitrous organism in soil from Zurich (mobile
4 Nitrous organism in soil from Java (mobile
5 Nitrous organism in soil from Java (mobile
6 Nitrous organism in soil from Kazan Russia
7 Nitrous organism in soil from Gennepielliers
8 Nitrous organism in soil from Quito (Coccus
9 Nitro organism in soil from Quito
10 Nitro organism in soil from St. Petersburg
11 Nitro organism in soil from Bonn
EDUCATIONAL SERIES OF SLIDES—Continued.

BF

ILLUSTRATIONS FROM THE RESULTS OF THE ROTHAMSTED EXPERIMENTS.

Published under the authority of the Lawe's Agricultural Trust.

Beautifully Painted, 5s.; Plain Photographs, 1s. each.

No. 1—Table showing the Home Produce, Import, Consumption, and Price, of Wheat, in the United Kingdom—40 Harvest-years, 1852-3 to 1891-2 inclusive.

No. 29—List of the Rothamsted Field Experiments.

No. 30—Plan of the Plots in Barnfield, on which the experiments with Root-crops have been made.

No. 31—Plan of the Plots in Hoosfield, on which Experiments have been made:

1. On Barley, commencing 1893
2. On Leguminous Crops, commencing 1849
3. On Alternate Wheat and Fallow, commencing 1851.

No. 32—Plan of the Plots in Broadbalk-field, on which Wheat has been grown for more than 50 years in succession, commencing 1843-4

No. 33—Plan of the Plots in Agnell Field, on which Experiments on Four-Course Rotation have been made, commencing 1848.

No. 34—Plan of the Plots in the Park, on which experiments have been made on the Mixed Herbage of Permanent Grass-land, commencing 1856.

No. 35—Photographs and Plans of the Rothamsted Laboratory.

No. 36—Photographs and Plan of the Rothamsted Sample House.

No. 37—Coloured Drawing and Description of the Rothamsted Rain gauges.

No. 38—Coloured Drawing and Description of the Rothamsted Drain gauges.

No. 39—Table showing the Rainfall at Rothamsted, measured in a gauge one-thousandth of an acre area—40 Harvest-years, 1822-3 to 1891-2.

No. 40—Table showing the Rainfall, also the amount of Percolation through Drain-gauges containing, respectively, 20 inches, 40 inches, and 60 inches, depth of Unmanured, and uncropped Soil and Subsoil, in natural state of consolidation—22 Harvest-years 1870-1 to 1891-2.

No. 41—Table showing the loss of Nitrogen (as Nitrates), respectively through 20 inches, 40 inches, and 60 inches depth of Soil and Subsoil, also the loss of Nitrogen calculated as Nitrate of Soda—15 Harvest-years 1877-8 to 1891-2.

No. 42—Table showing the amounts of Nitrogen supplied in Manure, and estimated to be recovered in Increase of Crop, lost in Drainage, accumulated as Crop-residue in the surface-soil, and not so accounted for, in the case of different manured Wheat plots—averages per acre per annum for 30 Harvest-years, 1831-2 to 1880-1.

No. 43—Table illustrating the loss of Nitrogen; as Nitrates, in a wet autumn and winter, in the drainage from the differently manured Wheat plots in Broadbalk-field; also the loss calculated as Nitrate of Soda; Season 1851-3, 4th year of the Wheat experiments.

No. 44—Coloured Diagrams illustrating the results of Experiments on the Feeding of Animals; showing the proportions of Nitrogenous, of Non-nitrogenous, and of Total Organic Substance consumed—1. Per 100 lb. Live-weight per week.

II. To Produce 100 lb. Increase in Live-weight.
EDUCATIONAL SERIES OF SLIDES—Continued.

BG

ALLOTMENTS.—GARDEN PRODUCE.

This Series of Slides, showing various Vegetables and Fruits suitable for growing on Parish Allotments, has been arranged by Messrs. Sutton and Sons, of Reading. The slides are Photographs of actual specimens, that have been grown from this Firm’s Seeds, and are not from imaginary drawings.

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1 Asparagus. Bunch of Sutton’s Perfection
2 Red Beans. Pods of Sutton’s Green Longpod compared with the ordinary variety and pods of Sutton’s Giant Windsor, showing relative sizes
3 Dwarf Beans. Single plant of Sutton’s Triumph
4 Runner Beans. Cluster of pods of the climbing French Bean, Sutton’s Tender and True, and a cluster of pods of Sutton’s Scarlet, showing relative sizes
5 Kale. Single Plant of Sutton’s A 1
6 Sutton’s Drumhead, and Sutton’s Arctic Green and Purple
7 Brussels Sprouts. Sutton’s Exhibition, Sutton’s Dwarf Gem, and Sutton’s Matchless, the three varieties showing relative height and character
8 Broccoli. Two specimens each of Sutton’s Superb Early white, and Sutton’s Late Queen
9 Cabbage. Portion of a plot of Sutton’s Earliest, and 5 plants of Sutton’s Imperial
10 Carrots. Sutton’s New Red Intermediate, bunch of 6, compared with two specimens of James’ Scarlet Intermediate, showing proportionate size
11 Carrots. Sutton’s Early Gem, bunch of 8, and Sutton’s Champion Horn, bunch of 12, showing relative sizes
13 Cauliflowers. Two specimens each of Sutton’s Autumn Mammoth, and Sutton’s Magnificent
14 Lettuce. Plot showing Sutton’s Favourite Cabbage and Sutton’s Mammoth White Cos in growth
15 Lettuce. Three Plants of Sutton’s White Heart Cos
16 Marrow. Group of 5 varieties. Sutton’s Long White, Sutton’s Long Green, Sutton’s Vegetable, Long Cream and Pen-y-byd, showing comparative sizes
17 Melon. Single fruit of Sutton’s Hero of Lockinge
18 Single fruit with slice removed of Sutton’s Scarlet
19 Single fruit with slice removed of Sutton’s Royal Favourite
20 Photograph of a growing crop of Sutton’s Royal Favourite, in Melon house at the Royal Gardens, Windsor
21 Mushroom. Showing bed in mushroom house
22 Vase of cultivated single specimen. Illustrating typical Mushroom
23 Onion. A bunch of Sutton’s Improved Queen
24 Two specimens of the Sutton Globe and 3 specimens of Sutton’s Al, showing comparative sizes and form, and are reproduced on the same scale as No. 28 (Sutton’s Improved Queen)
25 Peas. Pods of Sutton’s Bountiful and Kentish Invicta, showing comparative sizes
26 Pods of Sutton’s Exhibition Marrowfat and Yorkshire Hero, showing comparative sizes, and pods of Sutton’s Bountiful
27 Pods of Sutton’s Early Marrowfat and Prince of Wales, showing comparative sizes
28 Growing plants in pot of Sutton’s Seedling Marrowfat, showing suitability for forcing
29 Pods of Sutton’s Empress of India, and Sutton’s Late Queen
30 Pods of Sutton’s Early Marrowfat and Sutton’s Windsor Castle
31 Pods of Sutton’s Perfection and Sutton’s Magnificent
32 Sutton’s Al (wrinkled) and Santoger’s No. 1, pods showing comparative sizes
33 Illustrating the process of handpicking peas for seed
34 Savoy. Sutton’s Dwarf Green Curled, single plant
35 Turnip. Sutton’s Early Snowball, several specimens and basket
36 Tomato. A bunch of six specimens of Sutton’s Perfection and bunch of 22 fruits of Sutton’s Golden Nugget, illustrating the two most dissimilar types of tomato, and showing comparative sizes
37 Potato. Sutton’s Satisfaction and Sutton’s Early Regent in baskets
38 Sutton’s Magnificent and Sutton’s Windsor Castle in baskets
39 Sutton’s Al in basket
40 Illustrating the process of handpicking potatoes for seed
41 First Prize Exhibit, Royal Caledonian Horticultural Society’s Show, September, 1900.
42 Sutton’s Globe Beet.
43 Sutton’s Perfection Beet.
44 Sutton’s Cascade Tomato.

GARDEN PRODUCE

Published by kind permission of Messrs. Sutton & Sons, of Reading.

Beautifully Painted 4s. 6d. of Plain Slides, 1s. each.

1 White Jerusalem Artichoke
2 Giant French Asparagus
3 Blood Red Beet
4 Blood Red Garden Beet
5 Broccoli. Superb Early White
6 Snow-White Broccoli
7 Brussels Sprouts. Sutton’s Exhibition
8 Broad Beans. Green Giant
9 Giant Winter Broad Beans
10 Climbing French Bean. Earliest of All
11 Prince of Wales. French Climbing Beans
12 Dwarf French or Kidney Beans. Perfection
13 Dwarf French Kidney Beans. Plentyful
14 Runner Beans. Best of All
15 Garden Cabbage. Earliest
16 Garden Cabbage. Flower of Spring
17 Imperial Garden Cabbage
18 Short Carrot, Inimitable Forcing
19 Carrot. Scarlet. Intermediate
20 Cauliflower. Purity
21 Pigmy Chili
22 New Cucumber. Lord Roberts
23 Giant Hemp
24 Arctic Kale
25 Extra Curled Scotch Kale
26 Cabbage Lettuce. Favourite
27 Cos Lettuce. White Heart
28 Cos Lettuce. Mammoth White
29 Marrow. Perfection
30 Melon Ringleader
31 Group of Mushrooms
32 Onion. Improved Queen
33 Garden Peas. Nonpareil
34 Garden Peas. Nonpareil
35 Lord Roberts. Garden Peas
36 Duchess of York. Garden Peas
37’s. Invincible
38 Potato. Satisfaction
39 Potato. Triumph
40 Radish. Earliest of All
41 Long Red Pusa Raniest Frame
42 Radish. Forcing White Pluvi.
43 Turnip. White Gem
44 A Potato. (Messrs. Cannell and Son)
EDUCATIONAL SERIES OF SLIDES—Continued.

**B I**

**PASTURE GRASSES.**

This series has been arranged by Martin J. Sutton, Esq., of Reading, Fellow of the Linn. Soc., and Member of the Councils of the Royal Agricultural Society and Bath and West and Southern Counties Society, and the slides are taken from the fine illustrations in his work on "Permanent and Temporary Pastures."

The odd numbers in the following list show the whole plant, root, stem and flower; while the even numbers give a description of the grass and a magnified drawing of the seed with and without chaff.


*Beautifully Painted, 4s. 6d.; Plain Photographs, 1s. each.*

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Agrostis Alba—var. stolonifera</td>
<td>(Fiorin or Creeping, Bent Grass)</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Seed and Description</td>
</tr>
<tr>
<td>3</td>
<td>Alopecurus pratensis (Meadow Foxtail)</td>
<td>Seed and Description</td>
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<tr>
<td>4</td>
<td></td>
<td>Seed and Description</td>
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<td>5</td>
<td>Anthoxanthum odoratum (Sweet-scented Vernal)</td>
<td>Seed and Description</td>
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<td>6</td>
<td>Avena fatua (Ox Grass)</td>
<td>Seed and Description</td>
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<tr>
<td>7</td>
<td>Cynosurus cristatus (Crested Dogtail)</td>
<td>Seed and Description</td>
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<tr>
<td>8</td>
<td>Dactylis glomerata (Knobby Cockfoot)</td>
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<tr>
<td>9</td>
<td>Festuca pratensis (Meadow Fescue)</td>
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<td>11</td>
<td>Festuca elatior—var. festiva (Tall Fescue)</td>
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<td>13</td>
<td>Festuca heterophylla (Various-Losed Fescue)</td>
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<td>15</td>
<td>Festuca ovina tenuifolia (Fine-leaved Sheep's Fescue)</td>
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<tr>
<td>17</td>
<td>Festuca duriuscula (Hard Fescue)</td>
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<td>18</td>
<td></td>
<td>Seed and Description</td>
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<tr>
<td>19</td>
<td>Lolium perenne (Perennial Rye Grass)</td>
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<tr>
<td>20</td>
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<tr>
<td>21</td>
<td>Lolium italicum (Italian Rye Grass)</td>
<td>Seed and Description</td>
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<tr>
<td>22</td>
<td>Phleum pratense (Timothy or Meadow Cattail)</td>
<td>Seed and Description</td>
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<tr>
<td>23</td>
<td>Poa pratensis (Smooth-stalked Meadow Grass)</td>
<td>Seed and Description</td>
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<tr>
<td>24</td>
<td>Poa turgida (Rough-stalked Meadow Grass)</td>
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<td>25</td>
<td>Poa nemoralis sempervirens (Evergreen Meadow Green)</td>
<td>Botanical description</td>
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<td>26</td>
<td>Trifolium repens perenne (Perennial White Clover)</td>
<td>Seed and Description</td>
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<tr>
<td>27</td>
<td>Trifolium pratense (Red, or Broad Clover)</td>
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<td>28</td>
<td>Trifolium pratense (Perennial Red Clover)</td>
<td>Botanical description</td>
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<tr>
<td>29</td>
<td>Trifolium hybridum (Alsike Clover)</td>
<td>Botanical description</td>
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<tr>
<td>30</td>
<td>Medicago lupulina (Common Yellow Clover, or Trefoil)</td>
<td>Botanical description</td>
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<td>31</td>
<td>Achillea millefolium (Yarrow, or Meflo)</td>
<td>Botanical description</td>
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<tr>
<td>32</td>
<td>Briza media (Quaking Grass)</td>
<td>Seed and Description</td>
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<tr>
<td>33</td>
<td>Alopecurus geniculatus (Floating Fescue Grass)</td>
<td>Seed and Description</td>
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<tr>
<td>34</td>
<td>Bromus erectus (Bent Brome Grass)</td>
<td>Seed and Description</td>
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<tr>
<td>35</td>
<td>Bromus mollis (Soft Brome Grass)</td>
<td>Seed and Description</td>
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<tr>
<td>36</td>
<td>Tritium (Agropyrum) repens (Couch Grass)</td>
<td>Seed and Description</td>
</tr>
</tbody>
</table>

**B H**

**INJURIOUS GRASSES AND WEEDS.**

This series, like the "Pasture Grasses," has been produced from a set of original drawings under the instructions of Martin J. Sutton, Esq., Fellow of the Linnæan Society and Member of the Councils of the Royal Agricultural Society and Bath and West and Southern Counties Society.

*Beautifully Painted, 4s. 6d.; Plain Slides, 1s. each.*

**GRASS WEEDS.**

<table>
<thead>
<tr>
<th>No.</th>
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<tbody>
<tr>
<td>1</td>
<td>Briza media (Quaking Grass)</td>
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<tr>
<td>2</td>
<td>Alopecurus geniculatus (Floating Fescue Grass)</td>
</tr>
<tr>
<td>3</td>
<td>Bromus erectus (Bent Brome Grass)</td>
</tr>
<tr>
<td>4</td>
<td>Bromus mollis (Soft Brome Grass)</td>
</tr>
<tr>
<td>5</td>
<td>Tritium (Agropyrum) repens (Couch Grass)</td>
</tr>
<tr>
<td>6</td>
<td>Aira (Deschampsia) composita (Tussock Grass)</td>
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<tr>
<td>7</td>
<td>Molina excisa (Purple Heath Grass)</td>
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<tr>
<td>8</td>
<td>Festuca myuros (Barren Fescue Grass)</td>
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<td>9</td>
<td>Avena fatua (Ox Grass)</td>
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<tr>
<td>10</td>
<td>Holcus lanatus (Yorkshire Fog Grass)</td>
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<tr>
<td>11</td>
<td>Rumex acetosella (Sheep's Sorrel)</td>
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<tr>
<td>12</td>
<td>Rumex acetosella (Common Sorrel)</td>
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<td>13</td>
<td>Conium maculatum (Hemlock)</td>
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<td>14</td>
<td>Rhinanthus cristus-galli (Yellow Bristle)</td>
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<td>15</td>
<td>Centaurea nigra (Swampweed or Black Head)</td>
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<td>16</td>
<td>Centaurea nigra (Swampweed or Black Head)</td>
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**MISCELLANEOUS WEEDS.**

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<tr>
<td>11</td>
<td>Tussilago farfara ( Coltsfoot)</td>
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<tr>
<td>12</td>
<td>Poterium sanguisorba (Common Burnet)</td>
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<tr>
<td>13</td>
<td>Plantago lanceolata (Plantain or Ribwort)</td>
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<td>14</td>
<td>Rumex obtusifolius (Field Dock)</td>
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<td>15</td>
<td>Castoria trifoli (Clove Dodder)</td>
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<td>16</td>
<td>Anthemis cordata (Feverfew or Chamomile)</td>
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<td>17</td>
<td>Rumex acetosella (Sheep's Sorrel)</td>
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<td>18</td>
<td>Rumex acetosella (Common Sorrel)</td>
</tr>
<tr>
<td>19</td>
<td>Conium maculatum (Hemlock)</td>
</tr>
<tr>
<td>20</td>
<td>Rhinanthus cristus-galli (Yellow Bristle)</td>
</tr>
<tr>
<td>21</td>
<td>Centaurea nigra (Swampweed or Black Head)</td>
</tr>
</tbody>
</table>
**FOOTNOTE**

When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF</td>
<td>Reference</td>
</tr>
<tr>
<td>IRI</td>
<td>Individual</td>
</tr>
<tr>
<td>CLI</td>
<td>Culture</td>
</tr>
<tr>
<td>DRE</td>
<td>Diseases</td>
</tr>
<tr>
<td>REM</td>
<td>Remedial Substances</td>
</tr>
</tbody>
</table>

---

**Notes:***

- Grafting, Stock, Graft, Graft Cut, Graft inserted in Stock.
- Budding, Stock, Bud cut for inserting, Bud inserted, Bud tied in.
- Pruning a Pyramid Pear Tree.
- Maiden Cherry, 1 year old.
- Maiden Plum, 3 years old.
- Maiden Pear Tree.
- Pyramid Pear.
- "" "" in Fruit in Pot.
- "" "" "" Conference" and "" "" Pitmaster Duchess".
- Bush Pear in Fruit.
- Goblet-shaped Pear Tree in Fruit.

**HOPS AND HOP CULTURE.**

Photographs from Life.

This interesting Series of Pictures illustrating Hop Cultivation was Photographed at Brenchley by Mr. T. E. Freshwater, F.R.P.S., with the courteous assistance of H. Monson, Esq., of the South-Eastern Agricultural College, Wye, Kent.

**Beautifully Painted Views, 4s. 6d.; Figures, 7s. 6d.; Plain Photographs, 1s. each**

**The Plant.**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOP</td>
<td>Hops, Fuggles Goldings</td>
</tr>
<tr>
<td>HOG</td>
<td>Hops Goldings</td>
</tr>
<tr>
<td>HPR</td>
<td>Hops trained on the upright system on Poles (the old method)</td>
</tr>
<tr>
<td>SLA</td>
<td>Hops trained on slanting string and horizontal wires</td>
</tr>
</tbody>
</table>

**Implements used for Culture.**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLG</td>
<td>The Ploughs</td>
</tr>
<tr>
<td>HWR</td>
<td>Hop Washer</td>
</tr>
<tr>
<td>Sulph</td>
<td>Sulphurator</td>
</tr>
<tr>
<td>HES</td>
<td>Hoes</td>
</tr>
</tbody>
</table>

**Spring and Winter Work.**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAT</td>
<td>Hop Netting put up to shelter the hops</td>
</tr>
<tr>
<td>ALB</td>
<td>Alley struck up</td>
</tr>
<tr>
<td>FAD</td>
<td>Feeding and pigs making dung</td>
</tr>
<tr>
<td>WSH</td>
<td>Washing Hops</td>
</tr>
<tr>
<td>SHP</td>
<td>Sulphurizing Hops</td>
</tr>
</tbody>
</table>

**Arrival of Hop Pickers.**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUT</td>
<td>Huts for the Pickers</td>
</tr>
<tr>
<td>PCK</td>
<td>Pickers in experimental plot A</td>
</tr>
<tr>
<td>C</td>
<td>in Plot B</td>
</tr>
<tr>
<td>D</td>
<td>in Plot D</td>
</tr>
</tbody>
</table>

**Diseases.**

- Hop Aphis (green fly) *Aphis humuli*. Pupa at early stage, also showing wing cases, Male *Aphis*, Female, wingless form
- Red Spider
- Mould
- Insect in fungus

**Remedial Substances.**

- Quassia. Splitting logs for Quassia chips
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B M

1 Arum lilly. Diebybia Spectabilis
2 Azaleas. Wreath of, with motto "Welcome"
   " arranged in Vase
4 Freesia, and White Roman Hyacinth
5 Narcissi and Freesia
6 Cineraria
7 " arranged in Bowl
8 " arranged in a tall Vase
9 Cyclamen
11 Tulips and White Roman Hyacinth
1a Dahlias in Box
1b Hyacinths
13 White Roman Hyacinth
14 Imathophyllum Miniatum
15 Lilies of the Valley
15a Lilium Auratum
16 Narcissi, Wreath of, with motto "Interal"
17 Lilium
18 " and Azalea
19 " Lilies of the Valley, and Trifida
20 " and Polyanthus
21 " Primulas
22 " Primula, Tulip, and Azalea
23 Narcissi, Primula, Tulip, and Azalea
24 Orchid
25 Primroses
26 " Chinese
27 Primula
28 " Coloured
29 " arranged in Bow
30 Roses
31 Snowdrops
32 Tulips
33 " in Vase

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34 Superb Achimenes
35 Imperial Dwarf Blue Agapanthus
36 St. Brigid’s Anemone
37 Antheramnum
38 Snowball Aster
39 Canterbury Bells
40 Pure White Marguerite Carnation
41 Double Salmon克拉印刷
422 (Colchicum Major
43 Michaelmas Daisy
44 Delphinium Hybrusum
45 Brilliant Fringed Dianthus
46 Freesia
47 Gilia Diochotoma
48 Nicotiana Sylvestris
49 Pampas Grass
50 Large Flowering Pentstemon
51 Dwarf White Pearl Petunia
52 Gem Phlox Drummondii
53 Superb Double Pink
54 Double Giant Poppy
55 White Star Primula
56 Mont Blanc Star Primula
57 Large Flowered Salpiglossis
58 Staficili Incana. Silver Cloud
59 Tallitrium Adiantifolium
60 Chamomilla Diantha (Fish Farm)
61 Giant White Verbena
62 Double Zinnia

The following are published by the kind permission of Messrs. Canel and Sons.

63 Cineraria
64 " "
65 " "
66 " "
67 " "
68 " "
69 " "
70 " "
71 Daisies open (day)
72 " (night)

ABR

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3 Yellow Anemone. Anemone Sulfurea.
4 The Spring Anemone. Anemone Vernalis.
5 Pyrenean Crowsfoot. Ranunculus Pyreno.
6 Aconite - leaved Crowsfoot. Ranunculus Aconiti.
7 Alpine Crowsfoot. Ranunculus Alpites.
8 Globe Flower. Trollius Europaeus.
9 Two-flowered Violet. Viola Biiflora.
10 Long-spurred Pansy. Viola Calcarata.
11 Wood-Pink. Dianthus Sylvester. Wulf.
12 Moss Campion. Silene Aculis.
13 Wood Crane’s-bill. Geranium Sylvestricum.
14 Alpine Clover. Trifolium Alpini.
15 Cold-Milk-vetch. Phacopsis Frigida.
16 White Dryas. Dryas Octo-

17 Mountain Avens, x 3. Geum Montanum.
18 Cobweb House-leek. Sem-perivium Arachnoideum.
19 Mountain House-leek. Sem-

14 Alpine Clover. Trifolium Alpini.
15 Cold-Milk-vetch. Phacopsis Frigida.
16 White Dryas. Dryas Octo-

17 Mountain Avens, x 3. Geum Montanum.
18 Cobweb House-leek. Sem-
14 Alpine Clover. Trifolium Alpini.
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16 White Dryas. Dryas Octo-

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18 Cobweb House-leek. Sem-
14 Alpine Clover. Trifolium Alpini.
15 Cold-Milk-vetch. Phacopsis Frigida.
16 White Dryas. Dryas Octo-

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68. The Toothwort. Dentaria digitata.
72. The Mountain Milkwort. Polygala chamaebusus.
73. The Creeping Gypsophila. Gypsophila repens.
74. The Nottingham Catchfly. Silene nutans.
75. The Sedum-like Cherleria. Cherleria sedoides.
76. The Field Mouse-cave Chickweed. Cerastium arvense.
77. The Mountain Trefoil. Trifolium montanum.
78. The Brown Trefoil. Trifolium hudsoni.
80. Fleischer’s Willow Herb. Epilobium Fleischeri.
81. The Perennial Knawel. Scleranthus perennis.
82. The Annual Stonecrop. Sedum annuum.
83. The Thick-leaved Stonecrop. Sedum dasyphyllum.
84. The Moss-like Saxifrage. Saxifraga bryoides.
85. The Wedge-leaved Saxifrage. Saxifraga cuneifolia.
86. The Round-leaved Saxifrage. Saxifraga rotundifolia.
89. The Dwarf Cudweed. Gnaphalium supinum.

90. The Northern Cudweed. Gnaphalium norvegicum.
91. The Edelweiss. Leontopodium Alpinum.
92. The Carpathian Cudweed. Antennaria Carpathica.
93. The Alpine Ox-eye. Leucanthemum Alpinum.
95. The Mountain Cornflower. Centaurea montana.
96. The Perennial Lettuce. Lactuca perennis.
99. Phyteuma betonicofolium.
100. The Bearded Bell-flower. Campanula barbata.
102. The Dwarf Bell-flower. Campanula pusilla.
103. The Mount Cenis Bell-flower. Campanula Cenisia.
104. The Spiked Bell-flower. Campanula thyrsoides.
108. The Dwarf Forget-me-Not. Eritrichium nanum.
111. The Large Flowered Self-heal. Brunoella grandiflora.
114. The Alpine Bastard Toad-Flax. Thesium Alpinum.
118. The Lady’s Slipper Orchis. Cypripedium calceolus.
120. The Autumn Crocus. Colchicum autumnale.

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29 Fragrant Orchis, Gymnadenia Conopsea, astr., x 2.
30 " x 1.
31 " x 2.
32 " x 3, before and after pollination.
33 Musk-scented Orchis, Herminium Monorchis, x 3.
34 Frog Orchis, Habenaria Viridis, x 2.
35 " x 1.
36a " x 3.
37 Marsh Helleborine, Epipactis Palustris, x 3.
37a " x 2.
37b " x 4.
38 Purple Helleborine, Cephalanthera Rubra, x 2.
39 " x 4.
40 Large White Helleborine, Cephalanthera Palens, x 2.
41 " x 2.
42 " x 3.
43 Broad-leaved Helleborine, Epipactis Latifolia, x 2.
44 " x 2.
45 " x 4.
46 Lychnis Flos Cuculi (W. Africa), x 2.
47 Lady's Slipper Orchid, Cypripedium Calceolus, x 2.
47a " x 2.
47b " x 5.
48 Marsh Orchis, Orchis Latifolia, x 2.
49 " x 1.

PLANTS, &c.
93 Bluebell, Scilla Nutans, x 2.
94 Common Borage, Borago Officinalis, x 2.
95 Brooklime, Veronica Beccabunga, x 2.
96 Butcher's Broom, Ruscus Aculeatus, x 2.
97 Unbranched Bur-reed, Sparganium Simplex, x 2.
98 Celery - leaved Buttercup, Ranunculus Sceleratus, x 2.
99 White Campion, Lychnus Vesperina, x 2.
100 Celandine, Chelidonium Majus, x 2.
101 Common Centaury, Erythraea Centaurium, x 2.
102 Chicory, Cichorium Intybus, x 2.
103 Chives, Allium Schoenoprasum, x 3.
104 Strawberry-leaved Cinquefoil, Potentilla Fragariiformis, x 2.
105 Common Cotton-grass, Eriophorum Povastachyon, x 2.
106 Yellow Corydalis, Corydalis Lutea, x 3.
107 Yellow Climbing Corydalis, Corydalis Claviculata, x 3.
108 Marsh Orchis, Orchis Lati folia, x 3.
109 " x 5, before and after fertilisation.
110 Green-winged Meadow Orchis, Orchis Habenaria, x 1.
111 " x 1, head of flowers.
112 " x 4.
113 " x 2.
114 " x 1.
115 Pyramidal Orchis, Orchis Pyramidalis, x 2.
116 " x 1, whole head of flowers.
117 " x 4, whole head of flowers.
118a Spider Orchis, Ophrys Aranthis, x 1.
118b " x 3.
119 Spotted Orchis, Orchis Maculata, x 3.
120 " x 2.
121 " x 3.
122 " x 2.
123 " x 3.
124 " x 2.
125 " x 1.
126 " x 3.
127 " x 1.
128 " x 2.
129 " x 3.
130 " x 1.
131 " x 2.
132 " x 3.
133 " x 2.
134 " x 3.
135 " x 2.
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151 " x 3.
152 " x 2.
153 " x 3.
154 " x 2.
155 " x 1.
156 " x 3.
157 " x 2.
158 " x 2.
159 " x 3.
160 " x 1.
161 " x 3.
162 " x 2.
163 " x 2.
164 " x 1.
165 " x 1.
166 " x 2.
WILD FLOWERS—Continued

157 Water Mint, Mentha Aquatica.
158 Monk's Hood, Aconitum Napellus.
159 " x 2, Flowers in early and late stages.
160 " x 2, Flowers in section, early and late stages.
161 Black Mullein, Verbascum Nigrum.
162 Garlic Mustard, Sisymbrium Alliaria.
163 Common Hedge-Mustard, Sisymbrium Officinale.
164 Great Nettle, Urtica Dioica.
165 Red Dead-Nettle, Lamium Purpureum.
166 Common Nightshade, Solanum Nigrum.
167 Wildbeaked Parsley, Anthriscus Sylvestris.
168 Earth-burt Pea, Lathyrus Tuberosus.
169 Whitlow Pepper - wort, Lepidium Draba.
170 Pilewort or Lesser Celandine, Ranunculus Ficaria.
171 Primrose, Primula Vulgaris.
172 Horse-radium, Cockleburr Armoracia.
173 Yellow Rocket, Barbarea Vulgaris.
174 Christmas Rose, Hebeorus Nigrer.
175 Common Dog-rose, Rosa Canina.
176 Trailing Rose, Rosa Arbvenis.
177 Meadow Saffron, Colchicum Autumnale.
178 Flowering Rush, Butonus Umbellatus.
179 " x 3.
180 Large-leaved St. John's-wort, Hypericum Calycinum.
181 Sanicle, Sanicula Europaea.
182 Rue-leaved Saxifrage, Saxifraga Tridactylites.
183 Sea Holly, Eryngium Martimimum.
184 Sea Kale, Crambe Maritima.
185 Sloe or Blackthorn, Prunus Sibouosa.
186 Snakes-head, Fritillaria Meleagris.
187 " x 1.
188 Snow - drop, Galanthus Nivalis.

AMENITIFERE.

221 The Alder, Alinus Glutinosus, x 1.
222 The Beech, Fagus Sylvatica, x 1.
223 The Silver Birch, Betula Alba, x 1.
224 The Hazel, Corylus Avellana, x 1.
225 The Hornbeam, Carpinus Betulus, x 1.
226 The Oak, Quercus Robur, x 1.
227 The Elm, Ulmus, x 1.
228 The Ash, Fraxinus Excelsior, x 1.
229 The Willow, Salix, x 1.
230 The Alder, Alinus Glutinosus, x 1.
231 The Beech, Fagus Sylvatica, x 1.
232 The Silver Birch, Betula Alba, x 1.
233 The Black Poplar, Populus Nigra, x 1.
234 " x 11.
235 The Willow, Salix, x 1.
236 " x 3.
237 Dwarf Silky Willow, Salix Repens.

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VQ

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2. 

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3. 

ad.
4. Lepiota procera juv., the Parasol Mushroom, Ed.
5. 

ad. (central fig.).
6. Tricholoma chirum, Lilac Agaric, Ed.
7. Clitocybe fuscata.
8. 

mehulosus, Ed.
12. aureus, Golden Agaric.
13. Stropharia aruginosa, Verdisigr Agaric, P.
15. Hypholoma fasciculare.
16. Lactobul bassina.
18. Hygrophorus pratensis, Ed.
19. 

virginus, Ed.
20. 

coeruleus.
21. 

obfuscus.
22. Lactarius velerus and subulobus (small), Milk Mushrooms.
23. Russula delica.
24. 

altnaceus, Ed.
25. 

drimea, P.
26. 

emeticus, P.
27. Cantharellus cibarius, Chantarelle, Ed.
28. 

tuusformis.
29. Marasmiu roszae, Fairy-ring Champignon, Ed.
30. Panaus stypticus.
31. Pleurotus tibarius.

ord. polyporeæ.

32. Boletus borinum.
33. 

chrysonteron.
34. 

edulis, Ed.
35. 

scaber, Ed.
36. Fistulina hepatica, Beef-steak Fungus, Ed.
37. Polyosporus hispidus, Ed.
38. 

ad.

ord. hydnaceæ.

40. Hydnum repandum, Ed.
41. 

crinaceæ.
42. Thelephora lactacea.
43. Polyporus versicolor.
44. Auricularia mesenterica.
45. Tremelloba gelatinosa.

ord. clavariæ.

46. Clavaria rubosa.
47. 

cineræae.
48. 

papillaria.
49. Calocera viscosa and Xylaria hypoxylon.
50. Sparassis crispa.

ord. tremelinaæ.

51. Tremella mesenterica.
52. Ithyphallus impudicus, the Stinkhorn Fungus, P.
53. 

successive.
54. 

phalax.
55. Muthius caesarus, the Lesser Stinkhorn.

ord. lycoperdaæ.

56. Lycoperdon perennis, Common Puff-ball.
57. Scheroderma verrucosum, Scaly Puff-ball.

ord. hymenogastræ.

58. Melanogaster variegatus, "Red Truffle," Ed.

S.CI. discomycetes.

59. Lactia hirica, Slimy Morel.
60. Peniza aurantia.

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3. Allspice (Black Pepper of Jamaica).
4. Alpine Rose in Bloom.
5. Amphora Plant.
6. Apple Tree in Bloom.
7. Fruit and Flower of the "Eve's Apple.
8. Banyan Tree of Benares.
10. Lobobab Tree, Flower and Fruit.
11. Bread-fruit Tree.
13. Butter Tree and Fruit.
15. Caoutchouc Tree.
17. 

Dianæa, Peniquilaca, and Drosera.
18. 

Cophaláus.
19. Cedars of Lebanon.
20. Great Cedar of Lebanon.
22. Thyrus of Flowers of the Yellow Cinchona.
23. Cinnamon Tree.
24. Cocoa Tree.
25. Cocoa-pods from Adivinanza Estate, Trinidad.
27. Liberian Coffee Plant.
28. White Cotton Tree, one of the only trees in Ceylon which loses its foliage.
30. Cotton Pods, Green, with Plant Bugs.
31. Cotton Seed, burst, showing Cotton.
33. A Country Lane in Spring.
34. The Cow Tree of the Caracas.
35. Dragon's Blood Tree of the Island of Tenerife, Dra-ccena Draco.
36. Edelweiss growing on rocks near Arolla.
37. Elms.
38. Elms and Oaks.
39. Euphorbia Tree in Angola.
40. Ficus Elastica in the Peradeniya Gardens, Kandy.
41. Gamboge Tree.
42. Gentian (see also Rhododen-ron).
43. Grass Trees of Australia.
44. Gutta Percha Trees, Natives collecting the Sap.
45. Indian Rubber Tree.
46. Jack Tree, Aristocarpus in-tegrifolius.
47. Sacred Lotus of the Egyptians, Nelumbium speciosum.
48. Mahogany, Honduras, Tree.
49. May Tree in Full Bloom.
50. The Mandrake.
51. Mango and Swamp.
52. Nutmeg Tree and Fruit.
53. Oak Tree.
54. In Leaf.
55. In Winter.
56. Owen Glendon's Oak.
57. Olive Tree, Gethsemane.
58. Palm, African, Zania Cafría.
59. Medicinal Aloe, Mada-gascar.
60. Palm, Cocacnut.
61. Cocacnut, and Fruit.
62. In Date.
63. In Döm, Luxor.
64. Dwarf, Forest Scene, Madagascar.
65. Ivory, Nut and Fruit.
67. Talipat.
68. Talipat, 1st Stage.
REM厚RDans, TREES AND PLANTS. —Continued.

81 A Group of Primroses (very fine).
82 Rose Leaf cut by a Leaf-cutting Bee.
83 Rhododendron ferrugineum L.; Gentiana bavarica L.; Gentiana nivalis L.; Gentiana aculeus L.
84 The Large Flowering Sensitive Plant.
85 Sensitive Plant, Asleep and Awake.
86 Snow Drop. 
87 " on Trees.

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1 Hop root, transverse section. 
2 Barley, Growing tip of root, longitudinal section. 
3 Orchid Latifolia Seeds 
4 Sunflower Root, trans. sect. stained 
5 Hop stem, trans. sect. 
6 Bean Plant Stem, one half of an internode, trans. sect. 
7 Clematis, Section 
8 Pitcher Plant Stem, trans. sect. 
9 Gipsywort, trans. sect. \[sect. \]
9 Virginia Creeper, Stem, trans. 
11 Ceyx, Structure of Stem, trans. sect. 
12 Marestall, Section of Stem 
13 Althea Stalk and Leaf 
14 Date Palm, trans. sect. 
15 Bamboo Cane, stem 
16 Rattan Cane ratan, trans. sect. 
17 Palm, trans. sect. 
18 Hazel, trans. sect. of Branch 
19 Orange Tree, Stem of, trans. sect. 
20 Pine, Bastard growth of stem 
21 Tree fern, trans. sect. \[Stem \]
22 Spruce Needles, sect. of. 
23 Stem of Elm, Structure of Stem, Arboreous Diocytodon, trans. sect. 
24 Pine, Structure of Stem, transverse sect. Stem of Pinus sylvestris 

84 Stomata 
85 Water Stomata 
86 Leaf of Sundew 
87 Pitcher Plant 
88 Spathe of Arum 
89 Bud of Lily T.S. 
90 Poppy V.S. 
91 Stamens T.S. 
92 Poppy Head 
93 " do. T.S. 
94 Bicoc of Hydrangeas 
95 " , Fuschia 
96 American Poplar 
97 " Black 
98 " Maple 
99 Pollen Grains 
100 Ovary of Lily T.S. 
101 Sorf of Fern 
102 Prothallus 
103 Ferns Germinating 
104 Cluster of Blackberries 
105 " Hawthorn 
106 Hooked Fruit of Burdock 
107 " Winged " Maple 
108 Feathered " Thistle 
109 Pods of Laburnum 

88 Soldanella alpina L.; Leonotis Nepetifolia. 
90 Tapioca Plant and its Root. 
91 Tea and Coffee Plants, China. 
92 Alpine Thistle. 
93 Traveller's Tree, Uvaria speciosa. 
94 Tropical Scenery, Venezuela. 
95 Upas Tree, Java. 
96 Virginia Tea. 
97 Victoria Regia, the Great Water Lily.
Educational Series of Slides—Continued.

Bp

The Life of the Wheat Plant from Seed to Seed.

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1. The Structure of the Grain. (1) The grain X 6 times. (2) Embryo of 1 exposed, X 6 times. (3) Section of 1, X 6 times. (4) Transverse section of 1 through endosperm, X 6 times. (5–6) Transverse section of 1 through the Embryo, X 6 times.

2. The Structure of the Grain. (7) Section of part of a grain showing the stored starch and starch, X 120 times. (8) Starch grains, X 250 times.

3. Germination of the Grain. (1) Grain sown 8 days, X 4 times. (2) Section of 1, X 6 times. (3) Grain sown 5 days, X 4 times. (4) Section of 3, X 6 times. (5) Grain sown 8 days, X 4 times. (6) Section of 5, X 6 times.

4. Germination of the Grain. (7) Section of the leaf sheath of 5, X 30 times. (8) Section of base of leaf of 7, X 120 times. (9) Skin and stomata of leaf, X 120 times. (10) Section of root of 5, X 40 times.

5. The Young Plant. (1) First leaf emerging, 1/4 natural size. (2) Figure 1, X 4 times. (3) Section of part of Fig. 2, X 6 times. (4) Young plant with a second leaf, 1/4 natural size. (5) Section of part of Fig. 4, X 6 times.

6. The Young Plant. (6) Young plant with 3 leaves, 1/4 natural size. (7) Part of 6, X 3 times. (8) Section of 7, X 6 times. (9) Section of root with young root hairs, X 40 times.

7. Early growth of the Ear. (1) Plant, March 21, 1/4 natural size. (2) Plant, April 21, 1/4 natural size. (3) Lower part of 3, X 3 times. (4) Section of 4, X 3 times.

8. Early growth of the Ear. (2) Centre of stem of 1, with young ear, X 16 times. (6) Section of stem of 3 with young ear X 16 times. (7) The ear, April 26, X 16 times. (8) The ear, May 6, X 16 times. (9) The ear, May 12, X 16 times. (10) Growth of the Ear and Flower. (1) The ear, May 12, X 8 times. (2) The ear, May 33, X 8 times. (3) The ear emerging from sheath, June 16, 1/4 natural size.


Bq

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5. Fruit. Long. section of embryo, stained
6. Plant. Trans. section of endosperm, stained

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1 Warbles in Ox, Hypoderma bovis, female, Larva
from tumour, Geital apparatus, eggs, &c.
2 Dot in the Hoof, Gasterophilus. Rota attached
to stomach, eggs on hairs, and adult Fly
3 Mange in the Horse, Psoroptes communis equi, Male
4 Mange in the Horse, male and female
5 Mammary Disease, Demodex folliculorum
6 itch in Man, Sarcoptes sarcoide, male and female
7 Scab in Sheep, Psoroptes longipalpis var ovis
8 Lice of Pig
9 Cough of Horse
10 " (sucking of Ox), Hemocotopus cypertorum
11 " (biting), Trichoedectes salutaris, with allied
form from Magpie for comparison
12 Tick from Sheep, Iodes ricinus
13 Tick from Dog, Iodes ricinus
14 " or Keel from Sheep, Melophagus ovinus
16 Brain of Sheep with poisonous Hydatid of
Tenuis cavum
16 A Tape Worm of Dog, Tenuis markinata, in
Bladder cyst from Sheep
17 Tape Worm of Dog, Tenuis markinata
18 Trichina spiralis, a piece of-infested flesh
19 Liver Fluke of Sheep, Distoma hepaticum
20 The Smal, the Fluke inhabit, Lainicus truncuratum
and embryo of D. Lepeletum
21 Autumn Breeze Fly, Tabanus bovis, magnified
head and mouth organs
22 Common Symbiot, Symbiot communis, found
on Horse, Ox, Goat, Sheep, and Rabbit

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1. The Skeleton of the Horse
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5. Pig
6. Lateral view of the Horse Skull
7. Right fore-foot of a Horse
8. Left hind-foot of a Horse, External aspect
9. External Muscles of the right anterior limb of the Horse
10. Larynx of the Horse, Cartilaginous pieces maintained in their natural position by the articular Ligaments, Superior and Inferior Faces
11. The Bronchial Tube of the Horse with its Bronchioles and ultimate ramifications
12. Kidneys of the Ox
13. Heart and principal Vessels of the Horse—Left Face
14. Heart and principal Vessels of the Horse—Right Face
15. Stomach of the Horse
16. Stomach of the Ox seen on its right upper face, the Abomasum being depressed
17. The Intestines of the Horse, General View. The animal is placed on its back and the Intestinal masses spread out
18. The Roots of the Jugular Vein in the Horse with its superior collateral affluents
19. Median and Vertical Section of the Horse's Brain
20. Nerves of the Digit

Section ii.—Bacteriology.

21. Healthy Blood, Red and White Corpuscles
22. Involucrum Form of Bacillus Anthracis (Agar Cultivation)
23. Spore-formation of Bacillus Anthracis (Potato Culture)
24. Bacillus of Tetanus (Culture)
25. Tuberculosis (Intestinal Ulcers in a Tubercular Cow)
26. Tuberculosis (Lungs of Rabbit Insolated with milk from a Tubercular Cow)
27. Actinomyces
28. Actinomyces ("Lumpy Jaw")
29. A Specimen of the Glanders Bacillus

Section iii.—Parasites.

30. Spiropters and Larvae of the Cæstrus in the Stomach of the Horse
31. Larves and Pupa of the Gastrophus Equuli
32. Male and Female of the Gastrophus Equuli
33. Tania Perflorida of the Horse; Cephalic extremity of the Tania Perflorida
34. Tania Mamillana; Cephalic extremity of same
35. Tania Plicata of Horse
36. Tania Expansa of the Ox; Cephalic extremity: Natural third of a Segment showing the arrangement of a genital spot
37. Tania Marginita of the Dog, and Hooks of same
38. Tania Caninus of the Dog, and Hooks of same
39. Tania Reichnococcus and Hooks of same
40. Lumbrocidis Ascariæ, Lateral View and Ventral Surface, Male and Female
41. Oxyuris Curvula of the Horse, Male and Female
42. Cephalic Extremity of the Strongylus C. and of the Sheep
43. Caudal Extremity of the male Phagostoma Venulosum
44. Trichinema Spirales of the Pig
45. Hematopinus, Macropsenius, of Horse (Female)
46. Hematopinus, Hystricinus, of Ox (Female)
47. Hematopinus Tenuicornis
48. Trichodectes, Sphenecephalus of Sheep (Female)
49. Melophagus of Shear; the line on the left indicates the natural length
50. Ixodes Ricinus of the Dog, a foecundated female after feeding
51. Peropectes Communis Equi, Male, seen on the ventral surface
52. The Mange Acarus of the Sheep
53. Dog, affected with advanced Demodecic Scabies

Section iv.—Obstetrics.

54. Ischioperineal Position of the Foetus (cow)
55. Anterior Presentation: Fore limb crossed over the neck
56. Anterior Presentation: One fore limb completely returned
57. Anterior Presentation: Fore limbs bent at the knees
58. Anterior Presentation: Both fore limbs completely retained
59. Anterior Presentation: Extreme downward deviation of the head
60. Anterior Presentation: Lateral deviation of the head towards the shoulder
61. Anterior Presentation: Deviation of the head upwards and backwards
62. Lumbo-sacral Position
63. Hock Presentation: Hock cored
64. Thigh and Croup Presentation
65. Sterno-abdominal Presentation, head retained: Calf
66. Baron’s Obstetric Machine

Section v.—Veterinary Surgery.

67. Post Traxis
68. Casing—Rope applied
69. English Method of throwing down a horse with hobbles
70. Operating Table: Vertical Position (1) Aisace Nose-ring and Head-stall
71. (2) Aisace Nose-ring applied
72. (3) Vignan’s controlling apparatus for Oxen
73. (4) Suture applied to the Shoulder
74. (5) Suture applied to the Head
75. (6) Suture applied to the Fore limb
76. (7) Suture applied to the Shoulder
77. (8) Suture applied to the Head
78. (9) Suture applied to the Fore limb
79. (10) Suture applied to the Shoulder
80. (11) Suture applied to the Head
81. (12) Suture applied to the Fore limb
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4 Fresh laid egg opened and yolk turned upside down in the white to show the raised ends of yolk membrane which by their weight keep the germ uppermost
5 Showing appearance of germ after 18 hours incubation, concentric circles surrounding germ
6 Germ after 24 hours incubation. The dark patch being a portion non-actinic to plate probably due to some infection of blood taking place
7 Appearance after two days—yolk expanding, first appearance of blood vessels, embryo of chicken appearing
8 Appearance on 3rd day—rapid development of blood vessels, yolk becoming granular in appearance, embryo of chicken larger and when shell open pulsation of heart visible
9 Appearance on 4th day—yolk larger, blood vessels spreading over its surface
10 Showing effect of raising the temperature of incubator from 108 degrees (normal) to 190 degrees for 24 hours on 4th day, yolk becoming altered and membrane surrounding the embryo becoming visible
11 5th day—blood vessels spreading over almost the entire surface of yolk, embryo large, and now surrounded by a protective circle of albumen through which the blood vessels pass
12 A portion of No. 11 enlarged, showing the blood vessels feeding the heart, eye of chicken visible
13 Embryo on 5th day dissected from the yolk, showing the membrane which envelopes it when in the shell, also the elongated end of vertebal column
14 Appearance on removing portion of shell on 5th day, differing from No. 11 of same period, embryo being completely covered by blood vessels
15 Embryo of No. 14 removed from shell and slightly magnified showing rudimentary limbs
16 6th day—showing embryo of chicken now surrounded by a quantity of thinner albumen and chicken sinking into a cavity forming in the yolk
17 Embryo of No. 16 dissected from the yolk and magnified, showing its natural position at this period surrounded by albumen with blood vessels absorbing its nourishment from the yolk, and conveying it to the chicken by the umbilical cord
18 7th day—showing the chicken resting in the now well-formed folds of the yolk, with the main artery going into the chiken twisted
19 Embryo of No. 18 removed from shell and membrane, showing development of wings
20 No. 19 enlarged to show formation of head at this period
21 Empty shell on 7th day showing well-expanded membrane of air space
22 8th day—showing air space at broad end of shell and chicken sunk into a cavity between folds of yolk
23 9th day—opened more on the side of egg to show the formation of the cavity and folds of yolk. The yolk also becoming more granular in appearance
24 The entire contents of shell removed on 9th day and placed in position to show the under surface of shell, yolk, and back of chicken, yolk at this period having few blood vessels on under surface
25 9th day—removed from shell showing first formation of beak. Blood vessels larger (compare with No. 13)
26 Showing the effect of temperature of 120 degrees on 9th day for several hours, blood vessels expanded to utmost, and altered in appearance
27 10th day, showing well-developed folds of yolk and chicken somewhat altering its position
28 11th day—portion of covering membrane removed, showing the growth of the fold of the covering membrane
29 11th day—shell opened near broad end of egg and covering membrane removed, showing chicken resting in a well-fitting cavity of yolk
30 Embryo removed from shell and covering membrane, showing growth of limbs and head
31 11th day—contents of shell removed, yolk perforated and contents withdrawn, showing the membrane surrounding the yolk, and the method of absorbing its nourishment from the surface of yolk
32 11th day—removed from shell and slightly enlarged, showing growth of beak and body
33 11th day—contents of shell removed without breaking yolk membrane, and chicken placed in position to show two well-formed curves in main artery. For use, see No. 44
34 11th day—showing well-expanded air space
35 12th day—showing appearance of membrane and blood vessels, on carefully removing a portion of the shell
36 12th day—covering membrane removed, showing chicken turning its position, feathers appearing, also showing the membrane of air space
37 12th day—removed from shell
38 12th day—entire contents of shell removed, showing the white of the egg being absorbed by the yolk
39 Showing appearance of covering membrane on 13th day
40 13th day—with membrane removed, showing head of chick coming nearer to air space
41 13th day—appearance on removing shell
42 14th day—removed from shell, showing growth of limbs
43 15th day—appearance of covering membrane, also well-developed air space and its membrane
44 15th day—covering membrane removed, showing the new well-formed curves of main artery to allow of free movement of limbs
45 15th day—removed from shell
46 16th day—membrane removed, showing main artery close to membrane of air space for aeration of blood
47 16th day—opened from opposite side of shell to No. 46
48 16th day—entire contents of shell removed, showing but a small portion of white of egg left, but large amount of yolk, partially divided into two lobes, between which the chicken rests when enclosed in shell
49 17th day—portion of membrane removed
50 17th day—membrane removed, showing main artery passing close to air space and head of chick getting into position for hatching
51 17th day—entire contents of shell removed, showing the still unabsorbed yolk, also the blood vessels of membrane round the shell
52 17th day—showing chicken with swollen neck, head in wrong position, and dead
53 Showing No. 52 from other side, with yolk removed
54 17th day—removed from shell
THE EMBRYOLOGY OF A CHICKEN—(continued).

56 Showing position assumed by No. 63, on cutting
57 31st day—removed from shell, showing the
remaining portion of unexhausted yolk being
absorbed into the body of chicken, thus pro-
viding its nourishment for short period after
hatching.
58 End of air space opened on 31st day, showing the
loose folds of membrane surrounding the now
relaxed chick.
59 Restless chick hardly peeled off, showing
chicken apparently hound by now almost use-
less blood vessels.

ENGLISH BIRDS

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5 Great Titmouse with Nest made in a letter box
6 Long-tailed Titmouse with young birds on bush, Parus caudatus
7 Great Spotted Woodpecker. Picus major
8 Carrion Crow with Nest and Eggs. Corvus corone
9 Hooded Crow or Hoyton Crow feeding Young. Corvus cornix
10 Jackdaw in hollow of Tree. Corvus monedula
11 Jay and Nest, Jays feeding Young. Garrulus glandarius
12 Magpie with Nest and Eggs. Pica pica
13 Rock feeding Young. Corvus frugilegus
14 Starling and Young in hollow of a tree. Sturnus vulgaris
15 Bullfinch and Nest. Pyrrhula europaea
16 Chaffinch and Young. Fringilla coelebs
17 Greenfinch, Nest and Eggs. Fringilla chloris
18 Hawfinch and Nest. Coccothraustes vulgaris
19 Linnet, Nest and Eggs, and Greenfinch, Linota canabina
20 Twite and Nest. Fringilla flavivestris
21 Common Buntings and Nest. Emberiza milvulina
22 Reed Buntings, and Nest. Emberiza schoeniclus
23 Snow Buntings in a Rock. Plectrophenax nivalis
24 Yellowhammer, Emberiza citrinella
25 Reed Warbler feeding Young. Acorusphalus streperus
26 Willow Warbler and Nest. Phylloscopus trochilus
27 Garden Warbler. Sylvia borinensis
28 Chiffchaff, Nest, and Eggs. Phylloscopus rufus
29 Missel Thrush. Turdus viscivorus
30 Song Thrush and Nest. Turdus muscicola
31 Meadow Pipit, or Tilkiark, feeding Young. Anthus pratensis
32 Tree Pipit, Nest and Eggs. Anthus arvensis
33 Tree Pipit feeding Young.
34 Skylark feeding Young. Alauda arvensis
35 Skylark rising from the ground. Alauda arvensis
36 Common Flycatcher and Nest. Muscicapa griseola
37 Pied Flycatcher on Tree feeding Young. Muscicapa striatula
38 Kingfisher on Bank. Halcyon hypermene
39 Pied Wagtail feeding Young. Motacilla lugubris
40 Common Crossbills on Fir Tree. Loxia curvirostra
41 Lesser Redpoll. Linota rufescens
42 Nightingale, Nest, and Young. Philomela luscinia
43 Red-backed Shrike, or Butcherbird, feeding Young. Lanius collurio
44 Robin calling its mate. Erithacus rubecula
45 Siskin and Nest. Chrysomelis spinus
46 White-throat and Nest. Sylvia cinerea
47 Wood Wren on ground feeding Young. Phylloscopus sibilatrix
48 Blackbird watching mate on Nest. Merula merula
49 Blackcap feeding Young in Nest. Sylvia atricapilla
50 Stonechat and Eggs. Pratincola rubripiea
51 Winchat and Nest. Pratincola rubripiea
52 Nuthatch with Young. Sitta caupia
53 Wheatear feeding Young. Sactoaria oenanthe
54 Young Cheekoo in Nest being fed by two Hedge-
sparrors. Cuculus canorus
55 Long-eared Owl feeding Young with Mice. Asio otus
56 Reed Warbler's Nest and Eggs
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10 Sedge-Warbler. Acrocephalus schoenobaenus
11 Whitethroat. S. communis
12 Tiger-Tit. Aegithalos collaris
13 Wren. Troglodytes troglodytes
14 Long-tailed Tit. Aegithalos caudatus
15 Chaffinch. Fringilla coelebs
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20 Crossbill. Loxia curvirostra
21 Kingfisher. Alcedo atthis
22 Spotted Flycatcher. Muscicapa striata
23 Common Jay. Garrulus glandarius
24 Magpie. Pica pica
25 Green Woodpecker. Dendrocopus viridis
26 Woodcock. Scolopax rusticula
27 Blackbird. Turdus merula
28 Blackcap. S. atricapilla
29 Sparrowhawk. Accipiter nisus
30 Skylark. Alauda arvensis
31 Nightjar. Caprimulgus europaeus
32 Little Stint. Calidris minuta
33 Cirl Bunting. Emberiza cirlus
34 Ringed Plover. Charadrius hiaticula
35 Skylark. Alauda arvensis
36 Lapwing. Vanellus vanellus
37 Kingfisher. Alcedo atthis
38 Shoveler. Anas clypeata
39 Black-headed Gull. Larus ridibundus
40 Shoveler. Anas clypeata
41 Great Skua. Stercorarius skua
42 Redshank. Tringa totanus
43 Snipe. Gallinago gallinago
44 Teal. Anas crecca
45 Wood Sandpiper. Tringa glareola
46 Ringed Plover. Charadrius hiaticula
47 Greenshank. Tringa nebularia
48 Curlew. Numenius arquata
49 Black-headed Gull. Larus ridibundus
50 Barnacle Goose. Branta leucopsis
51 Greylag Goose. Anser anser
52 Black-headed Gull. Larus ridibundus
53 Blackbird. Turdus merula
54 Whitethroat. Sylvia communis
55 Ringed Plover. Charadrius hiaticula
56 Shoveler. Anas clypeata
57 Black-headed Gull. Larus ridibundus
58 Redshank. Tringa totanus
59 Lapwing. Vanellus vanellus
60 Teal. Anas crecca
61 Barnacle Goose. Branta leucopsis
62 Curlew. Numenius arquata
63 Black-headed Gull. Larus ridibundus
64 Shoveler. Anas clypeata
65 Ringed Plover. Charadrius hiaticula
66 Black-headed Gull. Larus ridibundus

BIRD-NOTES.

From the Original Drawings by Mr. G. E. Lodge, copied by permission of Messrs. Longmans, Green & Co.

Text Book, Hayward's "Bird Notes," 6s.

1 Tawny Owl
2 Starling
3 Goldcrest
4 Robin watching Heron
5 Tomtit
6 Bullfinch
7 Green Woodpecker
8 Rook and Blackbird
9 Thrush breaking Snails
10 Cole Tit
11 Nuthatch
12 Swallows
13 Chiffchaff Feeding Young Cuckoo
14 Pied Woodpecker
15 Group of Birds—Winter-time
EDUCATIONAL SERIES OF SLIDES—Continued.

BRITISH BIRDS AND NESTS.

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KITTiwAKE AT NEST. No. 130.

1 Avocet Feeding. *Avocetta recurvirostra.* (Holland.)
2 Avocet's Nest.
3 Nest made of flamingoes' feathers, and eggs. (Spain.)
4 Egg.
5 Bee-Eater. *Merops apiaster.*
6 , Nest and eggs.
7 Little Bittern, Montenegro. *Ardeetta minuta.*
8 ,
9 ,
10 Nest of Little Bittern, Hungary. *Ardeetta minuta.*
11 Nest of Blackbird, with four eggs. *Turdus merula.*
12 Blackcap on Nest. *Sylvia atricapilla.*
13 Nest.
14 Bramble thrush on Twig. *Fringilla monti fringilla.*
15 Bullfinch Hen on Nest. *Pyrhrhula Europea.*
16 Common Bunting. *Emberiza militaria.*
17 Nest, with two eggs.
19 Nest and Eggs.
20 Hen at nest feeding young.
21 Yellow Bunting. *Emberiza citrinella.* Nest and eggs.
22 Buzzard's Nest.
23 Capercaillie's Nest.
25 Nest and eggs.
26 Hen on nest.
27 Coot. *Fulica atra.*
28 Nest.
29 Nest of Little Crane, Hungary. *Porana barua.*
30 Nest of Spotted Crane, Hungary. *Porana marueta.*
31 Cormorant standing on rock. *Phalacrococca auro.*
32 Cormorant sitting.
33 Two birds and nest.
34 Nest with two eggs.
35 St. James's Park.
36 Carrion Crow's Nest and two eggs. *Cervus corone.*
37 Cuckoo's egg in Hedge-Sparrow's Nest. *Cuculus canorus.*
38 Young Cuckoo in Hedge-Sparrow's Nest, while below are seen a Hedge-Sparrow's egg and a dead young bird, ejected presumably by Cuckoo.
39 Young Cuckoo in Hedge-Sparrow's Nest.
40 Fed by Hedge-Sparrow.
41 Dipper's Nest.
42 Turtle Dove. *Turtur communis.*
43 Nest and eggs.
44 Eider Duck's Nest and eggs. *Somateria mollissima.*
45 Bird sitting.
46 Stock Duck's Nest, with two eggs. *Columba anatra.*
47 Tufted Duck. *Fuligula cristata.*
48 Nest.
49 Nest.
50 Swimming.
51 Wild Duck's Nest and eggs. *Anas boscas.*
52 Dunlin. Three birds feeding. *Tringa alpina.* (Spain.)
53 Booted Eagle at Nest, Spain. *Aquila pennata.*
54 Golden Eagle. *Aquila chrysaetus.* (Transylvania).
55 Sea Eagle (immature), Roumania. *Haliastus albicilla.*
56 Little Egret. Pair building. *Ardea garretta.* (Spain.)
57 Nest with three eggs.
58 Spotted Flycatcher. *Musciapa grisola.*
59 Side view.
60 Nest.
EDUCATIONAL SERIES OF SLIDES—Continued.

BRITISH BIRDS AND NESTS—Continued.

124 Kites.
125 " Nest. Milvus icinnus. (Spain.)
126 " Egg.
127 " Young birds in Nest.
128 Black Kite’s Nest, with three eggs. Milvus migrans. (Spain.)
129 " Egg.
130 Kiltiwake on Nest, with egg, showing young bird. Rissa tridactyla.
131 " Fair on Nest, with two young birds.
132 " Site of Nest with birds, Farne Islands.
   (Medal of the Royal Photographic Society of Great Britain for these photographs.)
133 Lapwing. Cock.
134 " on Nest (photographed automatically).
135 Sky Lark’s Nest and eggs. Alanda arvensis.
136 " Young.
137 Linnet’s Nest, with eggs. Linota canina.
138 House Martin. Nest.
139 " " on Nest.
140 " Five Nests.
141 " " Two Martins.
142 Sand Martin’s Nest Holes.
143 Moorhen. Gallinula chloropus.
144 " sitting.
145 " Nest and eggs.
146 Nightingale. Dusuia luscinia.
147 " Nest, with four eggs.
148 " on Nest.
149 " taking meal-worm.
150 Nightjar on Nest. Caprimulgus europaeus.
151 " Nest and eggs.
152 " Two young birds.
153 " on hough.
154 " and young.
155 " sitting.
156 Barn Owl. Stryx flammea.
157 " " Young bird in down.
159 " Adult.
160 Short-eared Owl. Asio accipitrinus.
161 " " Ear of.
162 " Nest and eggs. (Norfolk.)
163 Tawny Owl. Symurus aluco.
164 Oyster Catcher. Hapemotis oestrilocus.
165 " Nest.
166 " Nest and eggs.
167 Partridge’s Nest, with thirteen eggs. Perdix cinerea.
168 " on Nest.
170 " " Nest.
171 Peregrine. Falco peregrinus.
172 " " killing partridge. (Trained bird.)
173 " " Herring treatments. Phalaropus colchicus.
175 " Nest, with twelve eggs.
176 " Hen-hird sitting.
177 Wood Pigeon’s Nest and two eggs.
178 Pintail’s Nest.
179 Meadow Pipit’s Nest. Anthus pratensis.
180 Green Plover. Vanellus crinitus.
181 Young Plover. " with four eggs.
182 " " sitting.
183 " Young bird.
184 Pair of Grey Plovers in summer plumage. Squatarola helvetica.
185 Kentish Plover’s Nest, with three eggs.
186 " " Egg.
187 Ringed Plover.  
188 " Nest with four eggs.
189 Pochard. Fuligula ferina.
190 " Nest.
EDUCATIONAL SERIES OF SLIDES—Continued.

BRITISH BIRDS AND NESTS—Continued.

191 Pratincole. *Glareola pratincola.*
192 Nest and eggs.
193 Pullus. Two birds. *Fratercula arctica.*
194 Three birds.
195 Young bird at mouth of nest-hole.
196 Burrow, with egg and bird's head.
198 Raven. *Corvus corax* (Transylvania.)
199 Nest and eggs. *Corvus corax.* (Spain.)
200 Redbreast. *Erithacus rubecula.*
201 Nest, with three eggs.
202 Lesser Redpoll. *Acanthis rufescens.*
203 Nest.
204 Redshank's Nest with four eggs. *Tringa calidris.*
205 Redstart. *Ruticilla phoenicurus.*
206 Nest, six eggs in hole of sycamore tree.
207 Rock. *Corvus frugilegus.*
208 Nest and eggs.
209 Climbing to Rock's Nest.
210 Ruff.
211 Nest of Common Sandpiper. *Lanarius meridionalis.* (Spain.)
212 Grey Shrike on Shrub. *Lanius meridionalis.* (Spain.)
213 Nest of Red-backed Shrike. *Lanius colururo.*
214 Hedge Sparrow on Nest. *Accipiter modarins.*
215 Nest and eggs.
216 House Sparrow. *Passer domesticus.*
217 Spoonbill's Nest and six eggs. *Platea leucorodia.* (Holland.)
218 Young bird in nest.
219 Nest, and three young in nest.
220 Nest, and two young in nest.
221 Starling outside Nest in old Wood-pecker's Hole. *Sturnus vulgaris.*
222 Nest and eggs.
223 Nest and eggs.
224 on chimney.
225 looking out of hole.
226 Stilt. *Himantopus candidus.*
227 Three birds feeding. (Spain.)
228 Nest, with four eggs.
229 Egg.
230 White Stork on Ground. *Ciconia alba.*
231 Nest, with young in Nest.
232 Bird on Nest, with two young. (Holland.)
233 Nest, on Nest. (Seville.)
234 Swallow's Nest and four eggs. *Hirundo rustica.*
235 Nest.
236 Nest and young.
237 Nest, with four young birds resting.
238 Young.
239 Teal.
240 Nest.
241 Arctic Tern's Nest, with one egg. *Sterna arctica.*
242 Black Tern's Nest, with three eggs. *Hydrochelidon nigra.* (Spain.)
243 Nest, on Nest.
244 Nest, with two young birds in Nest.
245 Egg.
247 White-winged Black Tern, Nest.
248 Common Tern's Nest, with two eggs. *Sterna hirundo.* (Holland.)
249 Nest, on Nest.
250 Lesser Tern's Nest, with egg and young bird. *Sterna minuta.* (Texel.)
251 Nest, with two eggs.
252 Sandwich Tern's Nest. *Sterna cantensis.*
253 Nest, among Bladder Campion. Egg and freshly-hatched bird and empty egg shell. (Farne Islands.)
254 Whiskered Tern's Nest, with two eggs. *Hydrochelidon hyperborea.*
255 Egg. (Spain.)
256 Mistle Thrush on Nest. *Turdus viscivorus.*
257 Nest.
258 Song Thrush. *Turdus muscicola.*
259 Nest.
260 Nest, Nest and young.
261 Bearded Tit. *Parus canus.*
262 Nesting young.
263 Blue Tit. *Parus caeruleus.*
264 Stump showing hole in which nest was lodged.
265 Nest of Long-tailed Tit. *Aegithalos caudatus.*
266 Nest of Marsh Tit (hole cut out to show nest).
267 Griffon Vulture. *Gyps fulvus.* (Transylvania.)
268 Nest. (Spain.)
269 Nest, in Nest. (Spain.)
270 Nest.
272 Nest.
273 Nest.
274 Nest, with young.
275 Yellow Wagtail. *Motacilla flava.*
276 Nest, sitting.
277 Nest and eggs.
278 Nest.
279 Nest.
280 Reed Warbler's Nest. *Acrocephalus stertorius.*
281 Nest.
282 Nest.
283 Nest, Nest and young.
284 Great Reed Warbler. *Acrocephalus torquatus.* (Holland.)
285 Nest.
286 Nest, with young.
287 Nest of Savi's Warbler. *Locustella luscinioides.* (Holland.)
288 Sedge Warbler feeding young. *Acrocephalus phragmites.*
289 Nest.
290 Water Hen in Reeds.
291 Nest.
292 Whinchat. *Pratincola rubetra.*
293 Nest.
294 Greater Whitethroat. *Sylvia communis.*
295 Nest.
296 Nest, with eggs.
297 Nest.
298 Nest.
299 Wren. *Troglodytes parulus.*
300 Nest.
301 Willow Wren. *Phylloscopus trochilus.*
302 Nest.
303 Nest, with five eggs.

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1 Surroundings of Nest. 162
2 Male Swan Gathering Nest-material. 10 Female Swan trying Temperature of Water.
3 Female Swan with Clutch of Eggs. 11 Coaxing Cygnets Down.
4 Dropping on Eggs. 12 Male Swan Coaxing Cygnets.
5 Male Swan Charging on Land. 13 Shaking Cygnets for Attempting to Climb his Back.
6 Flying to Defend Nest. 14 The Family As Not.
7 Attacking Dog in Shallows. 15 Back to the Nest: Male swan attending to straggler.
8 Rearing to Fly at Dog. 16 Female Preening Herself: One cygnet sitting on an egg.
9 Feeding Male Swan. 17 Female Swan with Family.

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2 Climber going backward over Cliff.
3 View of Cliff, 300ft. high, with Climbers at Work.
4 The Fullers at Work on Cliff-top. 18 Cygnet Climbing on its Mother's Back.
5 Climber walking up the Face of Cliff.
6 Climber nearing the Cliff-top.
7 Climber at the Top.
8 Climber emptying his Pouches.
9 A Heap of 300 Eggs of Guillemots and Razorbills.
10 Birds on the Cliff Ledges.
11 Carrion Crow.
12 Cuckoo (young) on Nest of Pied Wagtail.
13 Curlew's Two Young.
14 Turtle Doves, a Pair of Young.
15 Spotted Flycatcher beside Nest.
16 Young Bird.
17 Young Red Grouse among Heather.
18 Black-headed Gulls. A pretty View of Island with Birds on Nest and on the Wing.
19 General View of Gullery.
20 Young just Hatched, showing another pecking its Way out of Egg.
21 On Nest.
22 Standing beside Nest.
23 Merlin Hawk on Nest.
24 Nightjar (young), 10 days' old.
25 3 weeks' old.
26 A White Jackdaw.
27 A Young Jay.
28 Jays (young) on Edge of Nest.
29 Showing Crest.
30 Kingfisher at Home.
31 Knots, A Group of.
32 Lapwing.
33 Nest and Eggs, with young one just Hatched.
34 Nest of Young.
35 A Pair of Young Magpies.
36 Mallard (Wild Duck) on Nest.
37 Nest Covered, as left by Bird.
38 Nest Uncovered, showing Eggs.
39 King Ousel on Nest.
40 Barn Owl, Nesting Tree.
41 Interior View, showing Eggs and Mice.
42 A Young Long-eared Owl.
43 Two in Nest.
44 On Twigs.
45 Tawny Owl on Nest in Rabbit Burrow.
46 Partridge on Nest.
47 Pheasant on Nest.
48 Tree Pipit on Nest.
49 Wren, Beside Nest.
50 Rollin on Greenhouse.
51 Sandpiper, Haunt of.
52 On Nest.
53 Nest and Eggs.
54 Skylark on Nest.
55 Feeding Young.
56 Young, on Nest.
57 Snipe on Nest.
58 Young.
59 Starling about to feed Young.
60 Missel Thrush feeding Young.
61 Song Thrush at Home.
62 Great Tit with Food for Young.
63 A White Turkey.
64 Grey Wagtail on Nest.
65 Sedge Warbler feeding Young.
66 Willow Warbler entering Nest.
67 Wheatear near its Nest.
68 Whitethroat feeding Young.
69 Woodcock on Nest.
70 Green Woodpecker, Nesting Site, showing Hole in Tree.
71 Pair of Young.
72 Pair of Young.
73 Wren feeding Young.
74 A Baboon in a Pit of Temper.
75 The Badger.
76 A West Highlander (Bull).
77 Dogs, Foxhounds at the Kennels.
78 Out for Exercise.
79 A Meet of the Hounds.
80 Young Lupetti Dogs.
81 A Retriever (head study).
82 A Young Wild Fox leaving Fox-earth.
83 Horse (a head study).
84 Field Mouse Nest with Young. 28 Cygnet Feeding Themselves.
85 Otter, A Pair of Young.
86 Leaving Pond after a Bath.
87 Pigs, A Study in Black and White.
88 Rabbit (young) at the Entrance of Burrow.
89 Wildflowers in situ, Daisies in Field.
90 Forget-me-nots in Whins.
91 Primrose Root in Wood.
92 Wood Anemone.
93 Water Ranunculus.
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6 Highland poachers
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8 Turned to a sheltered corner
9 Mustards at sunrise
10 A drive
11 Grouse gliding up the gams
12 A Merlin seizing her prey
13 Wildfowl on the mud flats
14 Snipe boring
15 On the outlying heat
16 The first drive of the season
17 The home of the Ptarmigan
18 Falcon on the watch
19 Woodcock dropping into cover
20 Spoot (Fox)
21 Condemned to death (Stags)
22 Through the deep drift (Stags)
23 Mallards off the Coast
24 Guillemots and Puffins
25 Goldfinches
26 Cormorants on the Wild West
27 Christmas Visitors (Field-Fares)
28 Norwegian Hawk Owl
29 Black Game
30 Ptarmigan in Summer
31 The Poacher (two birds)
32 Grouse (Cock of the Andes Eagle
33 Peregrine Falcon and Ptarmigan
34 The Moors, Blackcock (gan
35 Partridges in Winter Months
36 Hen and Cock Pheasant on Nest
37 Hare and Pheasants at Rest
38 Wild Duck Shooting
39 Grouse-shooting: Flanking the Pack into the Guns.
40 Pheasants in Close Time
41 Grey Hen and Nest (Plumage
42 Partridges in Mid-September
43 Sparrow Hawk raiding a flock
44 Black Game (of Chaffinches
45 Mallard going down wind
46 Parent Partridges and the last of their Brood; their Cook and Hen distinguished by Plumage

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2 Bray Taking Birds Out of Net at Neis
3 The Wildfowler Loading the Old Gun
4 Black-headed Gull in Nest
5 Young Great Black-backed Gull in Net
6 Common Gull in Nest
7 Squirrel on the grass
8 Squirrel sitting in a tree
9 The Gamekeeper
10 Pheasant Shooting
11 Hedgehog Shooting—the First
12 Keeper's Museum, Owls, Weasels, etc.
13 Pole Trap
14 Wrennet Trap
15 Hare
16 Rabbit looking out of hole
17 Rabbits in the grass
18 Rabbits with Ferret
19 Rabbit Shooting
20 Hedgehog
21 Rat
22 Tawny Owl with Mouse
23 Castings of Barn Owl
24 Mouse bones from Barn Owl casting
25 Long-tailed Field Mouse
26 Dormouse
27 Mouse in trap
28 Axis deer. Leonard'slee Park
29 Bennett's Wallabies, Leonard'slee Park
30 Prairie dogs looking out of hole, Leonard'slee Park
31 Viper basking
32 Viper
33 Lizard
34 Chameleon
35 Common Bat, Pipistrelle
36 Spider in Web
37 Stock Caterpillars (Sambucus)
38 Larve Purple Emperor
39 Larve Lobster Moll
40 Larve of Eyed hawk moth. b. ocellatus
41 Kerr's Hawk moth. b. ocellus
42 Lime hawk moth. b. ocellus
43 Puss moth. D. vivulita
44 Pupa of Orange-tip butterfly, A. cardamines
45 " " Swallow-tail butterfly. P. maackian
46 " " Privet hawk moth. b. nigutri
47 Slide showing butterfly. Cardamines
48 Slide showing butterfly. Callichro. Upper side and under side imitating dead leaf.
49 Slide showing protected butterflies and others of different genera imitating them
50 Slide showing protected Butterflies and others of different genera imitating them
51 Silver-washed Fritillary Butterfly on Bramble
52 White Admiral Butterfly on Honeysuckle
53 Lefton Nettle at last hatched, on empty cocoon
54 Grayfish
55 Trout Fishing
56 Newt coming to surface of water to breathe
8TH NATURAL HISTORY SUBJECTS.


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ORDER CHIROPTERA (BATS).
1 Long-eared Bat (Plecotus auritus), dorsal view.
2 " " side view.
3 " " front view.
7 Serotine Bat (Vespertilio serotinus) front view.
8 " " side view.
13 Nottule Bat (Vespertilio noctula) front view.
14 " " three-quarter view.
15 " " descending trunk.
16 " " pair of.
18 Common Bat (Vespertilio pipistrellus), front view.
20 " " showing teeth.

ORDER INSECTIVORA.
31 Hedgehog (Erinaceus Europaeus), side view.
32 " " front view.
33 " " dorsal view.
34 " " coiled.
35 " " attacking grass-snake.
36-41 Six Successive Stages of a Hedgehog un-coiling.
43 Two Young Hedgehogs in Nest.
43 An Old Hedgehog climbing.
44 Magnified section of pointed end of Hedgehog's Quill.
45 " " root end.
46 " " transverse section of Quill.
47 " " superficial view of Quill.
52 Mole (Talpa Europaeus), side view.
53 " " with eyes clearly displayed.
54 " " devouring worm.
55 " " burrowing.
56 " " emerging.
59 Bones of the Mole's Fore-limb.
61 " " with Bones of Shrew-mouse for comparison.
63 Magnified vertical section through Mole's Mandible.
63 " " superficial view of Mole's Mandible.
64 " " grinding surface of worn Lower Molars.
65 " " ventral aspect of Upper Jaw.
66 Vertical section of simple Mole Fortress.
67 " " complicated Mole Fortress, four nests in situ.
68 Reconstruction of Interior of Mole's Fortress.
69 Mole's Zig-zag Surface Run.
76 Common Shrew Mouse (Sorex araneus), side view.
77 " " running.
78 " " sitting up.
79 Duel between Common Shrew Mice, fighting for opening.
80 " " one combatant caught by tail.
81 " " close-locked split.
82 " " breaking away.

83 Pygmy Shrew Mouse (Sorex minutus) front view.
84 " " dorsal view.
85 " " climbing.
86 " " hunting insect.
87 " " eating beetle.
88 " " aspens.
89 Water Shrew Mouse (Cossopus fodranis), foraging at edge of water.
90 " " about to dive.
94 Shrew Mouse Skin, with Hair parted to show Scent-glands.
95 Front view of Head of dead Shrew Mouse, showing vibrissae.
96 Hibernating Glands of Shrew Mouse.
97 Magnified Skull of Common Shrew Mouse.
98 " " Mandible of.
99 " " Upper Jaws of.
100 Magnified vertical section through Mandible of Water Shrew Mouse.
101 Skulls and Fore-limb Bones of the Pygmy Shrew Mouse, an immature Common Shrew Mouse of the same size, and a mature Common Shrew Mouse.
102 Dead specimens of the Pygmy Shrew Mouse and an immature Common Shrew Mouse, showing the external specific differences.
105 Badger (Meles taxus), side view.
106 " " emerging from burrow.
107 " " pair of.
108 Badger's Skull, side view.
109 " " dorsal view.

ORDER CARNIVORA.
110 Marten (Mustela martes), side view.
111 " " standing.
113 " " sliding on bough.
113 " " with extended neck.
114 " " asleep.
118 Polecat (Putorius fordistus), front view.
119 " " with extended neck.
120 " " asleep.
124 Stoat (Putorius ermineus), front view, sitting up.
125 " " front view, crouching.
126 " " side view.
127 " " coiled.
131 Weasel (Putorius vulgaris) side view.
133 " " listening.
133 " " with extended neck.
134 " " coiled.
136 Weasel Kittens.
138 Skulls of Stoat and Weasel, showing dentition and articulation of Jaws.

ORDER RODENTIA.
170 Squirrel (Sciurus vulgaris), side view.
171 " " front.
172 " " standing.
173 " " sitting up.
174 " " listening.
Continued.

NATURAL HISTORY SUBJECTS—Continued.

se (Muscardinus avellanarius) front three-quarter view. 
tawed by Dormouse. 
Mouse (Mus minutus), feeding. 
climbing. 
Harvest Hare (Mus sylvaticus), showing use of Prehensile Tail. 
Harvest Mouse (Mus sylvaticus), front view. 
side view. 
tree view. 
climbing. 
Pair of Harvest Mice. 
showing use of Prehensile Tail. 
Long-tailed Field Mouse (Mus sylvaticus), front view. 
side view. 
tree-quarter view. 
under dandelion. 
crouching, with depressed ears. 
listening. 
Magnified right Upper and Lower Molars of same. 
Common Mouse (Mus musculus), front view. 
standing. 
on trap. 
trap. 
Duel between Harvest Mice. 
Cinnamon Variety of Common Mouse (Partial albino). 
Red-backed Meadow Mouse (Evotymys glareolus), front view. 
side view. 
tree-quarter view. 
burrowing. 
cleaning tail. 
Skulls of Red-backed Meadow Mouse, Common Meadow Mouse, and Long-tailed Field Mouse, showing specific differences. 
Mandibles of same. 
Nest Material of Red-backed Meadow Mouse. 
Magnified right Upper and Lower Molars of same. 
Common Meadow Mouse (Microtus agrestis), front view. 
side view.

ORDER AMPHIBIA.

Grass Frog (Rana temporaria), side view. 
front view. 
Spawn of Grass Frog, early stage. 
eggs commencing to hatch. 
Magnified Spawn, tadpoles showing branchiae. 
Dorsal and lateral views of Tadpoles showing branchiae. 
Tadpoles feeding on Star-wort. 
Various stages of Tadpoles, showing development of Limbs. 
Edible Frog (Rana esculenta), side view. 
gaping. 
croaking, vocal sacs distended. 
climbing. 
Common Toad (Bufo vulgaris), side view. 
front view. 
floating in water. 
Group of Three Common Toads. 
Shoulder-girdles of Grass Frog and Common Toad. 
Natterjack Toad (Bufo calamita), front view. 
sitting. 
stretching himself. 
Natterjack and Common Toad together. 
Variable Toad (Bufo viridis), side view. 
side view. 
Tree Frog (Hyla arborea), climbing. 

AMPHIBIA and REPTILIA.

Fire-bellied Toad (Bombinator igneus), side view. 
in defensive attitude. 
Pair of same, one in defensive attitude. 
one feigning death. 
Salamander (Salamandra maculosa), front view. 
side view. 
dorsal view. 
Pair of same, side view. 
dorsal view. 
Tadpoles from the egg. 
Tadpoles of Smooth Newt and Great Warty Toad, front view. 
side view. 
Smooth Newt's discarded Skin suspended in air. 
Great Warty Newt (Triton cristatus), male. 
female. 
Group of Male and Female Smooth News. 
Male Smooth Newt, showing reproduction of tail. 
Courtship of two Smooth News. 
Six stages in the development of Newt Tadpoles from the egg. 
Tadpoles of Smooth Newt and Great Warty Toad, front view. 
side view. 
Smooth Newt's discarded Skin suspended in air. 
Great Warty Newt (Triton cristatus), male. 
female. 
Palamed Newt (Triton palmatus), male. 
female. 
Pair of Alpine News (Triton alpestris).
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**NATURAL HISTORY SUBJECTS—Continued.**

**PIECES (FISH).**

<table>
<thead>
<tr>
<th>Fish Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sticklebacks (Gasterosteus aculeatus)</td>
<td></td>
</tr>
<tr>
<td>Stickleback and Nest</td>
<td></td>
</tr>
<tr>
<td>Paradise Fish (Polyacanthus viridi-austrius)</td>
<td></td>
</tr>
<tr>
<td>Lampen (Petromyzon fluviatilis)</td>
<td></td>
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<tr>
<td>Ventral Surface</td>
<td></td>
</tr>
</tbody>
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**INSECTS (INSECTS).**

<table>
<thead>
<tr>
<th>Insect Name</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Egg of same</td>
<td>Egg of same</td>
</tr>
<tr>
<td>Pupa of same</td>
<td>Pupa of same</td>
</tr>
<tr>
<td>Larva of same (M. elpenor)</td>
<td>Early stage</td>
</tr>
<tr>
<td>full fed.</td>
<td>full fed.</td>
</tr>
<tr>
<td>full fed.</td>
<td>full fed.</td>
</tr>
<tr>
<td>Humming Bird Hawk Moth (M. stellatarum)</td>
<td>Hawk Moth (M. sternarchus)</td>
</tr>
<tr>
<td>Hornet Clearwing (T. apiformis)</td>
<td>Hawk Moth (M. sternarchus)</td>
</tr>
<tr>
<td>three-quarter view</td>
<td>three-quarter view</td>
</tr>
<tr>
<td>side view</td>
<td>side view</td>
</tr>
<tr>
<td>front view</td>
<td>front view</td>
</tr>
<tr>
<td>front view</td>
<td>side view</td>
</tr>
<tr>
<td>Yellow-tailed Moth (A. atra)</td>
<td>Dove Moth (A. atra)</td>
</tr>
<tr>
<td>Ladybird Moth (A. atra)</td>
<td>Hawk Moth (M. sternarchus)</td>
</tr>
<tr>
<td>Hawk Moth (M. sternarchus)</td>
<td>Hawk Moth (M. sternarchus)</td>
</tr>
<tr>
<td>side view</td>
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**ORDER REPTILIA.**

<table>
<thead>
<tr>
<th>Reptile Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slow-worm (Anguis fragilis), full stretch</td>
<td>Slow-worm (Anguis fragilis), full stretch</td>
</tr>
<tr>
<td>Slow-worm (Anguis fragilis), laid</td>
<td>Slow-worm (Anguis fragilis), laid</td>
</tr>
<tr>
<td>Six stages in the hatching of a young Slow-worm from the Egg</td>
<td>Six stages in the hatching of a young Slow-worm from the Egg</td>
</tr>
<tr>
<td>Two young Slow-worms</td>
<td>Two young Slow-worms</td>
</tr>
<tr>
<td>Common Lizard (Lacerta vivipara), male</td>
<td>Male Lizard (Lacerta vivipara)</td>
</tr>
<tr>
<td>Female Lizard (Lacerta agilis), male</td>
<td>Female Lizard (Lacerta agilis), female</td>
</tr>
<tr>
<td>Female</td>
<td>Female</td>
</tr>
<tr>
<td>Green Lizard (Lacerta viridis), male</td>
<td>Green Lizard (Lacerta viridis), male</td>
</tr>
<tr>
<td>Wall Lizard (Lacerta muralis), side</td>
<td>Wall Lizard (Lacerta muralis), side</td>
</tr>
<tr>
<td>Lizard (Lacerta muralis), side</td>
<td>Lizard (Lacerta muralis), side</td>
</tr>
<tr>
<td>Chameleon (Chamaeleon vulgaris), front view</td>
<td>Chameleon (Chamaeleon vulgaris), front view</td>
</tr>
<tr>
<td>side view</td>
<td>side view</td>
</tr>
<tr>
<td>Grass Snake (Tropidonotus natrix), full length</td>
<td>Grass Snake (Tropidonotus natrix), full length</td>
</tr>
</tbody>
</table>

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**ORDER LEPIDOPTERA.**

<table>
<thead>
<tr>
<th>Butterfly Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swallow-tail (Papilio Machaon)</td>
<td>Swallow-tail (Papilio Machaon)</td>
</tr>
<tr>
<td>Large White (P. cresstonia)</td>
<td>Large White (P. cresstonia)</td>
</tr>
<tr>
<td>Green Veined White (P. Napi)</td>
<td>Green Veined White (P. Napi)</td>
</tr>
<tr>
<td>Orange Tip (E. cardamines)</td>
<td>Orange Tip (E. cardamines)</td>
</tr>
<tr>
<td>Pale Clouded Yellow (C. Hyale)</td>
<td>Pale Clouded Yellow (C. Hyale)</td>
</tr>
<tr>
<td>Brimstone (G. Rhuma)</td>
<td>Brimstone (G. Rhuma)</td>
</tr>
<tr>
<td>Holly (L. tepida)</td>
<td>Holly (L. tepida)</td>
</tr>
<tr>
<td>Duke of Burgundy (N. lucina)</td>
<td>Duke of Burgundy (N. lucina)</td>
</tr>
<tr>
<td>Grizzled Skipper (S. malva)</td>
<td>Grizzled Skipper (S. malva)</td>
</tr>
<tr>
<td>Small Skipper (H. thumais)</td>
<td>Small Skipper (H. thumais)</td>
</tr>
<tr>
<td>Death’s Head Hawk Larva (S. atropos)</td>
<td>Death’s Head Hawk Larva (S. atropos)</td>
</tr>
<tr>
<td>Privet Hawk Larva (S. ligustri)</td>
<td>Privet Hawk Larva (S. ligustri)</td>
</tr>
<tr>
<td>Large Elephant Hawk Larva (S. elpenor)</td>
<td>Large Elephant Hawk Larva (S. elpenor)</td>
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</tbody>
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**NEWTON & CO., Opticians to the Royal Family,**

<table>
<thead>
<tr>
<th>INSECTA</th>
<th>Description</th>
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<tbody>
<tr>
<td>Grass Snake, head reared</td>
<td>Grass Snake, head reared</td>
</tr>
<tr>
<td>Eggs of Grass Snake</td>
<td>Eggs of Grass Snake</td>
</tr>
<tr>
<td>Smooth Snake (Coronella austriaca), full length</td>
<td>Smooth Snake (Coronella austriaca), full length</td>
</tr>
<tr>
<td>Adder (Pellis berus), striking</td>
<td>Adder (Pellis berus), striking</td>
</tr>
<tr>
<td>Adder raising head</td>
<td>Adder raising head</td>
</tr>
<tr>
<td>Small Red Adder striking</td>
<td>Small Red Adder striking</td>
</tr>
<tr>
<td>Side view</td>
<td>Side view</td>
</tr>
<tr>
<td>Adder’s Skull, fangs depressed</td>
<td>Adder’s Skull, fangs depressed</td>
</tr>
<tr>
<td>Fangs erected</td>
<td>Fangs erected</td>
</tr>
<tr>
<td>Adder’s Fang, side view</td>
<td>Adder’s Fang, side view</td>
</tr>
<tr>
<td>Side view</td>
<td>Side view</td>
</tr>
</tbody>
</table>
EDUCATIONAL SERIES OF SLIDES—Continued.

NATURAL HISTORY SUBJECTS—Continued.

750 Larva of Puss Moth (D. vinula). m
751 "" whips extended. m
752 Cocoon of same. m
753 Puss Moth, front. side.
754 "" dorsal view. side.
756 Buff Tip (P. bupheala), dorsal view. m
757 "" side view. m
770 Mother Shipton (E. mi), dorsal view. 771 "" side view.
774 Swallow Tail Moth (U. sambucaria), dorsal view.
775 "" side view.
776 Large Emerald (G. papilionaria), dorsal view.
777 "" side view.
780 Common Ware (G. exanthemaria). 781 "" Impaled on thorn by wind.
784 Currrant Moth (A. gossulariata).
785 Beautiful Carpet (N. albicilla).
788 Treble Bar Moth (A. piagia). 790 White Plume Moth (A. penutaclyla), dorsal view.
791 "" side view.
792 Pair of Plume Moths.
796 Long-horn Moth (Adela).
798 Larva of Lobster Moth (S. fagi), m
799 "" feeding.
800 Pair of same.
801 Larvae of Purple Thorn (Trimucalata). m
804 Pupae of Brimstone and Peacock Butterflies.
806 Pupae of Swallow-tail, Silver-washed Fritillary and large Tortoiseshell Butterflies.
806 Small Black and White Moth, mimicry of excrement.

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815 Common Cockroach (B. orientalis), side view.
816 "" on mouse-trap.
817 Common Grasshopper (Stenobothrus).
818 Pair of same.
822 Tetitix bipunctatus.
826 Green Sabre-tailed Grasshopper (L. punctatissima), female.
829 Tree Grasshopper (M. varium), female.
831 L. punctatissima and M. varium together.
834-7 Four stages of the Brown Sabre-tailed Grasshopper (T. cinereus).
838 Pair of Male T. cinereus.
840 Great Green Grasshopper (L. viridissima), female.
841 "" dorsal view.
843 "" legs raised.
850 Field Cricket (Gryllus campestris), side view.
851 "" front view.
852 "" backing out of hole.
853 "" stridulating at entrance of hole.
854 Pair of same.
855 Immature Female of same (no ovipositor).
860 Male Cricket (Gryllotalpa gryllotalpa), side view.
861 "" three-quarter view.
865 House Cricket, (Gryllus domesticus), side view.
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881 "" side view.
882 "" ventral view.
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887 Ichneumon Fly (Proteus).
888 Ichneumon Fly (Ophion).
892 Common Wasp (Vespa vulgaris), side view.
893 "" front view.
894 Queen of same hibernating.
898 Sand-wasp (O. spinipes), see also Life History of Mud Wasp.
899 Sand-wasp (Ammophilia sabulosa).

901 Sand-wasp (Boops), front view.
902 "" side view.
903 "" dorsal view.
904 Sand-wasp (Flavipes), side view.
905 "" dorsal view.
907 Ruby-tail (Chrysis ignita).
912 Dipper Fly devouring small Sand-wasp.
914 Cuckoo of the Leaf-cutter Bee (Carioxyx).
918 Burrowing Wasp (Anthophora pilipes), dorsal view.
917 "" side view.
918 Cuckoo of same (Melitta armata), dorsal view.
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920 "" front view.
926 Humble Bee (Bombus terestris), on daffodil.
925 "" on hyacinth.
926 Solitary Wasp (Crabo cribius).

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940 Dragon Fly (L. depressum).
942 "" (Carduletus).
944 "" (Calopteryx).
946 "" (Agrion).
948 Lacewing Fly (Chrysops), dorsal view.
949 "" side view.
950 Stalked Eggs of same.
952 Crane Fly (Tipula), on bramble.
953 Bee Fly (Bombilius), on thyme.
954 "" on scabious.
956 Wasp Fly (Volucella).
957 Hover Fly (Syrphus).
958 Caddis Worm, with casing of star-wort leaves.
959 Caddis Fly (Phryganoma grandis)
961 Drone Fly (Eristalis), on Golden Rod.

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980 Tiger Beetle (Cicindela), dorsal view.
981 "" side view.
986 Great Water Beetle (H. piceus), male.
987 "" female.
988 "" female and larva.
991 Devil's Coach-horse (O. olens), dorsal view.
992 "" side view.
993 Burying Beetle (Hemator).
999 Burying Beetle (Vespillo), on dead mouse.
1001 Cockchafer (Melolontha), dorsal view.
1003 "" taking flight.
1004 Musk Beetle (Aromia moschata), dorsal view.
1005 "" side view.
1007 Male Stag Beetle (L. cervus), dorsal view.
1008 "" front view.
1009 Female Stag Beetle, with Larva in situ.
1011 Death Watch Beetle (Anobium).
1013 Rose Beetle (Cetonia aurata).
1014 Wasp Beetle (Clytus arietis), dorsal view. m
1015 "" side view. m
1016 "" front view. m
1017 Bloody-nosed Beetle (Timarcha).
1019 Dor Beetle (Geotrupes).
1021 Wire Worm (Elater), dorsal view.
1023 "" side view.
1024 Soldier Beetle (Telephorus).
1026 Long-horned Beetle (Strangalia), dorsal view.
1027 "" side view.
1029 Broad-thighed Beetle (Oedemera).

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1040 Water Boatman (Notonecta glauca).
1041 Water Scorpion devouring Larva of Dragon Fly (Nepa cinerea).
1042 Silver Fish (Leptisma).

ARACHNAE (SPIDERS).
1050 Mimicking Spider (Thomisus), on bramble.
1051 "" with fly.
1052 "" mimicking bramble-blossom.
NEWTON & CO., Opticians to the Royal Family,

EDUCATIONAL SERIES OF SLIDES—Continued.

"BEASTIES COURAGEOUS."
A Collection of Nature Stories founded on observed fact.

These Slides are all photographed from life.

Descriptive Book by DOUGLAS ENGLISH, B.A., F.R.P.S., author of "Wee, Tim'r'ous Beasties" (Bousfield & Co.), 5s. net.

Plain Photographic Slides, 1s. 6d. each.

I.—The Water Rat.
1 "Can you tell me where I am?" said the Roach beneath him.
2 "Can you tell me?" said the Water Rat.
3 The lone Water Rat.
4 He scarce had strength to drag himself ashore.
5 Here was flowing, whirling water.
6 Stared with all his eyes.
7 She met him with a whirlwind of fore-paws.
8 He sat apart and feigned indifference.
9 Arched like a Weasel, bustling like a Hedgehag.
10 He backed into a corner.
11 The Lady watched his landing.

II.—The Daring of the Wood Mouse.
1 He who was of all mouse-folk the handsomest.
2 Moreover, she was cinnamon, with carmine eyes.
3 He met a vole or two.
4 He raised his head and smiled.
5 Huddled together, they formed by the entwinement of their bodies a triple-headed monster.
6 The Mother Weasel stood upright.
7 He forged diligently.
8 He glanced to gaze upward.
9 High on the wall above me sat Primalkin.
10 He sat up fussing with his fore-paws.
11 As he crouched in the shelter of the dock-leaves.

III.—The Unjust Nihilation of the Toads.
1 He sat a bare ten feet above me.
2 Crooking his head as though to hear them better.
3 Indignation changed to menace.
4 Enter the King Toad.
5 In their presence he relaxed his dignity.
6 They left the presence almost at a run.
7 Met mutual agreement in each other’s eyes.
8 He has a yellow stripe upon his back.
9 So he passes out of the Tale.
10 The Toads surveyed their destination gloomily.
11 In it, or, rather, half within it, was an Eel.
12 Once more they ranged on either side of him.
13 Life, rainbow-tinted, glitters in the depths of it.
14 Fishes with long, waving tails.
15 He is a lonely bachelor.
16 Rested a moment on the surface.

IV.—The White Vole.
1 She was white from nose-tip to tail-tip.
2 We both saw it plainly.
3 Leapt suddenly from sheltering grass tufts.
4 Tore madly up and down the runs.
5 This set her thinking.
6 She made supper off six blades of grass.
7 The Red Vole held the house.
8 "Certainly not!" shouted the Vole from the Hebrids.
9 "Yes, I live under that."
10 "I am at home most days."
11 Yet he must pass it somehow.
12 So making the best front he could be arched himself.
13 Stood facing him on her hind legs.
14 If she sat on him, she could mean no harm.
15 So they went up the bank together.
16 "Whiskers!" he cried.
17 Fought him to such good purpose that he screamed for mercy.
18 The White Vole is the Vole of Voles.

V.—The Keeper's Tree.
1 Showed her graceful form full front.
2 He saw the Marten.
3 She leapt on to the bough above.
4 Craned her long neck.
5 The Stoat came from the tramples.
6 Looked back across his shoulder.
7 Mouse-hunting was her wont.
8 Whisked round upon a stone.
9 As a moth crosses the flames.
10 Fate led towards the second entrance.
11 Stopped as he saw the Weasel.
12 The light fell full upon the Polecat.
13 He would fight for it.

VI.—Cosbulon and Penelope.
(See Studies of Nesting Swans.)

VII.—The Vengeance of Jump-Jim-Crow.
1 Jump-Jim-Crow crept out and faced the sunset.
2 She huddled through the air.
3 In size she beat himsquarely.
4 Made advances with his feelers.
5 Stretched up and showed his instrument of music.
6 Whisked round and showed his waistcoat.
7 Pressed her lips to his.
8 Like knight of old in panoply.
9 The Shrew-mouse sat up like a velvet ball.
10 The Shrew-mouse ran the bank three times a day.
11 So he crept out.
12 Even the Grasshoppers were better off.
13 The Mole Cricket.
14 The Bush-chepch shows solicitude about her eggs.

Note.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
"WEE, TIM'ROUS BEASTIES."

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Descriptive Book by DOUGLAS ENGLISH, B.A., F.R.P.S. (Bousfield & Co.) 5s. net.

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I.—Mus Ridiculus.
  1 Mus ridiculous
  2 In front of him were three horizontal wires
  3 It was only a Cockroach, however
  4 He tried each bar separately
  5 The Harvest Mouse, that Lilliputian rascal
  6 And left a bewildered kitten at the top
  7 He rushed off to tell his wife
  8 She was a veritable queen amongst mice
  9 He had fought five suitors to win her
  10 First she would sit upon the spring-door
  11 Then with flattened body she would steal beneath it
  12 Was in the act of pushing her into shelter
  13 Their stable relations
  14 A clammer along a six inch ledge
  15 A frantic struggle landed them over the edge

II.—The Story of a Field Vole.
  1 Title slide
  2 His first sensation was one of extreme cold
  3 Nibbling to begin with at the pointed end
  4 Ready at the first scent of danger to glide back
  5 He still paused irresolute
  6 He tried to pick up his position
  7 Vole-like this latter undoubt-
   edly was
  8 They sat gazing at one another
  9 A woodmouse of high degree
  10 So when the stranger leapt lightly into the undergrowth
  11 He humbly tried to follow
  12 She paused, and he saw her sniff suspiciously
  13 She swung round, and he was discovered

III.—The Apology of the House Sparrow.
  1 He was speaking with his mouth full as usual
  2 There is an odd egg in each clutch
  3 It was a full minute before he broke the silence
  4 One part of white arsenic to fifteen parts of meal
  5 It was a hole in a tree-stump
  6 Shot at!
  7 Trapped!
  8 Netted!
  9 Avian Rat indeed! rather avar scavenger
  10 I felt ashamed

IV.—The Awakening of the Dormouse.
  1 He lay face downwards
  2 What, awake! shouted the Squirrel
  3 My Lady Shadow tail
  4 Mother!
  5 It was the orange-tip
  6 Before him lay the twilight world he loved
  7 Figure somewhat stout says the hook
  8 His eyes? Nor pen, nor camera can present them
  9 Sharp-pointed toes that catch the slightest foothold
  10 It was the same soft fur that he had nestled in last year
  11 Once more he felt the magic of life within him
  12 He waited for her as long as he dared
  13 Mother was climbing pain-
   fully up to him
  14 But that night came the first frost

V.—The Purple Emperor.
  1 Title slide
  2 A small green-yellow translucent cone
  3 His horns but empha-tised the likeness
  4 Growing more slug-like every day
  5 For all his rainbow tints he was invisible
  6 The crowded segments of his body recalled the pile of velvet
  7 On the chrysalis head were two sharp-pointed horns
  8 Colour and form continued their skilful mimicry
  9 Its form the form of the sallow leaf
  10 He chose the loftiest branch of the loftiest oak in the forest
  11 Whites
  12 Brimstones
  13 Peacocks
  14 Red Admirals
  15 Hair-streaks
  16 Painted Ladies
  17 Skippers
  18 Sibylla
  19 She sat on an oak pinnacle
  20 The Emperor alighted within a foot of her
  21 She turned her back on him
  22 Once more settled on a neighbour-ing leaf
  23 The Emperor crept a little closer
  24 She showed him the broad, white ribbon
  25 Toasted her in the sap of the oak leaf

VI.—The Harvest Mouse.
  1 Title slide
  2 A shrew mouse turned up
  3 He, and he only has a prehensile tail
  4 The Harvest Mouse sat on the top of a cornstalk
  5 The woodmouse
  6 Tasted the true joy of living
  7 Sometimes waiting for the wind
  8 A shadow a little harvest mouse as ever crossed a corn-field
  9 Her front was of the purest white
  10 Her eyes were small, but they were very gentle
  11 She was finer mise-en-scène for such a conflict
  12 Frivolous
  13 For an hour they enjoyed the novel sensation
  14 The long-drawn wall of the brown owl drove them below
  15 He climbed between two towering stalks
  16 In five minutes he was up aloft once more
  17 Sometimes his wife came with him
  18 The mouse crept two graine higher
  19 Bevus the Adler
  20 The Harvest Mouse's nest

VII.—The Trivial Fortunes of Molge.
  1 It was merely by chance that one hit his envelope
  2 He was straight but unlovely
  3 It was only the copper gleam of his eye
  4 His sucker had taken the semblance of a mouth
  5 His gills were longer and more feathery
  6 He stayed there a succession of days
  7 He glided into the water slowly
  8 His old skin hung before him
  9 The Tadpoles
  10 The very sticklebacks fought shy of him
  11 He had a nest to guard
  12 Scattered in rainbow-tinted disarray
  13 The water-spider lived by him
  14 When the next first saw him, he was devouring a caddis-worm
  15 Snatched a dragon-fly from the jaws of the water-scorpion
  16 The water-boatman was difficult to do justice to
  17 It was a case of mutual attraction
  18 The giddy vortex of newt society
19 Sometimes they traversed the middle deeps
20 Sometimes they summed themselves on the surface
21 A roach snapped at him
22 Each lamperm was anchored by its sucker
23 The new portion was stubby and colourless

VIII.—The Passing of the Black Rat.
1 The Black Rat sat up on his haunches
2 First the patatree
3 Stole forward until his whiskers brushed against the door
4 He tried to steady himself by nibbling at a stray corn ear
5 It was the most vulgar, ill-conditioned beast

6 The position showed him at his best
7 The farther one was cleaning it
8 A veritable Caliban of rats

IX.—The Fox's Tricks are Many.
1 The Water Rat came from a hole
2 The Noctules came from the hollow of the old chestnut
3 The Dormouse came from half-way up the hazel
4 The Woodmouse came from its roots
5 It was the Hedgehog who started it
6 The Noctule spoke first
7 Next spoke the Stoat, the Swashbuckler
8 I would, said the Squirrel

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1 African Lion, Head
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3 Lion
4 Lioness
5 Head
6 Lion and Lioness
7 Tiger
8 Bengal
9 at full length
10 Head
11 African Elephant
12 Head
13 Indian
14 Indian with children
15 Bear climbing a pole
16 Polar Bear (aged)
17 Polar Bear (young)
18 coming out of water
19 Rhinoceros
20 Swimming
21 one-borneed
22 two-borneed
23 Hippopotamus, "Guy Fawkes"
24 Camel House
25 Camel
26 Camel, Bactrian
27 Dromedary
28 Llama
29 Side view
30 Guanaco
31 Giraffe
32 Kangaroo
33 Rat Kangaroo
34 Gazelle
35 Emmering Gazelle
36 Wapiti and Hinds (Young Hors)

37 Reindeer
38 Moose
39 Nygghau
40 Mule or black-tailed Deer
41 Adder
42 Gnu
43 Hartebeest
44 Malacca Deer
45 Zebra

46 Zebra "Burchell's"
47 " young
48 Wild Ass, "African"
49 Goat
50 Iber
51 Yak
52 Barbary Sheep
53 Malay Tapir
54 Pacoary
55 Wolf, Grey
56 Indian
57 Black-bearded Jackal
58 Fox, Indian
59 Arctic
60 Dingo
61 Bison
62 Kland
63 Indian Buffalo
64 Zebra (Sacred Ox of India)
65 Zebu, male & female
66 Gayal, Indian
67 Wild White Cattle
68 Gibson Ape
69 Chimpanzee
70 Ourang-Ouang
71 Nacque
72 Capeyhara
73 Sea Lion
74 Seal
75 Hairy Armadillo
76 Porcupine
77 Giant Tortoise
78 Tortoise Yzle
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95 Boa Constrictor
96 Crocodile
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102 Leopard, "Major," India
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126 White
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128 Council of Three
129 Pelicans
130 Cassowary
131 Crane, Common
132 Australian
133 Stanley
134 Wattled
135 Cape Crowned
136 Sacred Ibis, Australia
137 Egret
138 Crested Cremers
139 Great Bustard
140 Upland Goose at Patagonia
141 Swans
142 Pond and Swans
143 Eagles
144 Ostrich Farm
145 Condor. Andes
146 Cupaca Casque
147 Roebill
148 Ost, S. Africa
149 King Penguin
150 Crowned Pigeon, India
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7 Camel's Nest and its Nest, showing Cells, and Larvae
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13 Elk in its Winter Home and Fortress, defying the Wolves
14 Fortress of the Mole
15 Giant Armadillo digging up a Grave
16 Harvest Mouse and their beautiful Home
17 Heronry, with Nest and Young
18 Humble and Red-tipped Bee
19 Kingfisher and its Burrow, with Nest and Eggs
20 Little Hermit Humming-Bird and its funnel shaped Nest with Young
21 Long-tailed Titmouse and its snug little Home
22 Moor-Hen Nest, with Eggs, and Young Ones in Water
23 Mud Wasp and its Hanging Nest
24 Mullangong, or Duckbill, the Burrow, with Land and Water entrance
25 Nest of Kentish Curlew, or Black Turkey, with group of Natives of Australia
26 Nest of Termites, or White Ants
27 Osprey and Grackle's Nest
28 Polar Bear from his play in their Winter Home
29 Prairie Dog Town, with Burrowing Owl & Snake
30 Rabbit Burrow, Nest and Young
31 Robber Crab removing Coca-Buts
32 Robin's Nest with Young Ones in a Fernery
33 Sand Martin and its Burrow, with Sparrow-Flaw
34 Stormy Petrel and its Burrow
35 Sticklebacks, Sub-aquatic Nests
36 Tailor Bird and Nest
37 Trap-door Spider, showing hinged doors and interior of Nest
38 Water Spiders, their Sub-aquatic Air Cell and Nest

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2 Cat, Tom's clever trick, getting milk out of narrow-necked jug
3 Cat on windowledge waiting for Cat's-Meat Man
4 Dog: "Charlie," White Sergeant of the Bow Street Police Office
5 Dog, "Faithful Chum," rang the bell every morning at six o'clock, to call the servants
6 Dog, "The Noble Fireman," jumping through a window of a house on fire to save a child
7 Dog, "Gipsy," Skye Terrier fondling Chicken
8 Dog, Shepherd's, mourning the death of his master—sitting beside his bed
9 Dog, "Pilot," the Newfoundland, having killed the Young Nightingales, is taunted by the old bird
10 Dog watching by the grave of his master at Fortrose, Isle of Skye
11 Dog, "A Friend in Need," drawing the rope that fastened a tin can to another dog's tail
12 Dog, Newfoundland, "Dandi," or the dog that reasoned, showing his contempt at having a bad penny given to him
13 Dog "Sambo," protecting his feathered friend, the Cockin China Pows, from another dog
14 Dog "Jack," the Shepherd's Dog, collecting the poultry into the hen-house
15 Dog, "A Bosom Friend," rescuing his master from the snow, keeping him warm
16 Elephant protecting thief, who had run between his legs
17 Fowls, the White Cock dies on "Meggy," the Hen's Grave
18 Horse, the Driver shaking hands, "Now, Tom, the other foot!"
19 Horse, the Old Charger and the Baker in Hyde Park with the Life Guards
20 Lion, "The Hero," the Lion at the Tower, recognizing the Sailor, and showing his pleasure
21 Lion "Danco," protecting his keeper while lying asleep in the den
22 Monkey, the Andaman Monkey at the Zoo smoking his pipe
23 Rat getting the oil out of a narrow-mouthed bottle with his tail
24 Sheep and the Italian Shepherd-boy

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4 Bee Hunting in Australia by Native
5 Bison Hunting by Indians in Snow Shoes
6 Kangaroo hunting by Wolves
7 Buffalo Charge in Africa, Escape of Native
8 Elephant carrying Hunter on his Trunk
9 protecting Young from Kaffir Spear men
10 harnessed for War. Indian Battle
11 driven into Corral by Natives. Night Scene
12 Hippopotamme Trap, the Downfall of the Spear
13 Hog Spear, Indian dressed in Wolves
14 King Hunt with Dogs in Australia
15 Killing the Panther, saving Huntman's life
16 Lion Hunting, killed by Elephant with branch of Tree, and Sportman rescued
17 Lion attacks Dr. Livingstone, and shot by Native
18 Lions fighting
19 Maldonado bound to a Tree, and protected from Wild Beasts by a Puma
20 Shooting White Rhinozeros, Sportman concealed on Bank of Kruten. Night Scene
21 Reindeer Shooting
22 Seal Spearimg in Greenland, from Canoes
23 How to Shoot
24 Snake Hunting by Natives of Australia
25 Tiger Hunting on Elephants in Indian Jungle
26 "Death Spring," seizes head of Elephant
27 "fighting with Gladiator, Colseum, in Rome
28 "and Alligator fighting
29 "strikes down Liut. Rice, shot by Hunterman
30 "shooting by Native, Decoy Goat. Man for lantern, Goat for Sapper
31 Walrus Spearimg from Beaks, Greenland
32 "Battle with King of the Frozen Seas
33 Whaling, Whale harpooned
34 Wild Horses, Hunting with Lasso, South America
35 Wolves and Russian Traveller. Noble Sacrifice
36 Wolf Pot for Trapping Wolves, Lamb as Decoy
THE EVOLUTION OF A FROG.

A Series of X-Ray Lantern Slides on the Evolution from the Spawn through the Tadpole Stage to the Mature Frog, showing Absorption of the Tail and Development of Internal Organs and Skeleton.

Photographed from life by Mr. W. M. MARTIN, of Redruth.

The Herbivorous Period.

1. Spawn of Frog taken from a pool in February, showing eggs embedded in a jelly-like string of mucilage.
2. Showing young Tadpoles after they have jerked themselves out of the gelatinous mass, as yet mouthless and living on their still unenlarged capital of yolk.
3. Showing development of a fish-like tail, and first appearance of portions of a short alimentary canal, also slight internal indications of the forming posterior legs.
4. Showing the development of a more globular shape of body, with an elongation of alimentary canal and further internal development posterior to the tail.
5. First appearance of bone as two centres of ossification in head, also showing appearance of a rounded mouth and alimentary canal forming itself into a coil.
6. Showing further development of bones of head and the alimentary canal coiled up like a watch spring and extending almost from side to side.
7. Same period as No. 6, but radiographed through the sides and showing first appearance of centres of ossification of vertebral column.
8. Same period as No. 6, with exposure governed to show the portions most transparent to X Rays, as white dots and possibly caused by weakening of tissue to allow of exit of posterior legs.
9. Showing first appearance externally of the posterior legs, both appearing simultaneously, body of Tadpole larger and more elongated, with the head much larger and thus more a digger tail for use as a powerful swimming organ.
10. Same period as No. 9, with exposure to the X Rays so governed as to show the varying degrees of transparency of the skin.
11. Showing appearance of two additional bone centres in head, Mouth more triangular in shape, Alimentary canal extending from side to side with an enlargement of its end on left.
12. Alimentary canal becoming smaller, and in the two central Tadpoles, which have been kept without food, the bones of the head may now be seen articulated to the partially ossified vertebral column.
13. Showing further development of the bones of head. Alimentary canal still diminishing in size and more confined to right side.
14. Showing first indications of the coming forelimbs, and also that the right side of vertebral column ossifies sooner than the left.
15. About a week later than No. 14, radiographed through the sides, showing small tongue affixed to the inner side of front of lower jaw, Also as an outgrowth from the hindermost vertebra the long spine of the backbone (see fully grown stage) may be seen partially developed.
16. Showing final stage of development of tail to be absorbed as food in a later stage. Also the extent of development of posterior legs before the appearance of the fore limbs.
17. Showing the fore limbs in process of unfolding, Alimentary canal much diminished in size, and situated almost entirely on right side.

Commencement of the Carnivorous Period.

18. Almost sudden appearance of considerably developed fore limbs, and equally sudden disappearance of alimentary canal, where the latter is visible both fore limbs have not yet appeared. Also showing fore limbs do not appear simultaneously, either right or left coming first.
19. The animal now leaps ashore. The Tadpole is becoming a Frog. The mouth has become wider, the gullet become shrunked. Transverse processes of vertebrae developing, and more Frog-like appearance evident, and being as yet unable to catch its own food, it begins living on the expense of its tail.
20. Same period as No. 19. Caught in the grass near pool and radiographed through the side, showing partial absorption of tail. Appearance of stomach, absence of alimentary canal, Compare with Radiograph of same position in Herbivorous period, No. 15.
21. About four days later than No. 20, showing the tail quarter part absorbed, and the long style of hinder-end of backbone, and produced extremities of haunoh-bones coming more plainly into view.
22. Showing how the three quarters absorbed, and legs growing longer.
23. Showing tail externally completely absorbed, but portions still visible internally, and further development of the transverse processes of the vertebrae.
24. Complete absorption of all trace of tail, and the young Frogs through living on their own tissue, do not become much smaller. Bones skeleton more developed. Tongue visible through the intermandibular space. First appearance of portions of hard undigested food.
25. Showing the young Frogs, now able to capture their own food, regaining flesh. Further appearance of hard undigested portions of food. Compare with No. 22.
27. Showing ossification of upper jaw-bone—Vertebral column wider and more defined. In specimen at bottom right corner the two cerebral hemispheres of brain are visible.
28. Showing further growth of the Frogs, lengthening of limbs, and base of jaw-bone commencing to articulate with the vertebral column.
29. Showing partial ossification of joints of fore limbs. Compare with No. 28.
30. Further stages of ossification of joints of fore limbs, and of the articulation of jaw-bone with vertebral column.
31. Showing a greatly increased ossification of apex of vertebral column, previous to complete articulation with jaw-bones.
32. Showing three stages of development of the cartilage of interior of head.
33. Showing jaw-bones now articulated with vertebral column, transverse processes of vertebrae longer, and in the centre of Frog the large free tongue may be seen in the intermandibular space.
34. Young Frog, showing its characteristic deeply-notched free tongue.
THE EVOLUTION OF A FROG—Continued

35 Same period as No. 34, radiographed through the side, showing an almost straight vertebral column and a thick well-developed tongue with its tip pointing down the throat.

36 Showing further stage of ossification of the articulation of jaw and vertebral column. The innermost digit of top specimen swollen—male. In bottom specimen all the digits equal in size—female.

37 Showing a larger space at the base between upper and lower jaws, Appearance of a hand and socket arrangement in joint of fore limbs.

38 Same period as Number 37, radiographed through the side, showing development of a curve in vertebral column. Compare with No. 35. Also the relative positions of the urostyle and extension of haunch-bones, when in the not of leaping.

39 A fully-developed Frog, In fore limbs showing four digits and radius and ulna completely fused together, a narrow line indicating the union. In hind limb, five toes and tibia and fibula fused.

40 An old frog with broken leg. The hind legs placed in a position to show the separate bones of the elongated ankle and the "tarsal tubercle," or well-known hint of a sixth toe.

8ABU

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34. " young (photo), 1s. 6d.
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36. Cyclops Quadricornis (photo), 2s.
37. Cyclops Serrulatus, male (photo), 1s. 6d.
38. " female (photo).
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#### As Dick’s Dive in the Duck Pond.—Illustrating Pond Life.

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<table>
<thead>
<tr>
<th>Slides</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Dick Home for the Holidays, quite tired out the first day; falls asleep while looking into the Pond.</td>
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<tr>
<td>2</td>
<td>Dick dreams he becomes very small, and dives into the Pond, and is introduced by a Frog to High Life below Water.</td>
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<tr>
<td>3</td>
<td>Dick’s introduction to Hydras and Water Fleas.</td>
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<td>4</td>
<td>Dick sees Caddis Flies and pays a visit to Colony of Caddis Worms and their queer little houses.</td>
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<tr>
<td>5</td>
<td>The Fighting Community; the Water Boatmen, Water Scorpions, and Ranatra Linearis.</td>
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<tr>
<td>6</td>
<td>Gnats and Gnat Larvae in their various stages.</td>
</tr>
<tr>
<td>7</td>
<td>Dick visits the Water Spiders and their Diving Bell Homes, and observes the wonderful way they supply themselves with air.</td>
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<tr>
<td>8</td>
<td>The Dytiscus Water Beetle and its large yellow brown grub with its formidable jaws.</td>
</tr>
<tr>
<td>9</td>
<td>May Fly Larva and Dragon Fly Larva, and the fully developed May Fly; Grub of Dragon Fly chasing Grub of May Fly.</td>
</tr>
<tr>
<td>10</td>
<td>Dragon Flies, the Larvae; the Fly leaving the pupa case; the perfect Insect with its beautiful face-like wings.</td>
</tr>
<tr>
<td>11</td>
<td>Little Dick and his friend the Frog narrowly escape being eaten by his Father’s Duck when searching for his supper.</td>
</tr>
<tr>
<td>12</td>
<td>Dick at Home again, and having seen so many wonderful and beautiful things, says, “All Thy works praise Thee, O Lord.”</td>
</tr>
</tbody>
</table>

#### At Pond Life.

- **Reading for the Set**, including “Dick’s Dive,” 1s.

<table>
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<td>Dragon Fly, Larva of Daphnia.</td>
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<td>3</td>
<td>Dragon Fly, Daphnia; large.</td>
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<td>4</td>
<td>Dragon Fly, Larva of Dytiscus Beetle.</td>
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<td>Dytiscus Beetle, larva.</td>
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<td>6</td>
<td>Dytiscus Beetle, Leg showing suckers.</td>
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<td>7</td>
<td>Dytiscus Beetle, Spiracle.</td>
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<td>8</td>
<td>Dytiscus Beetle, Trachea.</td>
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<td>9</td>
<td>Dytiscus Beetle, Eye.</td>
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<td>10</td>
<td>Dytiscus Beetle, larva.</td>
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<td>11</td>
<td>Dytiscus Beetle, Legs.</td>
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<td>12</td>
<td>Dytiscus Beetle, Legs.</td>
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<td>13</td>
<td>Dytiscus Beetle, Legs.</td>
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<td>14</td>
<td>Dytiscus Beetle, Legs.</td>
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<td>15</td>
<td>Dytiscus Beetle, Legs.</td>
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<tr>
<td>16</td>
<td>Dytiscus Beetle, Legs.</td>
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<td>May Fly, Larva.</td>
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<td>18</td>
<td>May Fly, Perfect Insect.</td>
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<td>Caddis Worm.</td>
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<td>20</td>
<td>May Fly.</td>
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<td>21</td>
<td>Pearl Fly.</td>
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<td>Water Scorpions.</td>
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<td>Ranatra Biaearis.</td>
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<td>24</td>
<td>Water Boatmen.</td>
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<td>25</td>
<td>Pond Skater, pupa.</td>
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<tr>
<td>26</td>
<td>Perfect Insect.</td>
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<tr>
<td>27</td>
<td>Water Spider.</td>
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<th>Slides</th>
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<td>The Cuckoo Spit.</td>
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<td>The Aphis.</td>
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<td>Ladybird, Larva.</td>
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<td>Full-grown bee.</td>
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<td>Indian Tortoise Beetle.</td>
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<td>English Wood Ant.</td>
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<td>Ant-lion.</td>
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<td>Trachea of Slikworm.</td>
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<td>Tracheal Tone more highly magnified.</td>
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<td>Spiracle of Beetle.</td>
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<td>Gizzard of Cricket.</td>
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<td>The Spider.</td>
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<td>Spinnerets.</td>
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<td>Foot of.</td>
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<td>Eye.</td>
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<td>Head of Crane-fly.</td>
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<td>Proboscis of Blow-fly.</td>
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<td>Saw’s of Saw-fly.</td>
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<td>Touchmon-fy.</td>
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<td>23</td>
<td>Indian Fire-fly.</td>
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<tr>
<td>24</td>
<td>Human Flea, male.</td>
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9 Anatomy of the Blow-fly, Musca vomitaria. The whole insect dissected and parts separated on the one slide.
10 Blow-fly, Female.
11 " Central Tube of Tongue highly magnified.
12 Plant Bug, Tinge cardiui.
13 Plant Bug.
14 Antennae of Cockchafer.
15 Spiral of Fly, Latrenxa.
16 Fruit Fly, Trypetia.
17 Wing of Lacewing Fly.
18 Parasite Fly, Conops quadrifacialis.
19 Window Gnat.
20 Gooseberry Sawfly.
21 Halotes Tuculata, Palate.
22 Laphium Moth.
23 Head of Silkworm Moth.
24 Eggs of House Fly.
25 " Parasite of Ground Hornbill.
26 " Parasite of Reeves’ Pheasant.
27 " Parasite of Goose.

**8CN**

28 Scales of Insects arranged as a Basket of Flowers and Butterflies.
29 Spines of Synaptia.
30 Spine of Acrocladia, T.S.
31 Spines of Star-fish.
32 " Young Echinus.
33 Spine of Echinus, T.S.
34 Sting of Wasp compared with Eye of Smallest Needle.
35 " with Point of "
36 Hydroid Zoophyte with tentacles extended. Obelia flabellata.
37 Bryozoa Malaga.

**BOTANICAL.**

38 Sunflower Stem, T.S.
39 Seed of Nemesia strumosa.
40 Leaf of Drosera rotundifolia, showing captured insect.
41 Maidenhair Fern.
42 Section of Bamboo Cane.
43 " Pepper.

**FORAMINIFERA.**

44 Sea Soundings.
45 " 1,750 fathoms; lat. 52°40', long. 15°38'.
46 " The “Challenger” Expedition, 1,750 fathoms.
47 Foraminifera, Mediterranean, 490 fathoms.
48 " Group.
49 " Group.
50 Alveolina.
51 Dendrolina.
52 Nodosaria.
53 " Arenacous.
54 Nubecularia acifieuga.
55 Orbiculina.
56 Peneroplos.
57 Peneroplia.
58 Puttiniliria menardi.
59 Quinqueoculina.

**Eggs of INSECTS.**

These are very beautiful Slides, price 1s. 6d. each.
60 Group of Various Eggs.
61 Eggs of Moth. POLARISED OBJECTS.
62 Salicene.
63 Citric Acid.
64 Oxalic Acid.
65 Chlorate of Potash.
66 Claw of Wild Cat.
67 Toe of White Mouse.
70 Satin Spa.

**VARIUS.**

71 Normal Lung, x 20.
72 Coal Miner’s Lungs, x 20.
73 Sweep’s Lung, x 30.
74 Yeast Plant, x 1000.
75 Paste Mould, x 70.
76 Cotton Fibre, x 125.
77 Micrococcus Bacilliformes, x 1000 (Bacilla of Acetic Acid).
78 Diamonds, etc., from Canon Diablo Meteorite, x 30.
79 Thames Water at Brentford, x.
80 " Hungerford, x.
81 " Lambeth, x.
82 Kingston, x.
83 Cistern Water, x.
84 Sewer Water.

**ABT LIFE HISTORY OF VARIOUS INSECTS.**

A Series of Lantern Slides photographed direct from the actual objects, and showing on the one slide the perfect insect, male and female, the caterpillar, and the chrysalis. The colouring is copied from the insects themselves, to secure accuracy, and the resulting slides are exquisitely delicate and beautiful.

Plain Slides, 1s. each; Beautifully Painted, best quality, 5s. each.

<table>
<thead>
<tr>
<th>Moths, Male and Female, Pupa and Larva.</th>
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<tbody>
<tr>
<td>1 Eyed Hawk, Sphinx Liberi.</td>
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<tr>
<td>2 Lime Hawk, Smerthus Timile.</td>
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<td>3 Poplar Hawk, Smerthus Populi.</td>
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<td>4 Privet Hawk, Sphinx Ligrus.</td>
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<td>5 Lappet Moth, Bombyx Quercifolia.</td>
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<td>6 Drinker, Odonestris Potatoria.</td>
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<td>7 Oak Egger, Lasiocampa Occlus.</td>
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<td>8 Poplar Grey, Acroecta Megacephala.</td>
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<td>9 Six Spotted Burnet, Anthomera Filipendula.</td>
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<td>10 Magpie or Currant, Abraxus Grossulariasto.</td>
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<td>11 Silkworm, Bombyx Mori.</td>
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<td>12 Buff Tip, Lygoxia Bucephala.</td>
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<td>13 Pea Moth, Cerura Vinula.</td>
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<td>14 Red Underwing, Catocala Sponda.</td>
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<td>15 Tiger Moth, Aricia Caja.</td>
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<td>16 Sycamore Tussock, Conigli Demas.</td>
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<td>17 Goat Moth, Cossus Lignieri.</td>
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<td>18 Gipsy Moth, Porthetia Dispar.</td>
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<td>19 Swallow Tail, Papilio Machaon.</td>
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<td>20 Red Admiral, Vanessa Atalanta.</td>
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<td>21 Small Garden White, Pieris Rapae.</td>
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<tr>
<td>22 Male Cricket, Flying, and in Burrow.</td>
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<tr>
<td>23 Scorpions from Spain.</td>
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<tr>
<td>24 Great Silver Beetle.</td>
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</table>
BEES AND BEE CULTURE.  
The Royal Agricultural Society's Silver Medal awarded 1893.  

Beautifully Painted, 4s. 6d.; Plain Slides, 1s. 3d. each.

This Series has been arranged under the inspection of the British Bee-keepers' Association, and with the courteous and able assistance of T. W. Cowan, Esq., F.G.S., F.L.S., F.R.M.S., etc., and W. Broughton Carr, Esq., Editors of the British Bee Journal.

All the slides (which are very beautiful) are from direct photographs, principally taken at Mr. Broughton Carr's apiary by Mr. T. E. Freshwater, F.R.M.S., except Nos. 34, 35, 36, 37, 42, 43, 45, 46 and 47, which are reproduced from the diagrams published by the Association.

"A perfect educational code of Bee-keeping."—British Bee Journal.

27 Manipulating Frame, hanging position
28 ", bottom upwards
29 Catching the Queen
30 Driving Bees from the Hive into an empty Skep
31 Subdued Bees after driving
32 Driven Bees entering Skep. (Looking for the Queen Bee)
33 Frame of Comb, with Queen Cells
34 Group of Queen Cells, showing the opening at the end, with cover (Queen Cell
35 Development of Larvae, Queen Cell, Section
36 Egg attached to Cell Base
37 Pupa and Larva
38 Uncoiling Comb for Extracting Comb showing Foul Brood
40 Bacillus Alvei (Foul Brood in Bees)
41 " Rods and Spores
42 " Spores
43 Section of Bee
44 " Eye of Bee
45 Heads of Bees
46 Egg and Pupa
47 Legs of Bee showing Comb
48 Various Glands
49 Wax Plates
50 Foot of Bee

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4 Wasps' Nest. In this, four or five of the tiers of Cell Comb have been removed to show cells and grubs in crown of nest
5 The Wasp, whole insect
6 Head and Mouth
7 Antenna
8 Abdomen with sting in situ
9 Sting
10 Compound Eyes
11 Tongue
12 Foot
13 Wings
14 Hornet and Wasp

THE LIFE HISTORY OF A BRITISH MUD-WASP, ODYNENIS SPINIPES.

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1 The Mud-Wasp, O. Spinipes, Back
2 The Mud-Wasp, O. Spinipes, Side
3 The Mud-Wasp, O. Spinipes, Three-quarters
4 General View of a Collection of Burrows, with Tubular Crowns
5 General View of a Collection of Burrows, with Tubular Crowns, after Rainstorm
6 Wasp commencing a Burrow
7 " " Side
8 Section of New Burrow, showing Suspended Eggs and First Caterpillar
9 Section of Burrow, with Store of Caterpillars
10 Section of Burrow, with Store of Caterpillars, Partition half-way down
11 Section of Burrow, showing Wasp Grub Feeding
12 Section of Burrow, showing Wasp Grub Full Feed
13 Section of Burrow, showing Wasp Pupa in Cocoons
14 Wasp Grub, surrounded by Store of Caterpillars
15 Wasp Pupa
16 Wasp bringing Caterpillar to Burrow Entrance, Side
17 Wasp bringing Caterpillar to Burrow Entrance, Three-quarters
18 Wasp Repairing Burrow Entrance
19 Wasp Hanging on Burrow Entrance, Side
20 Wasp Hanging on Burrow Entrance, Back
INJURIOUS INSECTS AND COMMON FARM PESTS.

From Original Drawings by the late Miss G. E. Ormerod, F.E.S. Revised by her sister, Miss E. A. Ormerod, late Consulting Entomologist to the Royal Agricultural Society. Text Book, "Agricultural Entomology," by Miss E. A. Ormerod, 3s. 6d. (Simpkin & Co.) Beautifully Painted, 4s. 6d.; Plain Slides 1s. each.

1 LOCUST. Caloptenus atlanticus Larva, Pupa, and Perfect Insect Flying and Walking
2 FALSE WIREWORMS. Juddia Julus gallonus—Julus terrestres Polydesmus complanatus
3 CLOVER WEEVIL. Apion Agriotes Larva, Pupa, and Perfect Insect
4 GREAT YELLOW UNDERWING MOTHO. Trephyra prunula Larva, Pupa, and Perfect Insect
5 WHEAT-BULBS FLY. Hylemyia coarctata Larva, Pupa, and Insect Specimen of Injured Wheat
6 GOUT FLY. Chlorops campestris Larva, Pupa, Perfect Insect, and Injured Barley Stems
7 WIREWORM AND CHICK BEETLE. Elater (Agriotes) lineatus WIREWORM, ORB OF CHICK BEETLE; Eggs, Pupa, Beetle, and young turnip with fibres of root destroyed by gnawing of wireworms
8 TURNIP SAWFLY. Atlantis spinipennis Caterpillar, Hibernating Caterpillar in cocoon of Silk and earth, Pupa in similar cocoon, Perfect Insect
9 CARROT FLY. Psila rosae Maggot, Pupa, Perfect Insect, and Injured Carrot
10 EARWIG. Forficula Earwig, Female, Forficula auricularia Ditto in young stage, and Forficula forcipata, Male
11 COCKCHAFER. Melolontha vulgaris Larva, Pupa, and Perfect Insect
12 LARGE WHITE BUTTERFLY. Pieris brassicae Caterpillar, Pupa, and Perfect Insect
13 OX WARBLE FLY. Hypoderma bovis First Stage of Maggot, Second Stage, Third Stage, Pupa, and Perfect Fly
14 HORSE BLOW FLY. Gastrophilus equi Male and Female
15 TURNIP FLIES BEETLE. Haltica (Phyllothera nemorum) Maggot, Pupa, and Perfect Insect
16 DADDY LONG LEGS OR CHICK FLY. Tiphia oleracea Larva and Perfect Insect
17 HOP APIS (GREEN FLY). Apis humilis Pupa in early stage, also showing Wing Cases, Male Apis, Female Apis (wingless form)
18 LADY BIRD. Cocinellla septempunctata Larva, Pupa, and Perfect Beetle
19 GARDEN CHAFER. Phyllopertha horticola Flying, walking, and maggots
20 GREEN ROSE CHAFER. Cetonia aurata Pupain Cocoon, Earthen Cocoon, Larva
21 SHOT-HORSE BEETLE. Xylochonus dispar showing workings of the Shot-boring Beeltes Male Beetle and Female Beetle, Plum stems
22 MOLE CRICKET. Gryllolatpis Vulgaris Flying, walking, and Larva
23 POTATO THREPS. Thrps Mantistina Female Potato Thrps, with wings displayed, and Larva
24 THE WOOD WASP. Sirex Olyphas. Male. Medium spread of wings, Larva, Sirex Juvenescus, female, size various
25 COMMON VAPOURER MOTH. Orgyna Antiqua Male Moth, Female, Eggs on Cocoon. Pupa in net-work Cocoon, Caterpillar
26 THE DIAMOND-BACK MOTH. Plutella Crusoeorum Moth with wings extended. Moth at rest. Pupa in net-work Cocoon Caterpillar
27 CORN APIS. Apis (Sphynophora) Granaria. Winged Female, Wingless Female Larva, Empty Shell of Larva from which a Parasite has hatched
28 SCALE INSECTS. Aspidiotus Osteoformis. Oyster Scale (Pear tree) outside and inside view, and Female. Aspidiotus Zonatus type of males of all the Diaspina Mythaspis Pomorum. Mussel Scale (Apple) outside view. Inside view showing the Eggs, Female Scale Insect shrunk after egg-laying Pear Tree Branches showing natural Apple Tree size of scale
29 PLANT BUG. Lopures Umbellatorum Flying, at rest. Pupa of Lygus Solan. Larva, and injured Apple
30 APPLE SWAFLY. Tenthredo (Hoplocampa) Testudinaria Larva, and injured Apple
31 PEAR OR CHERRY TREE SWAFLY OR SLAG WORM Tenthredo Cerisi or Epiconopa Limacina Larva in two stages, Cocoon Larvae.
32 GREEN GARDEN CHAFER. Cetonia aurata Cabbage or Turnip Gall Weevil. Centuryneus Sulciocollis WIREWORM (grub of Click Beetle), Elater Lineatus Onion FLY. Anthomus ceporum Dandy Longlegs. Tiphia oleracea
33 LEPORARY MOTH. Zentora aurea Winter MOTH. Chimatobia Bramata CLOUDED YELLOW BUTTERFLY. Colias Edusa WOOL-GATHERING BEE. Anthidium Mammaticum FOX-COLOURING PINE SWAFLY. Lophyryus Rufus
34 FOXY TIPHP. Thrips Minimistans LETTUCE GREENFLY. Apis Lactacea EARWIG. Forficula Auricularia LESSER ROCKY MOUNTAIN LOCUST. Caloptenus Atlantis
AU

INJURIOUS INSECTS AND COMMON FARM PESTS—Continued.

From "Agricultural Entomology," by Miss E. A. Ormerod.

35 American Blight (Woolly Aphis). Schizoneura lanigera
Infested Apple-Spray. Wingless Vivi-

36 Bean Aphid. Aphis rumicis, Linn.

37 Currant Gall Mite. Phytotopus (species?)

38 Cantharides. Tebrachus talaris
Whole Insect, and Hairs on the Foot

39 Celery and Parsnip Fly. Tephrithis onopordae, 

40 Gooseberry and Currant Sawfly. Nematus 

41 Mangold or Beet Fly. Anthomyia (Chortophila) betae 

42 Onion Fly. 

43 Sawfly Caterpillars destroying Turnip-leaf

44 Turnip Sawfly. Hymenoptera 

45 Bean Beetle. Grub and Pupa, Injured Beans

46 Elm-bark Beetle and Maggot workings in bark

47 Meligethes Beetle. Meligethes aeneus

INSECT MIMICRY.

Photographed from Original Drawings.

1 Butterfly, Callima Machae 

2 Walking Stick Insect, Phasmot Australis

3 Spectre, Spectrum Rossia

4 Spectre, Spectrum Rossia

5 Walking Leaf Insect, Phyllium Stockfilium

6 Manitis Sciolus 

7 Manitis Strumaria

8 Water Measurer, Tiphia Inchohennia

9 Larva of Swallow-Tail Moth, last stage, Ourad 

10 Twig of Currant, the general appearance much 

like that of No. 9

11 Larva of Peppered Moth, Amphiolus Belteraria

12 Brimstone Moth, Rumia Crotagata

13 Emerald Moth, Geometra Papilionaria

14 Spiders, Cnousia mitralis, in profile

15 Epithea prompita, resting on Ichen 

16 Pupa of Indian Mantis, Hymenopus biornis

17 Larva of Buff-tip Moth, Pyra Bupephala

18 Colorado Potato Beetle, Doryphora teniniana

AV

VARIOUS INSECTS BENEFICIAL AND 

DETRIMENTAL TO MAN.

Photographed from Original Drawings.

1 Silkworm and Moths, Bombyx Mori

2 Lady Bird, Cocciella, two punctata, on geranium

3 Gall Fly, Cynips Gallicus Tenebrise

4 Coccus, Coccus Cacti

5 Garden Spider, Epeira Diademata

6 Spider, Aranea Aetelaria

7 Large and Small White Butterfly, Pieris Brassicae

8 Colorado Potato Beetle, Doryphora teniniana

9 Wasp, Vespa Fulvipes

10 Crab Fly, Tipula Oleracea

11 Locust, Gryllus Duze

12 The Teredo. A Mollusc which eats into the 

Submarine Cable
EDUCATIONAL SERIES OF SLIDES—Continued

AX

BRITISH BUTTERFLIES AND MOTHS.

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17 Humming Bird Hawk Moth. Larva and pupa. _Merope glossa Stellatarum et Grottae_. On bed straw.
18 Broad and Narrow Bordered Bee-Hawk Moths. _Hemaris Bombyliformis et Fuciformis_. On honey suckle.
19 Barnett Moths, six and five spot. _Zygoma Fili-
dendula et Lonicera_. On clover.
20 Scarlet and Jersey Tiger Moths. _Callimorph-
aca Domintula et Hera_. On nettle.
21 Garden and Cream Spot Tiger Moths. _Arctia
ta eta Venus_. On blackberry spray.
22 Emperor Moths, male and female. _Saturnia
carpini_. On spray of wild rose.
23 Oak Egger Moths. _Lacocampa Quercus_. On blackberry.
24 Pars Moth. _Cerura Vinula_. On willow.
25 Common Yellow Underwing Moths. _Triphena
doryssia_. On primrose.
26 Crimson Underwing Moth. _Catacalia Spona_. On oak spray.
27 Clifton Nonsparel Moth. _Catacalia Frazina_. On poplar.

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Photographed directly from the real objects. _Plain Slides, 1s. each._

1 Moth of the Vegetable Caterpillar. _Heptia-
lus Ptecsens_.
2 Skin of the Caterpillar of Emperor Moth.
3 Vegetable "Caterpillar" of New Zealand.
4 Caterpillar of Comma Moth.
5 Caterpillar of Pipe Moth.
6 Caterpillar of Ermine Moth.
7 Caterpillar on Eunymus, in Web.
8 Caterpillar, Geometer, representing a Stick.
9 Indian Long Horn Beetle.
10 Great Silver Beetle. _HydropheUus Piceus_.
11 Sailor Beetles.
12 Musk Beetle. _Aromia or Cerambyx Mos-
chatus_.
13 Stag Beetle. _Lucanus Cervus_.
14 Cockroach. _Blatta_.
15 Dragon Fly.
16 " " (Male).
17 " " (Female).
18 Smoked-winged Dragon-flies (Male and Female).
19 Chinese Lantern Fly.
20 Drone Fly on Sunflower.
21 Ant Lion.
22 Garden Snails feeding on Leaf.
23 " " on top of Flower.
24 Large Green Grasshopper.
25 Frog Hopper, Stag Horn. Indian Tea Tree.
26 Aphis on Leaf Stalk.
27 Black Ants.
28 Earwigs.
29 Spiders.
30 Three Scorpions.
31 Scorpion, underside.
32 three-quarters.
33 Water Scorpion.
34 Shrimp.
35 Freshwater Shrimp.
36 Centipede.
37 Star Fish.
38 " 5 Ray and 13 Ray.
39 Dipterus, Water Beetle.
40 Group of Larva of Dipterus Marginals.
41 Water Mantis, _Ranatra Linearis_.
42 Crab.
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2 Railwayman Lighting the Signal during the Storm.
3 Scene on the Platform before the Departure of a Mail Train.
4 A Perilous Scene, Miners Descending to the Rescue of their Companions.
5 Gas Works, Stoking the Retorts of a Great Gas Works.
6 St. Pancras Electrical Station, Interior of Electrical Distribution Station.
7 Inside the Iron Works, Men Working at Molten Iron.

Hämmering out a Steel Bar with a Steam Hammer.
10 Soap-making, Boiling the Soap.
11 Jewish Market in Whitechapel.
12 Covent Garden Vegetable Market, Early Morning Scene.
13 Covent Garden Flower Market, Early Morning Scene, Flower Girls Buying Flowers.
14 Grimsby Pontoons, Interior of Fish Sheds.
16 Cigarette-making Industry, Girls at Work.
17 The Pool of London, A Busy Scene.

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Or, WORK IN ONE OF THE GREAT LONDON GAS WORKS.
Plain Slides, 1s. each.

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1 Discharging Coal.
2 The Coal Store above the Retorts.
3 Section of the Retorts (Charges). Number of Retorts in all, 2,040.
4 Drawing Coke from the Retorts.
5 West’s Charging Machine for filling the Retorts.
6 Discharging Retorts, showing the Co-partner Pusher.
7 The Retorts in Construction.
8 One of the Coke-holes.
9 The Condensers.
10 Exhaust Engine House.
11 The Washers.
12 The Scrubbers.
13 The Purifiers.
14 Purifiers. Underside.
15 One of the Covered Meters, registering the amount of gas made.
16 An Uncovered Meter.
17 Gauge Room.
18 The Governor for Regulating the supply of Gas to be consumed.
19 Gas Works, Stoking the Retorts of a great Gas Works.
20 Coal Store above Retorts.
21 Breeze Screen and Washer.
22 The Coke Yard.
23 A Gasometer.

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From a Series of Direct Negatives recently taken in a large Bermondsey Tan-yard, showing the modern processes of Tanning.
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2 Receiving Raw Goat Skins in Store.
3 Soaking and Lining Goat Skins.
4 Taking Hair off Goat Skins with Sleeker.
5 Washing Hair Wool.
6 Drench House.
7 Soaking and Lining Seal and Calf Skins.
8 Unhauling Seal Skins.
9 Splitting Sheep Skins.
10 Shumac Tanning.
11 Seal Tanning.
12 Paddles for Tanning.
13 Striking Skins after Tanning.
14 Crust Warehouse.
15 Machine Shaving.
16 Brush Machine.
17 Tumbling Skins.
18 Preparing for Dyeing.
19 Pluffing Wheels.
20 Ironing Skins by Electric Irons
21 Preparing Skins for Finishing on Grasshopper Machine.
22 Glazing Machine.
23 Wheel Glazer.
24 Printing Grain in Skins.
25 Finishing.
26 Splitting Skins on Band Knife Machine.
27 Colour Striking Out.
28 Setting Seal Skins.
29 Measuring Machine.

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1 Introductory Slide with Title
2 View of the Works exterior
3 An Engine House interior
4 Ropemaking, "Hacking.
5 " Preparing Hemp
6 " " Spreading
7 " Hand Spinning
8 Ropemaking, Machine Spinning
9 " the Yarn Store
10 " by House Machinery
11 in Ropewalk
12 The Rope Store
13 Twinemaking, Carding Machine
14 Twinemaking, Drawing
15 Spinning
16 " Scouring
17 " Bailing
18 Sash Cord & Log Line Making
19 The Packing Room
20 The Hands leaving work

For Slides on Coal Mining see pages 182-184.
Note.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
### CR HISTORY AND MANUFACTURE OF POTTERY AND PORCELAIN

This series of Lantern Slides is selected, photographed and arranged by **Charles Fergus Binns, Esq., Lecturer on “The Potter's Art,” “Glass, Antique and Artistic,” etc.**

**Beautifully Painted Views, 4s.; Plain Photographs, Is. each.**

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<td>Burlem Salt glazed</td>
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### GLASS AND GLASS MAKING

This series of Lantern Slides is selected, photographed, and arranged by **Charles Fergus Binns, Esq., Lecturer on “The Potter's Art,” “Glass, Antique and Artistic,” etc.**

**Beautifully Painted Views, 4s.; Plain Photographs, Is. each.**

**Descriptive Lecture, 1s., by C. F. Binns, Esq.**

(Thanks and acknowledgments are due to Sir Wollaston Franks, K.C.B.; A. E. Wallis Budge, Esq., M.A.; C. Purdon Clarke, Esq., C.I.E.; F. W. Rudler, Esq.; J. Silvers Williams, Esq.; and to their able and courteous assistants, for a large measure of kindly co-operation.)

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<th>Number</th>
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1 Unloading and Stacking the “Pulp.”
2 Gauty Crane at Work.
3 General View of Store Yard.
4 Taking the “Pulp” into the Mill.
5 The “Potcher” Floor.
6 Putting Pulp into the “Potchers.”
7 The “Beater” Room.
8 Colouring the Pulp in the Beater.
9 Pulp Entering the Machine.
10 The Pulp Passing over the Wire.
11 Paper passing through the First Presser.
12 Paper passing through the Second Presser.
13 Paper passing over the Drying Cylinder.
14 Paper leaving the Drying Cylinder and passing into the Calendar.
15 Paper passing through Calendar on to Reel.

16 The Filter Plant.
17 General View of Machine from Wet End.
18 Dry End.
19 Five-mile Reel just Removed from the Calendar.
20 The “Reeler” used for Measuring and Examining the Roll.
21 Feeding the Reeler.
22 Making Joint after a “Break” has occurred.
23 Trimming the Edges of a Reel.
24 The Cutting Machine.
25 Sorting and Packing into Reams.
26 Packing for Export.
27 Store Shed (Fireing).
28 Paper Stored for Home Supply.
29 The Chemical Laboratory.

N.B.—While the Photographs Nos. 9–15 were being taken the Machine, which is 150 feet long, was winding paper at the rate of 500 feet per minute. The size of the paper is 142 inches wide and 5 miles in length, and the weight of the finished reel is 50 cwt.

**ZQ**

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2 A Stamped Brick from the Ruins of Babylon.
3 An Egyptian Stamp for Impressing Bricks.
4 The Tricker, Thimpan, and Bed of a Hand-printing Press.
5 Fac-simile of part of the first page of the Psalter of 1457.
6 Presswork and Composition (1590).
7 " " (1564).
8 A Medieval Press.
9 Type-casting, as practised in 1564.
10 The Engraver in Wood.
11 The Medieval Illuminator.
12 Bookbinding.
13 The "Scriptorium."
14 Type-casting, as practised in 1683.
16 Portrait of Peter Schaeffer.
17 John Fust.
18 Thorwaldsen’s Statue of John Gutenberg.
19 John Gutenberg, from an old Print in the National Library at Paris.
20 The True Effigies of Laurens Jans Koster.
21 The Print Coloumer.

**AES**

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*From a Series of very fine negatives, showing the process now in use at one of the great steel works.*

*Plain Slides, 2s. each.*

1 General View of a modern Blast Furnace, showing method of feeding the furnace with ore, coke, and limestone, also the heating ovens and tapping shed.
2 Near View of Hot-air Ovens, showing the large gas burners for heating them.
3 Interior of Blast Furnace Shed, showing the tuyeres, and sand laid out ready for a “pour.”
4 Pouring Cast Iron into Travelling Ladle.
5 15-ton Bessemer Converter, showing its position ready to receive a charge of cast iron.
6 Converter in position for Blowing.
7 Bessemer Converter being filled with molten Cast Iron.
8 “Tipping up.” The blow has to be started before the converter is tipped up to prevent the charge running into the blow holes.
9 “Tipping down,” after the completion of the blowing process.
10 Pouring the De-siliconized Steel into the Travelling Ladle. From here it is taken to the open hearth furnaces where the phosphorus is removed.

All the above are strictly copyright.

**Note.**—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
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A fine Series of direct Photographic Slides of The Royal Mint, from Negatives made by Special Permission, showing the various processes of manufacture and testing.

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THE PREPARATION OF THE DIE.
20 Making the Die from the Matrix
21 The Die Turnery
22 Hardening the Die
23 The Finished Die, showing Matrix, Punch and Segmental Collar

STAMPING AND FINISHING.
24 The Coining Press Room
25 Ringer
26 “ Mangle (examining the face of the Finished Coin)
27 “ Automatic Weighing Machines
28 “ Counting Machine

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A Selection of Historically interesting Coins of Britain from about B.C. 150 to A.D. 1847

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Note.—For Slides of Ancient Coins, see Index.
EDUCATIONAL SERIES OF SLIDES—Continued.

AER

THE BUILDING OF SALTASH BRIDGE.

Beautifully Painted, 5s. each; Plain Slides, 1s. each.

1 Shows First Piers Built (Saltash side) and First Arch (locally called tubes) in course of construction on Devon shore of River Tamar. (Copy of an old print, 1837-8.)
2 Shows First Arch in Place and Second Arch being Lifted into Position. This was done by means of the tide at the rate of 6 feet per week, the pier (masonry) at shore end being built up at each lift. View looks towards Saltash (Cornish side). (Copy of an old print, 1837-8.)
3 View of Bridge, taken from Saltash (Cornish side), showing Devon bank of River Tamar. See also Main Line of L. and S.W. Railway to London, which passes under Devon end of Bridge.
4 Full-length View of Bridge, looking up the River Tamar. Industrial Training Ship (Mount Edgcumbe) above bridge. Two men-of-war below bridge.

CU

STEAM ENGINES, MOTORS, ETC.

Plain Slides, 1s. each.

1 Hero’s Engine
2 James Watt’s first experiment
3 James Watt inventing the Steam Engine
4 Watt’s Engine with Sun and Planet gear (photographed direct from one of the last engines made by Watt)
5 Trevethick’s Model
6 B. E. Engine
7 Murdoch’s Model Engine
8 Stephenson’s Rocket Engine
9 Puffing Billy
10 Midland Railway Engine, 1896
11 “_” “Train, 1896
12 Triple-expansion Engines of an Ironclad
13 Serpollet’s Motor Car
14 Roots and Venables’ Oil Motor, kerosene, not spirit or henzolene
15 Propeller Steam Vehicles, four-wheeled Waggonette, Luggage and three-wheeled Victoria
16 Train leaving Euston Station
17 L. N. W. Railway Express Train
18 M. R. Train entering S. Panoras Station
19 Steam Motor Car, 4½ horse-power. Front view showing Condenser
20 Steam Motor Car, 4½ horse-power. Side view showing steering, water tank, &c.
21 Steam Motor Car, 4½ horse-power. Corner view showing works
22 The Albome Ivel Agricultural Motor
23 The Albome Ivel Agricultural Motor hauling a mowing machine
24 The Albome Ivel Agricultural Motor working a reaper and binder
25 The Albome Ivel Agricultural Motor drawing a double furrow plough
26 Lord Roberts on a Motor Car at Aldershot
27 Mr. Cecil Edge (consin of Mr. S. D. Edge) on a sixteen horse-power Napier Motor Car
28 The First Locomotive passing Great Grimsby Church, on the Manchester, Sheffield, and Lincolnshire Railway
29 Blunkinopo’s Leeds Locomotive, as constructed for Chas. Brandling, Esq., Middleton. The first commercially successful Engine used on any Railway. Four of the Engines were made by Fenton, Murray and Co. of Leeds
30 Church’s Patent, 1st July, 1835. London and Birmingham Steam Carriage Co.
31 The Progress of the Wheel. The Ousting of the Horse from London Thoroughfares.
32 Steam Carriage. The First Motor Omnibus in London. 1833
33 Hancock’s Steam Omnibus, which ran on the common Roads.
34 The new 4-Cylinder Engine, on a Permanent Way Improved for Safety (Germany).
35 A 10 h.p. Panhard Motor Car.
36 A Motor Car on the Road (4-seater).
37 Gordon-Bennet Race, 1904. The Finish.
38 Cugnot’s Steam Car, 1770.
39 William Church’s Steam Carriage, 1832.
40 The King’s Coach in the 20th Century.
41 Hancock’s Steam Coach. The “Era” Arriving, at Greenwich, 1833.
42 Mr. Galsworthy Gurney’s Steam Carriage, 1833.
43 The Squire and Maceborne Steam Coach on the Harrow Road, 1833.
44 The Touring Car in 1860, Rickett’s Steam Carriage for common Roads.

Note.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.

TRADE MARK.
EDUCATIONAL SERIES OF SLIDES—Continued.

WORK IN A LONDON BREWERY.

From Direct Negatives.

Beautifully Painted, 5s. Plain Slides, 1s. each.

1. The Tumblers used for washing the Casks.
2. The Mash Tuns.
3. One of the Stout Cellars.
5. The Refrigerator.
6. Fermenting Vessel.
7. " " " (Interior).
8. The Hop Floor.
10. Coppers for Brewing Porter and Stout.
12. Steaming and Cleaning Casks.
13. The Stable Yard.
15. Mash Tuns (Interiors), showing the Rakes.
16. The Liquor Pack (capacity 661 hectaritres).
17. One of the Ale Cellars.
18. Cask Elevators.
19. Malt Cases.

ABN THE MOUNT OPHIR WINERY, AUSTRALIA.

ONE OF BURGOYNE’S AUSTRALIAN VINEYARDS.

From a New Series of Negatives by permission of Messrs. P. B. Burgoyne & Co.

Beautifully Painted, 5s.; Plain Slides, 1s. each.

2. A View of the Mt. Ophir Winery, Australia, the largest in the Southern Hemisphere and the property of Messrs. P. B. Burgoyne & Co.
3. A View of the great Central Winery of Mt. Ophir, Vines in foreground.
5. Trellised Vines on a Burgoyne’s Model Vineyard in Victoria.
8. A "Crushing" Floor at Mt. Ophir. The "Must" Pump distributes the liquid to the Fermenting Tanks.
10. "Must" being pumped from the Crusher into the Fermenting Tank.
11. Section of Fermenting House at Mt. Ophir Winery, showing silver-plated cooling coils and the energetic fermentation.
13. A Fermenting House at Mt. Ophir. Each of the numerous tanks will ferment 2,000 gallons of grape-juice.
14. Storage Vats of 3,000 gallons at the Mt. Ophir Winery.
15. Maturing Casks of 1,200 gallons at the Mt. Ophir Winery.

SUGAR INDUSTRY.

Beautifully Painted Figures, 8s. 6d.

South America.
1. Pernambuco. Bullock Sugar Carts outside store
2. Sugar Mills, Cane Crushers
3. Sugar Mill, showing machinery

Hawaiian Islands.
4. Lihue, A Sugar Village
5. The Sugar Process. Ploughing
6. " " " Cutting the Cane
7. " " " Putting Cane in the flume
8. " " " The flume on the way to mill
9. " " " End of the flume
10. " " " Cane entering the mill
11. " " " Crushing
12. " " " Boiling
13. " " " Drying
14. " " " Weighing

West Indies.
15. Brono Intente Estate. Mill
16. " " " Mill interior. Cane brought in
17. " " " Carrying Cane in Cane in Waggons
18. " " " Cutting the Cane
19. " " "
20. Canada. Gathering Maple Sap

Views, 5s. Plain Slides, 1s. each.

21. Meerut, India Sugar Crushing

Fiji Islands.
22. Lautoka, The Wharf
23. " " " " Rakaia" (of the N.Z. Shipping Co.)
24. A field of Sugar-cane belonging to the "Colonial Sugar Co."
25. " " " In the sugar fields
26. " " " Women working
27. " " " Showing cart
28. Suva, Outrigger Canoe
29. A Dried-up Stream, the banks overgrown with Sugar-cane
30. A Cookie woman planting Sugar-cane, with a European Overseer superintending
31. Cookie women at work in the Sugar Fields. All the labour is by barefooted men, women, and children imported from India. The native Fijians are too few and too lazy
32. Cookie Women
THE GROWTH, STRUCTURE, DEFECTS AND CONVERSION OF TIMBER.

A Series of Lantern Slides taken from Actual Specimens of Wood, selected and prepared by Mr. Harold Busbridge, A.R.I.B.A., A.R.C.S., Chief Lecturer in Building Trade Subjects at the Goldsmiths' Institute, and at the L.C.C. Paddington Technical Institute.

Nos. 25 to 29 are taken from specimens in the Natural History Museum, South Kensington, by kind permission of the Curator.

Plain Slides, Is. 3d. each

A scale of inches is photographed with each specimen, so that its approximate dimensions can at once be ascertained from the picture on the screen.

In addition to the common name of each specimen, the correct botanical name of the species is placed in the photograph, so as to be easily read when thrown upon the screen.

The Growth and Structure of Stems.

1 Endogenous Stems, showing nodes in elevation and section
2 Stem of Eucalyptus (Eucalyptus) showing nodes
3 Trunk of Eucalyptus (Mulberry) showing hurr
4 Cross section of Oak log showing annual rings, bark, heart and sapwood, and medullary rays
5 Cross section of Pitch Pine showing pith and annual rings
6 Cross section of Coons-wood, showing heartwood and sapwood
7 Various woods (radial sections) showing heart and sapwood
8 Radial sections of Elder and Chestnut, showing pith
9 Cross section of Yellow Deal, showing node (five knots)

The Defects of Timber.

10 Two specimens showing warping due to twisted grain
11 Yellow Deal, showing cup-shakes
12 Honduras Mahogany, showing upset
13 Yellow Pine, showing loose knot
14 English Apple Tree showing druzzy knot
15 Beech, showing druzzy knot and destiness
16 Beech, showing destruction caused by worms

17 Willow (four specimens from same tree) showing foxiness and the progress of decay
18 Cedar, showing ring-gall
19 Fir timber destroyed by dry rot (two specimens)
20 Fir timber covered with dry rot fungus
21 Fir timber destroyed by wet rot
22 Ash, showing heart shake
23 Ash, showing decayed heart and starshakes
24 Ash, showing ravages of durcus parallel episodula
25 Pine, showing ravages of sirix jucuens
26 Larch, showing ravages of wood wasps (arielleis)
27 Wood, showing ravages of white ants (termiteis)
28 Elm, showing ravages of "chaspa-worms" (tordedo)
29 Elm, showing starshakes and inbark

The Causes of Figure in Ornamental Woods.

30 Four specimens showing figure produced by annual rings
31 Three specimens showing figure produced by medullary rays
32 Two specimens showing figure produced by knots or eyes
33 Three specimens showing figure produced by wavy grain
34 Three specimens showing figure produced by wavy grain
35 English cherry seasoned in the log with bark on
36 English Cherry season in the log with bark stripped
37 English Cherry seasoned in square blank
38 English Cherry seasoned in half-logs
39 English Cherry seasoned in quarters
40 English Cherry seasoned in planks each side of centre
41 English Cherry seasoned in plank containing the centre
42 English Cherry seasoned in planks cut radially

The Conversion and Shrinkage of Timber (cross sections).

43 English cherry seasoned in the log with bark on
44 White Deal showing typical grouping of knots
45 Larch, showing typical grouping of knots
46 Differences in Yellow Deal caused by climate, soil, etc.
47 Three samples of various American Pines
48 Oak, Horse Chestnut and Sweet Chestnut, showing differences in grain
49 Cuba, Spanish and Honduras Mahogany, showing differences in grain
50 White and Honduras Mahogany, showing differences in colour
51 American Yellow Pine, showing dark hair marks
52 White Deal showing rain cavities

Note.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
Educational Series of Slides—Continued.

Wood Carving.

Plain Photographs, 1s. each.

Photographs taken under the direction of Mr. W. H. Howard, at King's College Wood Carving School, and from examples kindly lent by the late Prof. Banister Fletcher, I.P.D.L., F.R.I.B.A.

Examples in the School at King's College, or carved by the Students under the supervision of the Instructors.

1 Interior of carvings studio at King's College
2 Three Elementary examples, showing successive stages of development
3 Picture or Mirror Frames
4 Nine Examples of Renaissance ornament
5 Sixteen Examples, various—e.g., a, decorative treatment of the Virginia Creeper; b, ditto, Vine; c, ditto, Blackberry; d, ditto, Oak; e, diaper arrangement of Thorn and Maple foliage; f, a pair of bellows decorated with conventional ornament; g, an Oak Salver carved with a conventional arrangement of the wild Strawberry; h, a, two walnut pilasters Capitals carved in the style of the Modern Italian Renaissance
6 Three oak panels for sideboard carved with a Corinthian adaptation of the Lily
7 Three Examples of Gothic cresting; and two examples Gothic cornice or frieze decoration
8 Two examples of Gothic perforated trellary
9 Renaissance panel—Ivy and Willow; b, Gothic treatment of the Tiger Lily; c, Renaissance panel—a foliated Dragon
10 English Renaissance panel, 15th century; b, English Renaissance panel, 16th century; c, Perforated panel, naturalistic foliage
11 Ten tray carved in the style known as "Cavo relievo," that is, with the outline of the ornament merely incised and the surface carved within the lines, leaving the ground untouched
12 A Table top carved in low relief
13 Three Friezes—a, Greek; b, Renaissance of a Greek character; c, Italian Renaissance
14 Three Italian Renaissance pilasters
15 Italian Renaissance Frieze with birds in centre
16 Walnut Tables with top and shelf carved in low relief
17 Ditto
18 Two Examples in high relief, unfinished specimens
19 Overdoor after the style of the 15th century—English Renaissance
20 Two Statuettes—French work, 16th century
21 Portrait Frame ("Chin" Carving), and 2 Salvers; e, conventionalized Bramble, f, Renaissance ornament
22 Two Book Covers, carved in "Cavo Relieve"
23 Four specimens 16th century French carving; a and b, Style of Louis XIV; c and d, " XVII

Examples from the collection of the late Professor Banister Fletcher.

24 A King Charles the Second's Chair
25 One example in this case has an unusual treatment of domestic implements; in one other example grotesque treatment of Birds and Fish, and in the other the wood is treated as a Caryatides supporting an Ionic Cap.
26 Cases show various pieces of Old Carving
27 Ditto
28 Case contains several pieces of delicate carving, the middle piece on right hand side being grotesque
29 Case contains three forms of Corinthian Capitals, the remaining four pieces being Grecian ornament
30 Piece of Moulding in which the Greek Acanthus leaf
31 A pretty illustration of the Ionic Cap, combined with the Acanthus leaf
32 Shows two varieties of Caps, the upper one utilizing the Acanthus leaf, the lower one the egg and tongue as a surmounting moulding
33 Are Modern Brackets carved in soft wood—French Renaissance
34 A Boy surprised by the singing of the bird
35 A Panel which obtained the first prize in 1893 competition at the Carver's Technical Classes
36 Shows a bold use of ornament to the style of a door, the diaper pattern filling the triangular space, emphasizing the treatment
37 Shows a piece of ornament from the back of an old chair, the subject is scriptural and self-explanatory
38 A Panel of German treatment, the scroll work is extremely happy—the subject is the Son leaving the parental Castle to go to the Wars
39 A curious treatment of Angels, Griffins and Eagle, in the centre is a nude woman pouring libations from a vase. This woodcarving is slightly injured by the decay of the wood
40 A pair of Wine Bottle holders designed by the Professor. The carving is by Mr. Lonnie
41 A Tripod to hold a lamp and Bust made of three antique pieces of carving
42 A framed Panel of Grapes and Bird, the work of a French carver
43 A fine Carving of Boys with Glove—the group illustrating Astronomy
44 A delicate specimen of Wood Carving. The subject is an Italian Beggar. One peculiarity of this carving is that the back is not carved nor even painted but appears to have been fastened to some other workwood
45 A delicately carved Byzantine Cross on both sides and ends with Scriptural Subjects in Panels
46 Ditto (reverse side)

Examples in the possession of R. A. Brangan, Esq.

47 Six Old English Renaissance Friezes
48 a, Two small panels; b, small table top in low relief, adapted Elizabethan; c, Byzantine Frieze
49 Byzantine Mirror Frame and small Portrait Frame, decorative treatment of "forget-me-not"
50 Lion's Head and Frestoons of Fruit in high relief. Lion's Head in the round. Right and left sides of pediment, 17th century—Gibbon's School. Conventional Lion's Head in high relief. Circular Panel after "Adams." Antique Panel; figare subject
51 a, Old English Cabinet Panel; b, two Pilaster Enrichments in high relief, human heads with hanging fruit, Modern English
52 a, Old English Frieze; b, portion of Frieze, Modern Italian Renaissance; c, Lion and Lioness crouching—carved in the round
53 Two Antique Panels—boar hunt and stag hunt
54 Five Panels after Talbert, carved in box-wood in very low relief for decoration of Mantle-piece—Modern English work
55 Large Oak Bracket—a specimen of very bold carving. Style, Victorian Gothic
56 Two Oak Caryatides for Hall Mantel—Modern. English work
57 Cromwellian Gun-cabinet
58 Carved Panel (Flemish Renaissance). Carved by Mr. James Osmond
59 a, b, 3 Espandrils (Italian Renaissance), b, b, 2 Panels for Pediment (Italian Renaissance) Carved by Mr. James Osmond
60 a, Oak Frieze for overdoor, Italian Renaissance. Carved by Mr. S. Wallis; b, Mahogany Panel style Louis XVI. Carved by Mr. R. Barnes
61 Drop of Flowers, carved in very high relief from Grinling Gibbons, by Mr. R. S. Barnes
EDUCATIONAL SERIES OF SLIDES—Continued.

WOOD CARVING.—Continued.


62 View of the Organ-case
63 Lower portion of same. Larger scale
64 Clergy-stalls, looking towards Dome
65 Ditto, larger scale. Bishop's Throne in foreground
66 Pulpit, with sounding-board and Organ-case
67 Clergy-stalls, Dean's seat
68 Choir-stalls and Organ, looking towards Dome
69 Screen in Chancel, with back entrance to Clergy-stalls
70 View of Clergy-stalls and Reredos, looking Eastward from beneath Dome

C V

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1 Robert Burns in his cottage composing "The Cotter's Saturday Night"
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4 Michael Angelo Buonarotti
5 The Gardner's Daughter
6 Judith with the head of Holofernes
7 The Martyrdom of S. Sebastian
8 J. C. BENTLEY
9 SUMMER

BERGERET
10 The Death of Raphael
11 W. BERGMANN
12 The Virgin, Infant Jesus, and S. John
13 A. BLANCHARD
14 Rosa Bonheur
15 Les Bons Freres Bretons
16 Britanny Sheep
17 J. M. BROMLY
18 The Foster-mother
19 T. BROOKS
20 Shakespeare's Courtship
21 The Departure (Launching the Lifeboat)
22 "Swiftness on the shore a hardy few
23 The lifeboat man with a hardy crew,
24 And dare the dangerous wave."
25 H. BUCKWORTH
26 Low Life
27 High Life

LADY BUTLER.
19 After the Battle (Tel-el-Kebir)
20 "Floreat Etona" (Battle of Leing's Neck)

CAMPOBIANCO.
21 Portraits of Alberico Thwalsen
22 The Clemency of Scipio

ANNIBALE CARRACCI.
23 Portrait of Annibale Carracci
24 Christ appearing to S. Peter

LODOVICO CARRACCI.
25 Portrait of Lodovico Carracci
26 S. CATERINELLA
27 A Barcarol Hall in the olden times

SIR A. CLAY.
27 The Court of Criminal Appeal
28 J. CONSTABLE
29 Straford-on-Avon
30 The Cornfield
31 The Valley Farm
32 A. COOPER
33 Fighting for the Standard at Marston Moor
34 Battle of Bosworth
35 Battle of Aislight

C. W. Cope.
34 Death of the Princess Elizabeth
35 The Departure of the Pilgrim Fathers from Delft Haven, July, 1620

T. S. COPLEY.
36 Siege of Gibraltar
37 Death of the Earl of Chatham
38 Abraham offering up his son
39 Hagar and Ishmael in the Wilderness

R. CORBULD.
40 Happy as a Queen
41 May Morning

CORREGGIO.
42 The Madonna of S. Sebastian
43 Ecce Homo
44 The Holy Night

JOSHUA CRISTALL.
45 Early Dawn

DE LA CROCE.
46 Portrait of W. A. Mozart

E. DEGG.
47 Madonna and Child

S. P. DENNINGS.
48 Portrait of John Burnet

L. W. DESANGES.
49 Egypt 1869. (Wolesey and Staff at Pyramids)

ELIZABETH DICKE.
50 The Symbol. "Is it nothing to you all ye that pass by?"

W. C. T. DOBSON.
51 The Child Christ in the Temple
52 The Good Shepherd
53 Nazareth
54 S. John leading the Virgin

W. C. T. DOBSON.
55 The Plough—"Train up a child in the way he should go"

ALMA.
56 The Drinking Fountain
57 The Holy Innocents

G. DOUG.
59 La Madonna delle Stelle
60 The Redeemer

DOMENICHINO.
(See Zamperini)
61 Portrait of Domenichino

DOMENIQUE.
62 The Choir

ERWIN DOUGLAS.
63 The Highland Heath

JERSEY (Cattle)
64 A Jersey Family
65 Sark
66 Herm
68 Alderney
FAMOUS ARTISTS AND THEIR WORK—Continued.

9 Portrait of Gerard Douw
8 DRUMMOND.
70 · Windsor Castle Packet" of 168 towns and 26 men, commanded by Capt. Rogers
EDOUARD DEFIURE.
71 Return of the Prodigal Son
72 Portrait of Rosa Bonheur
A. DURER.
73 The Crucifixion. "It is finished"
T. DRYMANS.
74 The Blind Beggar
C. L. EASTLAKE.
75 Christ Weeping over Jerusalem
76 Pilgrims in sight of Rome
R. EMONDSTONE.
77 Robert Burns and his Highland Mary
PIETRO ERMINI.
78 Torquato Tasso
J. F. FRED.
79 Milton in his Study
80 Shakespeare in his Study
T. FRED.
81 Music hath charms
82 Worn Out
83 The Reaper
84 Highland Mary
85 A Flower from Paddy's Land
86 Happy as the day is long
87 New wars to an old soldier
88 The Keeper's Home
89 The Last of the Clan
90 After Work
91 Sunday in the Backwoods of Canada
92 The first break in the family
93 The Milkless Bairn
94 Coming events cast their shadows before them
MOREL LATI.
95 Burning the "Ocean Monarch" Ensign Ship, Aug. 24th, 1848
ANSELM FEUERBACH.
96 Dante, in exile at the court of Ravenna, followed by his daughter and noble ladies of the court, receives the laurel for his finished "Divine Comedy"
J. A. FITZGERALD.
97 Uncle Tom
THALES FILLING.
98 The Death of Robin Hood
99 But give me my best bow in my hand, and a broad arrow I'll let fly, and where the arrow is taken up, there shall my grave digg'd be
HIPPOLYTE FLAUDIN.
99 Dante's Inferno. "The envious struck with blindness"
ALEXANDER FRASER.
100 A Highland Cottage
101 Robinson Crusoe reading the Bible to his man Friday
FREE.
102 The Widow
103 The Child's Prayer
104 The Orphans
105 W. P. FULTON.
106 The marriage of T.R.H. the Prince and Princess of Wales
107 The Railway Station
108 Angelus Cusson
109 Sir T. Gainsborough
108 The Duchess of Devonshire
GERICAULT.
109 The Raft. Ship in sight
MARGARET GILLES.
110 Hope and Faith
F. GOODALL.
111 The Mother of our Lord
112 The Palm Offering. "She goeth forth unto the grave to weep"
113 An Eastern School
114 The Soldier's Dream
115 The Angel's Whisper
116 P. GEFFREY.
117 Phædre and Hippolyte
T. S. GULLO.
118 Land! Land! Land! Columbus 1492
HARRISON.
119 Musicians Mozart, Beethoven, &c.
120 CH. HANCOCK.
119 Robert Burns. "And stoop, with his hand on the plough and his heart with the muse."
S. HART.
120 Interior of Jewish Synagogue, Reading the Law
121 Sir G. HARRY.
121 The Baptism of the Covenanters
122 The Battle of Drumolog
123 W. M. HAY.
124 Faith
SIR G. HAYTER.
125 The Coronation of H.M. Queen Victoria
126 The Marriage of Queen Victoria
126 Dawn revealing the New World to Columbus
127 Latimer preaching at St. Paul's Cross
128 F. HAYES.
129 Rassi taking farewell of his family
T. M. HENRY.
129 Burning the "Kent" East India
130 The wreck of H.M.S. "Burke's head"
HERBERT.
131 Sir Thomas More and his Daughter in the Tower
132 Three horses' heads
133 The frugal meal
H. VON HOEFFMANN.
134 Christ in Gethsemane
135 W. HOGARTH.
135 Portrait of Hogarth
136 The March to Finchley
137 The Enraged Musician
HOLBEIN.
138 Madonna of the Burgomaster
139 Portrait of Hans Holbein
140 F. HOLL.
140 General Lord Wolseley, K.C.B.
141 J. C. HORSLEY.
142 II PENNERO.
142 Milton dictating Samson Agonies
143 H. HOWARD.
143 The Pride of the Village
144 Sunset
HOLMAN HUNT.
145 The Serapeum
146 T. S. GULLO.
145 The Light of the World
147 J. JACOBS.
147 A Morning on the Nile
148 A Seaport
JENKINS.
149 The Christening
150 The Marriage
J. LE JUNE.
151 The Spirit's Flight
152 The Lord's Prayer
153 "The Noble Army of Martyrs praise Thee"
154 "The Glorious Company of the Apostles praise Thee"
155 "To Thee all Angels cry aloud"
156 The Fiery Furnace
157 Liberation of the Slaves
158 The Crown of Glory
A. JOHANNES.
159 Cromwell
JUGGERNS.
160 The Adrian Popes taking leave of Rubens on his return to Italy
R. S. LANDER.
163 The Glee Maiden
CHARLES LANGFORD.
163 Prayer
164 Charles I. on the eve of the Battle of Edgehill
SIR E. LANDSEER.
165 The Monarch of the Glen
166 The Challenge
167 The Sanctuary
168 Shoewing the Bay Mare
169 Alexander and Diogenes
170 King Charles's Spaniels
171 Genes
172 Peace
173 War
174 The Queen Hunting in Windsor Forest
175 Uncle Tom and his Wife for sale
176 The Shepherd's Chief Mourner
177 Suspense
178 Jack in Office
179 The Hawk Trainer
179 Odin
181 The Highland Whisky Still
182 The death of a stag in Glen Tilt, with portraits of His Grace John, 4th Duke of Atholl, of the Hon. George Murray, and of the celebrated foresters, John Cresser, Macintyre, and Charles Cresser
183 The Sick Monkey
184 A Piper and Pair of Nut crackers
185 The Lost Sheep
186 An event in the forest
187 Wild Cattle at Chillingham
188 Red Deer at Chillingham
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180 Midsummer’s Night’s Dream
190 The Combat
191 Braemar
200 The Maid and the Magpie
193 Saved
194 Return from hawking
195 The Hawking Party
196 Islayas, Moscow, Love Birds, &c.
214 J. Van Leurich.
210 Cinderella
210 C. R. Leslie.
202 May Day
203 Sancho Panza and the Duchess
204 The Godalmorning the Holy Sacrament at her Coronation
205 Sir Roger de Coverley going to Church
206 The Sentry Box

LENCUR.
207 S. Veronika and Simon the Cyrenian
208 The Blacksmith’s Forge
210 J. Linnell.
209 Harvest
210 Spring

J. Lucas.
211 Gathering Ferns
210 Lightensbergs.
206 The Welding Morn
211 D. Macle.
213 Noah’s Sacrifice
214 Malvolio and the Countess
215 The Play Scene from Hamlet
216 Caxton’s Printing Press
217 Snap Apple Night.

218 Childhood
219 Marcus Curtius leaping into the gulf
220 Satan in Connell
219 Pandemonium
222 The Destroying Angel
222 P. Le Mercier.

223 Piety
224 H. Merle.
224 The Christian Maiden

225 Sir J. E. Mills.
223 The Black Brunswicker
226 The Huguenots
227 Good Morning
228 Good Night
229 The Order of Release
230 Ophelia
231 Romona
232 Cinderella
232 The Wait
234 The Minuet
235 The Proscribed Royalist
230 P. R. Morris.

236 “Whereon they crucified Him”

H. Mücke.
237 S. Catherine

238 CARL MULLER.
238 The Holy Night
238 The Madonna of the Grotto
240 The Madonna and Child
240 W. Mulready.
241 The Wolf and the Lamb

MURILLO.
242 Portrait of Murillo
243 Madonna
244 La Vierge Belvedere
245 La Vierge au Mirror
246 The Holy Family
247 The Good Shepherd

NAZARE.
248 Aloysius Moenichius Venetiunnum Dux Oxii
249 G. S. Newton.
G. S. Newton.
249 The Vicar of Wakefield

NB. NOCC.,
250 Assumption of the Virgin Mary
H. O’Neil.
251 Eastward Ho!
252 Westward Ho!

W. W. QIIES.
253 General Lord Roberts, V.C.

G. C.B.
REV. W. Peters.
254 An Angel carrying the Spirit of a Child to Paradise. “Of such is the Kingdom of God”

255 MOSES STRIKING THE ROCK
256 THE HOLY TRINITY
257 Portrait of N. Poussin

SAM PROCT.
258 Venice
259 Mark Antony
260 Portrait of Raphael
261 Madonna di San Sisto
262 La Madonna del Baldacchino
263 The Virgin of the Redemption
264 Vierge à la Chaise
265 Vierge au Legende
266 Via Dolorosa
267 S. Cecilia

(Also cartoons)

268 Portrait of Rembrandt
269 Descent from the Cross

G. Reni.
270 The Crucifixion

SIR J. REYNOLDS.
271 The Nativity
272 Samuel Prying
273 Angels’ Heads
274 Portrait of Anne, Viscountess of Townsend
275 Portrait of Elizabeth, Duchess of Devonshire

H. Richter.
276 The Village School.
PAUL DE LA ROOHE.
277 S. Cecilia
278 The Return from Golgotha
279 The Virgin Fainting
280 The Virgin in contemplation
281 Good Friday

G. ROMNEY.
282 Lady Hamilton when young

S. ROSA.
283 Jacob’s Dream

C. Ruben.
284 The Vesper Bell

285 Portrait of Rubens
286 Portrait of Rubens with his wife and child
287 The Draught of Fishes
288 The Crucifixion
289 Elizabeth, Queen of Spain

J. Sant.
290 The Soul’s Awakening
291 The Child Timothy
292 Madonna[Twelve
293 Shakespeare at the age of
294 “Turn again, Whittington!”
295 An Easter Offering

A. SIEFFER.
296 “Christian Remnnerator”
297 “O Jerusalem, Jerusalem”
298 Dame and Beatrice

JAMES STORYMORE.
299 Robert Burns in the storm of 1793, as described by Dr. Currie.

G. SMITH.
300 A Christian Martyr

301 Light and Darkness

STACKPOOL.
302 Sunday Afternoon

303 Cottage Bedside at Osborne

304 Margaret

MARCUS STONE.
305 Wash discharging the Condensation of Steam

T. STOTHARD.
306 John Gilpin

D. TEMNES.
307 The Temptations of St. Anthony
308 View of Flanders

309 The Green Hat

J. J. TISIY.
310 The News of our Marriage

TITIAN.
311 Portrait of Titian
312 Christ Crowned with Thorns
313 Christ carried to the Tomb
314 Christ Triumphant
315 The Martyrdom of St. Peter (a Dominican)

STEPHANO TOPAZAN.
315 Madonna and Child
316 Portrait of Dante Alighieri
318 Portrait of Francesco Petrucci

C. J. Tomkins.
319 Lead, kindly Light

J. W. TERNER.
320 A Shipwreck with boats endeavouring to save the crew
321 The Fighting “Temeraire”
322 The Temple of Jupiter in the island of Egyina
323 The Straits of Dover
324 Fishing Boats off Calais
325 The Approach to Venice
326 S. Mark’s, Venice
327 Heidelberg
328 Tivoli
329 Caligula’s Bridge
330 Nelson’s Ship “The Victory”
331 Ancient Carbage. The Embarkation of Regulus

F. C. TURNER.
332 The Traveller’s Friend, Barri, the celebrated S. Bernard dog (saved 15 lives)
VANDYKE.
368 Portrait of Vandyke
384 Christ Crowned with Thorns
335 Portrait of Charles I.
326 S. Martin and the Beggar
337 The Marriage of S. Catherine
338 Portrait of Savartius
39 The Lady Digby

VAN MUYREN.
340 Refectoarium

VELASQUEZ.
341 Portrait of Velasquez
342 Coronation of the Virgin
343 The Whinstone (from the Gallery at Madrid)

LEONARDO DA VINCI.
344 Portrait of Leonardo da Vinci
1443-1506
345 The Last Supper
346 Bas-Relief of the Virgin

WARH.
347 The South Sea Bubble
348 The Fall of Clarendon
349 Dr. Johnson at Lord Chesterfield's
350 James II. Receiving News of the Landing of the Prince of Orange

WEBSTER.
361 A Dame's School
362 Cottage Party
"But oh, Thou bounteous
Giver of all good,
Thou art of all Thy gifts
Thyself the crown;
Give what Thou canst, without Thee we are poor,
And with Thee rich, take what Thou will away."
E. H. WILHELM.
353 Flight of Spirits dark and fair
354 The Prisoner of Gisors

B. WEST.
355 Our Saviour healing the sick in the Temple
356 Alfred dividing his loaves with the Pilgrims
357 Bayard
358 Death of Nelson

J. A. M. WHISTLER.
359 Thomas Carlyle

SIR DAVID WILKIE.
360 Chelsea Pensioners reading the Gazette of the Battle of Waterloo
361 Greenwich Pensioners
362 The Maid of Saragossa
363 John Knox Preaching

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THOS. GAINSBOROUGH.
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7 His Own Portrait
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9 " "
10 " "
11 " "
12 " "
13 " "
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21 The inside of a Stable
H. R. MORELAND.
22 The Laundry Maid
W. MURRAY.
23 The last in
SIR JOSHUA REYNOLDS.
24 The Infant Samuel kneeling at Prayer
25 Hope of Angels
26 Portrait of himself
27 Dr. Samuel Johnson
G. ROMNEY.
28 Study of Lady Hamilton as a Bacchante
29 The Parson's Daughter, a portrait

JOHN CHRISTIAN SCHETKY.
30 H.M.S. "Royal George," off 100 guns, sinking at Spithead, 29th August, 1792.
J. W. TURNER.
31 Ulysses deriding Polyphemus
SIR D. WILKIE.
32 The Blind Fiddler
33 The Village Festival

FOREIGN SCHOOLS.
School of Tuscany.
34 Portrait of Girolamo Savonarola
CARLO DOLCI.
35 Virgin and Child
Alessandro Filipepi
36 The Nativity of the Saviour
(Sandro Botticelli)
37 The Madonna and Child
Ridolfo del Ghirlandaio.
38 The Procession to Calvary
BENZOZZO GESZZOL.
39 The Rape of Helen
ANDREA DEL SARTO.
40 The Holy Family
(Andrea d'Agnolo)
41 His own Portrait
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Silenese School.

Duccio di Buoninsegna.
42 Christ Healing the Blind

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Baccio di Baldassare (of Urbino).
43 The Return of Ulysses to Penelope

Raffaello Sanzio.
(Raphael of Urbino)
44 The Madonna, Infant Christ and S. John
45 The Virgin and Child attended by S. John the Baptist and S. Nicholas of Bari

Pietro Vannucci.
(il Perugino)
46 The Virgin adoring the Infant Christ
47 The Virgin adoring the Infant Christ. (Centre Panel)
48 The Baptism of our Lord

Scolms of Lombardy and the Emilia.

Milanese & Piedmontese

Amerigo Boccognone.
(Ambrogio da Fossano)
49 The Marriage of S. Catherine of Alexandria

BernardinoLuini.
50 Christ disputing with the Doctors, or, Christ arguing with the Pharisees

Cremona.

Francesco Taccioni.
51 The Virgin Enthroned

Lodi.

Martino Piazza.
52 John the Baptist

Parma and Modena.

Antonio Allegri.
(da Correggio)
53 Christ presented by Pilate to the people, called the "Ecce Homo"

Schools of Venice and the Venetian Territories.

Giovanni Bellini.
54 Bust portrait of the Doge Leonardo Loredano in his state robes
55 The Infant Christ asleep on the lap of the Virgin
56 S. Dominic

Paris Bordone.
57 Portrait of a Lady

Paolo Caliari.
(Paolo Veronese)
58 St. Helena. Vision of the Invention of the Cross
Catenza. (Vincenzo di Biagio)
59 S. Jerome in his Study

Giovanni Battista Cima.
60 "Ecce Homo"
61 S. Jerome in the Desert

Andrea Cordelletti Agi. (or Cordegliaghi)
62 The Mystic Marriage of S. Catherine

Giambattista Moroni (of Cremona)
63 Portrait of a Tailor

Jacopo da Ponte (il Bassano)
64 The Good Samaritan

Tiziano Vecelio. (Titian)
65 A Holy Family
66 The Madonna and Child

S. John the Baptist and S. Catherine embracing the Divine Infant

Padua (Venetia).

Francesco Mantegna.
67 The Resurrection of our Lord

Verona (Venetia).

Francesco Morone.
68 Madonna and Child

Ferrarese School.

Ercole de' Roberti.
70 The Last Supper
71 The Israelites gathering Manna in the Wilderness

Bolognese School.

Francesco Rasoloni.
(il Francia)
72 S. John and the Lamb
73 The Virgin and the dead Body of Christ

Annibale Carracci.
74 Christ appearing to Simon Peter after His Resurrection

Guido Reni.
75 The Magdalen
76 The Young Christ embracing S. John
77 The Coronation of the Virgin
78 The "Ecce Homo"

Roman and Neapolitan Schools.

Giovanni Battista Salvi.
(Sassoferrato)
79 The Madonna in Prayer

Spanish School.

Don Diego de Silva y Velazquez.
80 Christ in the House of Martha
81 Christ at the Column
82 Philip IV, King of Spain
83 Venus and Cupid

Dutch Schools.

Rembrandt van Ryn.
84 His own Portrait when aged about 32
85 Portrait of an old lady, in black, with white cap and ruff

Gerard Dou.
86 The Painter's own Portrait
87 The Poulterer's Shop

Gerard Terborch (or Terburg).
88 The Peace of Münster

Philip Wouwermans.
89 On the Sea Shore

Pieter de Hoogh (Hooghey)
90 Landscape with Cattle and Figures

Nicolas Maes.
91 Interior of a Dutch House

Bartolomeo Manfredi.
93 The Idyl Servant

Rembrandt van Ryn.
94 A Fresh Gale at Sea
95 Coast Scene, a Calm

Cornelis van Mieris.
95 A Fish and Poultry Shop

Flemish Schools, xvi, xvi., and xvii. Centuries.

Grethaert David.
96 A Canon and his Patron Saints.
(Formerly the right wing of the Reredos of the Altar of S. John the Baptist and S. Mary Magdalen in the Collegiate Church of S. Donatien at Bruges)

Quentin Massys.
(Massys)
97 Salvador Mudin and the Virgin Mary

Marinus van Romerwaal.
98 Two Bankers or Usurers in their office

Pieter Paul Rubens.
99 The Triumph of Julius Caesar

100 Portrait of Susanne Fourment, known as the "Chapeau de Paille"

101 The Judgment of Paris

Sir Anthony van Dyck.
102 The Emperor Theodorus refused admission into the Church by S. Ambrose

David Teniers (the younger).
103 Dives, or the Rich Man in Hell

104 An old Woman peeling a Pear

German School.

Albrecht Durer.
105 Portrait of the Artist's Father

Hans Holbein (the younger).
106 The Ambassadors

French School.

Philippe de Champigne.
107 Three Portraits of Cardinal Richelieu

Gaspard Duchet.
(Gaspard Poussin)
108 The Calling of Abraham

Claude Gellée.
(Le Lorrain)
109 The Embarkation of the Queen of Sheba

Jean-Baptiste Greuze.
110 The Head of a Girl

111 Portrait of the Artist

112 The Entrance to the Italian Room

113 Sculptured Head of Antonio Allegri da Correggio

114 Sculptured Head of Leonardo da Vinci

115 Sculptured Head of Raphael Sanzio
NATIONAL GALLERY AND TATE GALLERY PICTURES—Continued.

From the Original Pictures in the Tate Gallery.

E. ARMITAGE.
116 The Remorse of Judas.

FORD MADOX BROWN.
117 Christ washing Peter’s Feet.

W. DYE.
118 S. John and the Virgin.

SIR C. L. EASTLAKE.
119 Christ lamenting over Jerusalem.

A. HACKER.
130 The Annunciation.

J. F. HERRING.
131 The Frugal Meal.

SIR EDWIN H. LANDSEER.
129 The Maid and the Magpie.

JOHN PETTIE.
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1s. each.

1 Agriculture
2 Albert Memorial Group. Europe.
3 Asia. 4 Africa.
5 America.
6 "Allured to Brighter Worlds and Led the Way."
7 Alfred the Great (Winchester).
8 Side View, showing Shield.
9 Angel and Child.
10 Angel of Love.
11 Peace.
12 Judgment.
13 The Bather.
14 Blindman's Buff.
15 Blind Reading Girl.
16 The Bottle.
17 Boy with Bird's Nest.
18 Boy with Fruit.
19 Bronze Wolf (Rome).
20 Burns the Poet.
21 Burns and Highland Mary.
22 Cinderella.
23 Clovis.
24 Coaxing.
25 The Collier.
26 Courage defending Innocence.
27 A Cross.
28 Cupid and Psyche.
29 Dante (Pisa).
30 Diana of the Ephesians (Naples).
31 Discobolus.
32 "Don't Cry."
33 Dr. Livingstone, Marble Bust.
34 Doge's Head (Venice).
35 Elaine.
36 Erid.
37 Fear.
38 The First Thron of Life.
39 Florence Nightingale.
40 Forced Prayer.
41 Gallie Cavalier (Frémiot).
42 Girl Embroidering.
43 Girl with Flower.
44 Girl Spinning.
45 The Gossips.

GREYCIAL SCULPTURE.
46 Anicleius.
47 Athena.
48 "Leaning on her Spear."
49 Ephebus. Bust.
50 Hermes.
51 Hermes with the Infant Dionysus (Praxiteles).
52 Head of the Hermes of Praxiteles.
53 Hygeia. Bust.
54 Poseidon.
55 Plutus on the Arm of Irene.
56 Themis.
57 Gregory Nasan.
58 Guardian Angel.
59 H.M. the late Queen Victoria.
60 Head of a Barbarian.
61 Head of a Youngful Athlete.
62 Hebe.
63 Hope.
64 The Humble Bee.
65 Hunter Defending his Wife.
66 Innocent Sleep.
67 Ino and Bacchus.
68 Joy.
69 Justice.
70 Kittens at Play.
71 Knife Grinder.
72 Labour. "In the sweat of thy brow."
73 Lifeboatmen (Margate).
PHOTOGRAPHIC STATUARY—Continued.

74 Lion and Dying Lioness.
75 Little Fisher Boy.
76 Little Miss Vanity.
77 Lord Byron.
78 Love.
79 Love Restraining Wrath.

LE LOUVRE STATUARY.
80 Amphalea (Julien).
81 L’Amour (Gillet).
82 L’Amour (Lemire).
83 L’Amour (Chaudet).
84 L’Amour and Psyche, rec- linng figure (Canova).
85 L’Amour and Psyche (Canova).
86 L’Amour and Psyche (Delaistre).
87 Antinous.
88 Le Berger et Édipe (Chaudet).
89 Daphnis and Chloé (Corset).
90 L’Enfant à la Grappe (David d’Angers).
91 L’Innocence (Roman).
92 Pècheur Napolitan (Rude).
93 La Toilette d’Atalante.
94 La Venus de Milo.

LUXEMBOURG STATUARY.
95 La Jeunesse et L’Amour (Crane).
96 Pau et Ours (Frémiet).
97 L’Immortalité (Longepied).
98 Margaret of Anjou.
99 The May Queen.
100 Michael Angelo.
101 John Milton.
102 Morning.
103 Morning and Evening.
104 A Mother’s Love.
105 A Mother, by Raphael Monti.
106 Naiad.
107 Nature’s Mirror.
108 Nelson, Bust.
109 Night.
110 Only a Halfpenny.
111 Ophelia.
112 Orphans.
113 Out in the Rain.
114 Pandora.
115 Parted Friends.
116 Parting of the Lovers.
117 Pasquin (Rome).
118 Paul and Virginia.
119 Pastoral Staff.
120 The Pet Bird.
121 Prayer.
122 Puck.
123 The Puzzled Gamekeeper.
124 The Quarrelsome Blacksmith.
125 Queen Bertha (Canterbury).
126 Raphael as a Boy.
127 Red Riding Hood.
128 Richard I. (Equestrian Statue).
129 Roman Cavaller (Frémiet).
130 Ruth.
131 Shakespere.
132 Simplicity.
133 Soap Bubbles.
134 Stand Up.
135 St. George and the Dragon.
136 St. Martin and the Beggar.
138 Sir Calpinte rescuing Serena.
139 Sitomarini releasing Amoret.
140 Storm.
141 Sunrise.
142 Sunshine.
143 Sunshine and Showers.
144 Tam O’Shanter.
145 Theseus.
146 Thetis.
147 Timidity.
148 Tired Out.
149 Torquato Tasso the Youth.
150 Treasure Trove.

VATICAN STATUARY.
156 Apollo del Belvedere.
157 Apoxymenos the Scaper, by Lysippus.
158 Torso of the Belvedere.
158 Canova Cabinet.
159 Damoxenius the Boxer—

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5 '' The Lost Chord.'' | 48 Greek Girl.
6 '' What are the Wild Waves Saying?'' | 49 The Prophetess.
7 Stella. | 50 The Scroll.
8 The Evening Star. | 51 Invoking the Gods.
9 Night. | 52 Meditation.
10 Goddess Luna. | 53 At the Cross.
11 Goddess Flora. | 54 Even me.
12 Goddess Diana. | 55 Lord, have Mercy upon us.
13 Springtime. | 56 Evening.
14 Summer. | 57 A Summer Morn.
15 The Flower Girl. | 58 Dolly Varden.
16 Nydia: the Blind Flower Girl of Pompeii. | 59 The Lyre.
17 Purity. | 60 Ophelia.
18 Longing. | 61 Maud.
19 Regrets. | 62 The Squire's Daughter.
20 The Sisters. | 63 The Christian Maiden.
21 The Mermaid. | 64 Reverie.
22 A Game of Ball. | 65 Absence makes the Heart grow Fonder.
23 The Letter. | 66 Incense to Diana.
24 Water Carrier. | 67 The Swing.
25 Pandora. | 70 The Greek Girl.
26 Sappho. | 71 Reading the Scroll.
27 Day Dreaming. | 72 Madame Sarah Bernhardt.
28 The Babes in the Wood. | 73 " " " half-length.
29 " Joy was Duty, and Love was Law." | 74 " " " half-length.
30 The Incantation. | 75 Mrs. Patrick Campbell.
31 The British Maid. | 76 Miss Camille Clifford.
32 The King's Daughter. | 77 Miss Gladys Cooper as Flower Seller.
33 The Musicians. | 78 Miss Zena Dare as Dancer.
34 An Egyptian Musician. | 79 Miss Gabrielle Ray.
35 The Dancer. | 80 " " " as Stella.
36 The Dancing Girl. | 81 " " " as Artist.
37 The Bather. | 82 " " " as Geisha.
38 The Witch. | 83 " " " with Water Pot.
39 Sacrifice. | 84 Miss Marie Studholme.
40 The Sisters. | 85 " " " and Child.
41 The Wounded Bird. | 86 A Spanish Dancer.
42 Galatea. | 87 Madame Sarah Bernhardt, half-length.
43 In Hours of Leisure. | 88 Miss Camille Clifford.

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   "What He calleth me to do, that I will do."

2 Favius, the Teacher.
   "Fervent of disposition, impatient of wrong."

3 Marcus Superbus, the young Patrician.
   "What this Christianity is I know not; but this I know, that if it makes many such women as Mercia, Rome—nay, the whole world—will be all the purer for it."

4 The Emperor Nero and Poppea at the Fête of Tigellinus.
   "A revolting creature he looked."

5 Favius meets Titus.
   "He hath wronged no one unless it be a wrong to nurse the sick, comfort the weary, help the helpless; all these things hath he done; would you slay him for that?"

6 Lady Dacia and Attendants.
   "A witty, clever, careless, thoughtless butterfly."

7 The Dancing Girl.
   "Those who love not live in vain."

8 Glabrio.
   "The sacred fire of Bacchus is in my veins."

9 Dacia and her Friends.
   "Men are only fit to be women's slaves."

10 Bernice.
   "A very queen in stateliness and distinction."

11 Stephanus in Prison.
   "I worship the living God."

12 Stephanus questioned by Tigellinus and Licinius.
   "Thou canst slay my body, thou canst not slay my soul."

13 Stephanus confesses after Torture.
   "Spare me, oh, spare me!"

14 Bernice waiting for Marcus.
   "The noble Marcus must love you, or he is but a man of stone."

15 Bernice with Dacia and her Friends.
   "Ah, these men, these men!"

16 Marcus and Tigellinus in Bernice's room.
   "'Tis not the soldier's sword, but the assassin's knife, that Marcus has to fear from a Tigellinus."

17 Mercia and Stephanus.
   "He hath been tortured."

18 Nero, the Coward.
   "Is such an Emperor to perish?"

19 Poppea pacifies Nero.
   "Marcus is a man, and, lacking thy constancy, great Caesar, is too easily caught by a pretty face."

20 Nero, the Brute.
   "I'll soak them in oil and tallow as I did before, and set them blazing."

21 Poppea and Bernice.
   "We poor weak women never know these men until we have married them."

22 Daones the Dancer.
   "Her movements were grace itself."

23 Marcus and Glabrio.
   "Yes, I've felt that way myself when I have been too sober."

24 Glabrio offers wine to Mercia.
   "Seek the light, 'tis shining there to guide thee."

25 Marcus and Mercia.
   "The Master hath spoken! You cannot harm me now!"

26 The Remorse of Marcus.
   "Oh, the shame of it!"

27 Bernice's Punishment.
   "The world was empty to her."

28 Christian Maidens.
   "Oh, wondrous faith! Oh, glorious belief!"

29 The Parting of Mercia and Stephanus.
   "I see the cross! I fear nothing now!"

30 Mercia.
   "My crown is not of earth, Marcus. It awaits me there."

31 Mercia and Marcus.
   "Come to the Light beyond."

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16 on horseback.
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24 Anne of Cleves (Holbein).
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26 Arabi Pasha.
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29 King Arthur.
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35 Sir John Bacon, 1st Duke of Ormond.
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134 Charlotte, Queen of George III.
135 Queen Charlotte (H. Edridge).
136 Rev. Pahtauaquong Chase, Chief of the Ojibway Indians.
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138 William Chillingworth.
139 Christian IX., King of Denmark.
140 Rt. Hon. Winston Churchill.
141 Maxwell Clark.
142 George Clifford, Earl of Cumberland.
143 Robert, 1st Lord Clive.
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167 Archbishop Cranmer and Thomas Cromwell.
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169 Chief Justice Crew.
170 Lord Cromer.
171 Oliver Cromwell.
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174 Samuel Crompton.
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210 Edward I.
211 Edward II.
212 Edward III.
213 Edward the Black Prince.
214 Edward IV.
215 Edward V.
216 Edward VI. (A. van der Werff).
217 H.M. King Edward VII in 1860.
218 " about 1880.
219 " about 1880, in Highland dress.
220 " as Colonel of H.A.C.
221 " as Colonel-in-Chief of 10th Hussars (S. Begg).
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225 Prince Edward of Wales saluting the Colours (Allan Stewart).
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227 Lord Elgin and Kincardine (F. Grant).
228 Sir John Elliot.
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231 Queen Elizabeth.
232 Queen Elizabeth, from the original at Westminster Palace.
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240 Erasmus, from the original at Windsor.
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379 John Harold.
380 William Harvey.
381 Warren Hastings.
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400 Sir William Herschell. 1738–1822.
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426 Pope Innocent X. (Velasquez).
427 General Henry Ircrop.
428 H.M. the King of Italy.
429 T.M. the King and Queen of Italy.
430 James I. (A. van der Werf).
431 James II.
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DA "A SHORT HISTORY OF THE ENGLISH PEOPLE."  
By John Richard Green, M.A.

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45. Wellington ordering the Life Guards to charge
46. Charge of the Guards
47. "Scotland for ever!"
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50. The Artillery Duel
51. The Old Guard
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53. Blücher
54. The Lion Mound

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56. Pitt
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1 Hereward's interview with his Mother and the priest Hrpin. "He has told me,' said she, 'that you have robbed the Church of God.' 'Robbed him, it may be, an old hoody crow, against whom I have a grudge of ten years' standing.'

2 Martin Lightfoot undertakes to be the bearer of the letter to Earl Leofric. "And you will go to my lord and deliver this letter safely."

3 Hereward sees Martin Lightfoot depart with the letter. "For an instant Hereward's heart misgave him, he would stop the letter at all risks."

4 Hereward informs his uncle, the Prior, that he is about to be outlawed. "Outlaw you? Oh, my boy, my darling, my pride! Get off thy horse, and don't sit up there, hand on hip, like a turbaned Saracen, defying God and man."

5 How Martin Lightfoot overtakes Hereward. "The man came up, and behold, he was none other than Martin Lightfoot."

6 How Hereward slew the bear. "Rushing out across the prostrate bear, they overwhelmed Hereward with praise and thanks, and, after the straightforward fashion of those days, with substantial kisses."

7 How Hereward was caught in a trap. "He did not panic. Dropping his reins, and driving in the spurs once more, he met them in full shock. With his right hand he thrust aside the left-hand lance, with his right he hurled his own with all his force at the right-hand foe."

8 How Hereward runs his ship upon the Flanders shore. "Now, then,' as she rushed into the breakers, 'pull together, rowsers all, and with a will.'"

9 Hereward enters the consecrated fortress of St. Bertin. "And so they marched inland, after the boy had dismounted one of his men, and put Hereward on the horse."

10 Hereward's first interview with Torfrida. "Do not look at me so, I cannot bear it,' said she, hanging down her head."

11 How Hereward turned Berserk. "His only dress was a silk shirt and silk hose. He laughed and sang, and made his horse caracol, and tossed his lance in the air."

12 How Alfrada recognises Hereward. "So you could not wait for me? said she, in a quiet whisper."

13 How Hereward cleared Bourse of Frenchmen. "And then began a murder grim and great."

14 How Torfrida teaches Hereward to pray. "And she put her arms round the wild man's neck, and tried to teach him like a little child."

15 How Alfrada resolves Alfrada. "He caught her in his arms, and commanding the maid to follow, hurried down the stairs. Winter and the Siwards were defending the foot with swinging blades."

16 how Hereward guards Alfrada to a place of safety. "Are you in earnest?" Alfruda laughed one of her strange laughs."

17 How Hereward played the potter and cheated the king. "Then Hereward looked at the face of the great man, 'I am not that man's match,' said he to himself."

18 How Hereward departed from Ely, and how he killed the mare "Swallow." "Swim good lass! said he, as they pushed off."

19 How Hereward came in to the king. "And then Hereward went in, and knelt before the Norman, and put his hands between William's hands and swore to be his man."

20 How Hereward got the rest of his soul's price. "And with a shout of 'Torfrida!' which made the Brunsweal ring, he hurled the shield full in the Brotan's face, and fell forward dead."

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5. Harold and the Saxons are confined in the Castle of Beauclair, near Montreuil.
6. Harold's Captivity announced to William of Normandy, who is informed that Guy of Ponthieu demands ransom for him.
7. Guy of Ponthieu gives further audience to Harold and his companions, whose release is demanded by
8. heralds from Duke William.
10. Harold, William's companion in his campaign in Brittany, receives the submission of Conan, Earl of
12. William confers upon Harold the dignity of a Norman Knight.
13. Harold's oath of fidelity to William, sworn over the concealed relics of the saints.
15. Harold, returned from Normandy, presents himself to Edward the Confessor.
16. Morcar, elected Earl of Northumbria, in place of Tostig, Harold mediates with the Nunos of the
17. Election.
18. The marriage of Harold with Aldyth, sister to Edwin and Morcar.
21. William, in his hunting-ground at Rouen, receives intelligence from Tostig of Harold's Coronation.
22. Tostig, defeated in his attempts against Harold, files in his galley from the
23. Hugues Maigro, a Monk, has audience of King Harold, to propose conditions from Duke William.
24. Tostig, meditating another attack upon Harold, solicits the aid of Swyn, King of Denmark, and of
25. Harold Hardrada, King of Norway.
26. William, bent upon invading England, begs for the aid of Philip L of France, and of Baldwin, Earl of
27. Flanders, his father-in-law.
28. William consults the Nobles and Merchants of his Dukedom, for help in his design.
29. Pope Alexander consents to banner for William's service in his descent upon England, and grants a
30. ring containing a hair of S. Peter.
31. Homage rendered to the consecrated Banner.
32. William displays the relics of S. Valery to allay the discontent of a portion of his troops at the propose
33. invasion.
34. Duke William in his galley and accompanied by his fleet crosses to England.
35. William stumbles as he lands, but, grasping the earth with his hand, calls out that he thus takes
36. possession of the English soil, and so reassures his followers, who regarded his fall as an ill-omen.
37. Meanwhile Tostig and Harold Hardrada are victorious, and receive the submission of the City of York.
38. The retreat of Edwin and Morcar from York.
39. Harold's interview with Tostig, his brother, and with Hardrads, Tostig's ally, before the Battle of
40. Stamford Bridge.
41. The death of Tostig and Harold Hardrada, after the Battle of Stamford Bridge.
42. Harold, conqueror at Stamford, and wounded, sits at a banquet in York—A herald announces the
44. A fiery star appears in England portentous of disaster, and is apostrophised by the Monk of
45. Harold, about to oppose the invasion of William, offers prayer at Welham Abbey, when the sacred
46. image miraculously inclines forward from the Cross.
47. The day before the battle. A knight, with monks, sent by William to negotiate with Harold.
48. The eve before the battle. Pious observance of the Normans.
49. The eve before the battle. Riot and wantonness of the Saxons.
50. Morning of the battle. The Norman Chief, Tallifer, leads Duke William's van, singing the song of
51. Roland, and juggling with his sword.
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14 Thomas H. Kavanagh completing his disguise in the Residency, Lucknow, 8th November, 1857.
15 Lieutenant Thomas Adair Butler, 1st Bengal Fusiliers, at Lucknow, 9th March, 1858.
16 Private James Davis, of the 42nd Highlanders, carrying Lieut. Bramley, who was wounded, to a place of safety. The attack on Fort Ruhia, April 15th, 1858.
17 Sergeant-Major Lucas, 40th Regiment, defending a position against the Maories, 18th March, 1861.
18 Colour-Sgt. McKenna, of the 65th Regiment. For bringing in the body of Captain Swift, who had fallen in action, 7th September, 1863.
20 Private Jones defending Hospital door at Rorke's Drift, Jan. 22, 1879.
21 Private Henry Hook defending the Hospital door at Rorke's Drift, January 22, 1879.

22 Major Leet saving life of Lieut. Smith in Zulu War.
23 Gunner James Collis, Battery B. Brigade, on the way to Candahar, killing one of the leaders of the Afghan Horse, 1879.
26 Engagement with Dacoits at Chinibjet, Burmah, 1884.
27 The Manipur Residency Garrison to Silchar, fighting on the road, 1891.
28 Malakand Pass and Enemy's Country, 1895.
29 The Chitral Campaign. Guides advancing taking every opportunity of cover. Gordon Highlanders, King's Own Borderers. Spot showing where Colonel Battye was killed, May 4th, 1895.
30 An incident in the Charge of 21st Lancers at Battle of Omdurman, 1899; Saving a Comrade.
31 H.M. the Queen decorating Findlater and Vickery at Netley Hospital, 1899.
32 Sir Evelyn Wood. V.C.
33 Sir Redvers Buller. V.C.
34 The Victoria Cross Medal, 4s.
35 Corporal Goate saving Major Percy Smith at Cawnpore.
36 Lord Roberts killing a Sepoy in the Indian Mutiny.
37 Saving the wounded in the Indian Mutiny at Lucknow.
38 The Persian War. Adjutant Forbes.
39 Lieut. R. Dunn at Balacalava.
40 Captain Mitchell rescuing Commander Hay in the Maori War.
41 Lord William Beresford (Portrait).
42 One of the deeds which gave General Buller his V.C.: The rescue of Captain d'Arcy during the Zulu War.
43 Farrier-Major W. J. Hardham, 4th New Zealand Contingent, carrying Trooper McCrae, who was wounded, to a place of safety. Engagement near Nauwport, January 28th, 1901.
44 Lieutent. P. W. Bell, West Australian Mounted Infantry, rescuing a dismounted man at Brakpan, May 16, 1901.
45 Lieutenant W. J. English, 2nd Scottish Horse, carrying ammunition to his companions at Viakfontein, July 9, 1901.
46 Piper Findlater at the Battle of Dargai, playing "Cock-o'-the-North" lying on the ground after being shot through both legs.
47 Private Bees fetching water in a kettle at Medeiv.
49 Lieut. Syme killed while attending to a wounded hospital assistant in Somaliland.

Note.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
THE TRANSVAAL AND THE WAR.

Many of these slides are from direct photographs, the remainder are facsimiles of sketches made by War Artists on the field of battle, or are photographed from the original pictures by Caton Woodville, Seppings Wright, Melton Prior, and other well-known artists for "The Illustrated London News," "The Sketch," "The Spear," &c.

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68 Devons, Manchesters, and Gordons, charging the Boer Guns
69 Advance of Gordons at Elandslaagte
70 Charge of 5th Lancers at Elandslaagte
71 C Squadron of the 5th Lancers among the Boers
72 Tapping the Telegraph wires and Telephoning to Ladysmith
73 Charge of Cavalry at Bester's Farm
74 14th Hussars steaming out of Liverpool, on board the "Columbian," Nov. 6th, 1889
75 "Three Cheers for the Queen." Her Majesty inspecting Household Brigade at Windsor
76 Rt. Hon. Cecil Rhodes
77 Sir Alfred Milner
78 Lt.-Gen. Lord Methuen, C.B., commanding the first division in South Africa
79 Difficulties of transport, Field Battery fording river in flood
80 Battle of Elandslaagte, tending the wounded on the field
81 Bringing wounded back into Ladysmith
82 British soldiers taking cover on the Veldt
83 Melton Prior's sketch of the Battle of Ladysmith
84 Battle of Lombard's Kop, Oct. 30th, Sir G. White and Staff under fire
85 Battle of Rietfontein, Boer shell bursting amongst the Lancers
86 Battle of Rietfontein, in the firing line
87 A Veterinary Corporal of 5th Lancers speaking to two Boers with one thumb
88 Col. Baden Powell's answer to Commandant Cronje's demand for the surrender of Mafeke
89 The Leicester Regiment being shelled on retiring towards Ladysmith
90 A native runner with despatches for Ladysmith
91 A sortie with the armoured train from Ladysmith
92 The Hospital train leaving Ladysmith for Pletenartburg
93 Firing the 4.7 gun mounted on Captain Scott's carriage in action
94 Boer tactics—the abuse of the white flag
95 Horse Artillery rushing to take a new position
96 Imperial Light Horse during an attack
97 Firing on the Ambulance during the Battle of Lombard's Kop
98 Charge of Gordon Highlanders at Elandslaagte
99 Colenso Railway Bridge, blown up by the Boers
100 Blowing up the Railway Bridge over the Tugela River at Colenso
101 Police Camp at Mafeke
102 In the armoured train near Frere
103 In the armoured train near Ladysmith
104 Our Troops returning to Ladysmith after sortie
105 Mr. Melton Prior sketching under fire at Nicholson's Nek
106 Modder River, showing the scene of Lord Methuen's engagement
107 Battle of Belmont. Before the final assault
108 Shallow draught Gunboat
109 Portrait of Lord Roberts, V.C.
110 Lord Kitchener
111 De Aré Railway showing Tafelberg in the distance
112 A meeting of the Committee of National Defence
113 The Queen's gift to her troops in S. Africa, the tin of chocolate
114 Talana Hill
115 In the trenches at Mafeke, a good shot
116 The Stormberg Pass, the scene of General Gatacre's operations
117 A night attack
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THE TRANSVAAL AND THE WAR—Continued.

118 H.M.S. Doris, Powerful, Terrible, Monarch, Penelope, in Simon's Bay
119 Royal Horse Artillery at the Railway Station
120 The valley of Tugela River, scene of General Buller's operations
121 De Aar line to Kimberley
122 The engagement on the Modder River
123 Highlanders crossing Modder River
124 Battle of Mafersfontein, doctors tending the wounded
125 Sir Charles Warren
126 Lord Methuen's victory at Gras Pan, Naval Brigade in action
127 Headquarters of General Sir George White at Ladysmith, showing "Dug-out" made for the General by his staff
128 Correspondents under fire. Enemy's sharpnel bursting over Mr. Nevinson, Mr. Melton Prior, and servant, when crossing a drift at Ladysmith
129 Sniping outside Mafersfontein
130 Bluematic jackets of H.M.S. Terrible with 4½ in. gun ready to start for the Front on Nov. 26
131 The loss of our guns at the Tugela River
132 Colonel Philcher's capture of a Boer Laager at Sunnyside; gallantry of the Canadins and Queenslanders
133 Mr. Winton Churchill and the vulture
134 Battle of Mafersfontein, Gordons covering retreat of Highland Brigade
135 Battle of Mafersfontein, Dec. 11
136 Battle of the Shell at the Royal Hotel, Ladysmith, Death of Dr. Stark
137 Rimington's Guides at Fincham's Farm
138 Artillery at the Mool River Station about to take up a position
139 Manning the breastwork at Nau poort Camp
140 Machine gun taking up advanced position within range of the enemy
141 Bluematic jackets saving their gun
142 Boers crossing from the Free State into Atwill North by Frere Bridge. This Bridge was afterwards blown up
143 Soldiers filling water bottles under fire
144 Burial of General Wanchops, the fallen Chief of the Highland Brigade
145 Boer horses in a "dooog" or cleft on the Veldt
146 Arundel Camp on Dec. 15
147 Conferring the Freedom of the City of London on the City Imperial Volunteers at Guildhall, Jan. 21, 1899
148 C.I.V. before Nelson's Monument in St. Paul's. "Fight the good fight"
149 C.I.V. passing Westminster Bridge and the Houses of Parliament
150 "God speed the C.I.V." Departure of the second detachment of the C.I.V., Jan. 29th
151 R.M.S. "Briton" in Capetown Docks. Troopship of the C.I.V.
152 Portrait of General Qatare
153 Soldiers of the Queen, Photo Group of Soldiers from all parts of the Empire
154 The Highlanders at Mafersfontein. "All that was left of them"
155 General Lord Methuen, with Colonel Douglas, Chief of his Staff, directing the Battle of Mafersfontein
156 A Boer Trench surprised at Mafersfontein
157 During the British retirement on Molteno
158 Runner from outside bringing news to Lady Smith
159 Night signalling with the searchlight from an armoured train outside Ladysmith
160 Melon Prior's sketch (facsimile) of the Bombardment of Ladysmith, taken from Maiden's Post (between Wishing Hill and Caesar's Camp)
161 The 4½ in. Naval Guns in action at Colenso, showing Captain Percy Scott's carriage, which enabled these ship guns to be used effectively in the field
162 The Colonials' first great chance—Colonel Philcher's clever attack on Sunnyside Kople
163 General Joubert at breakfast at the Hoof Laager
164 General Frensham's advance on Colesberg
165 Imperial Yeomanry in field equipment
166 Prince of Wales inspecting the Imperial Yeomanry at Albany Street Barracks, London
167 A Boer shell that fell close to an officer left in camp
168 Sir Redvers Buller's transport wagon crossing the Veldt
169 Bird's-eye view of the operations at Stormberg
170 A corner of the Remount Depot, Maritsburg
171 1st Bat, Royal Dublin Fusiliers at Maritsburg
172 Men of "The Queen's" taking refuge in a Boer trench
173 Our men sitting in a garden at Colenso for ammunition
174 Group of Boers at Newcastle
175 A warm day at Ladysmith. The Gordons taking cover
176 The assault on Ladysmith. The Infantry in the trenches fixing hayonets to repel Boer attack
177 Heliographing a message from Ladysmith. (The Heliograph is stationed at Maiden's Castle)
178 The Royal Engineers building a pontoon bridge over the Tugela
179 Maxim Gun detachment of the Natal Police Field Force
180 The guns of the 6th Battery saved by Captain Schofield and the late Lieut. Roberts
181 Naval Gun "Joe Chamberlain," with Captain Scott's position-carriage, after firing 10 rounds
182 Boer 37 millimetre Gun "75" Field Piece "75" Gun and Limher (Crescut)
183 Colonel Philcher's Colonials drawing the enemy's fire
184 "For England's honour." Transports leaving Southampton
185 The Royal Canadian Artillery passing through the streets of Ottawa
186 D Company of the Yorkshire Regiment and New Zealanders repelling an attack of the Boers near Colesberg at the point of the hayonets
187 A resting place of friend and foe. Graveyard at Dundee
188 150 prisoners in Ladysmith jail
189 The jail at Pretoria, where Colonial prisoners of war and civilians were kept in custody
190 Head quarters of General French at Rensburg
191 A reconnaissance in force General French's Cavalier on the Orange Free State Border near Colesberg
192 Hauling the Guns up Coles Kop
193 With General French at Colesberg. Sending up ammunition for the Guns on Coles Kop
194 Kruger's Nightmare (omio)
195 The attack on Spion Kop, Jan. 31st
196 Lord Roberts' reception by the men of Lord Methuen's Division at the Modder River Camp
197 A Boer wagon in difficulties
198 General Schalk Burger in his tent at the camp behind Pelworth's Hill
199 Ammunition being hauled up by derrick and wire rope for the guns on Coles Kop
200 With French near Colesberg. The remains of the Suffolk Regt., the morning after the disaster at Modder River
201 Sergeant of the Gordons in difficulty. Look of his rifle jammed
202 Colonel Baden-Powell watching the bombardments
203 Rebel Colonists attacked by our Cavalry
205 The Prince and Princess of Wales' visit to the Hospital Ship "Princess of Wales," at Southampton
206 The retreat over the Tugela after Spion Kop
207 Sorting the firing from the dead. Dawn on Spion Kop, January 25
208 The latest portrait of General Cronje
209 Lord Roberts at Admiralty House, Simons Bay
THE TRANSVAAL AND THE WAR—Continued.

245 Prise a' Intombi Camp, Ladysmith
248 The instant before firing 4-7 naval gun at 4-7 Naval gun, showing shelter trench in which H.M. the Royal Inniskilling Fusiliers with Bulier repel the attack
247 H.M. the Cronje surrenders to Lord Roberts at Paardeberg
243 The Field Hospital. Wynberg Camp
246 Boers besieging Mafeking. The town in Gnarf at Kimberley occupied by the Tients
242 "Long Cecil," manufactured at De Beers
241 Retiring the Balloon during the action of Vaal Farm
239 A 6m,. Naval Gun showing how the upper part of the Naval mounting was fitted to an extended travelling carriage
238 Boer Trench, showing the burrows in which the Boers took shelter
237 "Long Cecil," manufactured at De Beers Works
235 Mr. Winston Churchill firing a colt gun
236 Trenches at Kimberley occupied by the Town Guard
234 Gen. French's Column pressing on to Kimberley
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231 Gen. French's Column pressing on to Kimberley
230 Lord Roberts and Admiral Harris watching 4-7 gun firing at maximum elevation
229 On Outpost Duty (for burying the dead)
228 Boers taking shelter when "Long Tom" fired 47 naval gun at Ladysmith; shellin" Long Tom "on farthest hill at 600 yards, Petty-officer Lee pulling the lanyard
227 Indian Ambulance-bearers under fire — The dangers of mercy
226 Filling up mule water-cart
225 Bombay at Kimberley. Scene near Mr. Rhodes' splinter-proof trench around the Public Gardens
224 Boberta's Horse at Sanna's Post, retiring under heavy fire
223 "Long Tom" being loaded to fire on Mafeking
222 On the alert. A Cavalry picket searching a 1900) 25th Engine with trucks fording a river
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220 Farming and General Cronje before his surrender to Lord Roberts
219 The National Anthem, with Portrait of H. M. the Queen
218 The Battle of Caesar's Camp. The Devils charge on Wagon Hill
217 Artillery and S. African Light Horse crossing a small drift
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196 Filling up mule water-cart
195 Shelter from the sun by waterproof sheet
194 Filling water bottles [Kop in distance
193 Native cowboy in old military coat
192 Filling up mule water-cart
191 Shelter from the sun by waterproof sheet
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189 From Clayoartspruit near Potgieter Drift. Spion Kop
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185 Offiers of the Sherwood Foresters resting on their way to Bloemfontein
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180 Major-General Hector Macdonald, A.D.C. to the Queen
179 General French on the balcony of the Bloemfontein Government Building
178 Gen. Lord Roberts with his A.D.C., Lieutenant Farquhar and Major de Courcy Hamilton (Transport) (sharpshooter, in the trenches
177 A Mafeking Amazon. Mrs. Davies, the lady favourite Basuto pony
176 In the trenches at Mafeking
175 Major Lord Edward Cecil
174 Dr. Conan Doyle attending wounded Canadians in the Langham Hospital
173 Lord Roberts writing despatches in a transport wagon
172 Household Cavalry watering their horses
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170 "The friend that was a foe," Lanceur and Free Stater fraternising at Bloemfontein
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166 The Orange Free State Under Secretary of State leaving the Police Station
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160 The Defences of Wepener by Col. Dalgetty
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158 Colonel Baden-Powell's shelter at Mafeking
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147 In the trenches at Mafeking
146 Major Lord Edward Cecil
145 Dr. Conan Doyle attending wounded Canadians in the Langham Hospital

The following 15 slides are taken from direct negatives received from the Front :-

261 On Outpost Duty (for burying the dead)
260 Boers taken during armistice (Feb. 26th, 1900)
259 Part of a Picquet
258 Broken Bridge at Colenso
257 Mouth of a Boer trench
256 Laundry work, Officers' garments drying
255 Sun shelter and Picquet guard
254 Officers of the Queen's. Officers' garments drying
253 Native cowboy in old military coat
252 Filling up mule water-cart
251 Shelter from the sun by waterproof sheet
250 Filling water bottles [Kop in distance
249 From Clayoartspruit near Potgieter Drift. Spion Kop
248 Field guns at rest
247 A shaded corner near Camp
246 Major-General Bruce Meade Hamilton
245 Indian Ambulance-bearers under fire — The dangers of mercy
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243 Method of procuring water for troops on Veldt
242 Natal Field Force, Field Hospital "Number Four" at Mooi River
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388 The Engagement at Vaalkop. The Derbyshire Fusiliers retaking the Our victory.
388 Mr. Brodrick unveiling the Memorial to the fallen C. I. V. in Westminster, June 28, 1901.
388 Yeomnry surprised in a drizzle while pursuing a Boer Commando in Cape Colony.
389 Boers searching for lost ammunition on an old camping ground.
390 Gen. Louis Botha, the Commander-in-Chief of the Boer Orange River Forces.
391 Hospital Train (No. 3 H.) at Charlestown, near Volksrust.
391 The gallant Bugler at Fort Italas.
391 Private Bees fetching water in a kettle at Medevil.
391 Boers trying to cross the Railway. Stopped by Blockhouses.
392 Deserved Boers' dogs following a column.
392 Guards leaving the Barracks for S. Africa.
393 An armoured train foiling Boer's attempt to cross the railway.
395 General Drury's Night Surprise at Trafalgar, Dec. 24, 1900.
395 Lt.-Col. Damant's Fight against 330 Boers in a Storm.
396 Boers' Night Attempt to cross railways stopped by rock-house shot-lights.
397 "Scots Greys" 2nd Dragoons in full order.
397 British Soldiers catching Boers ill-treating Natives.
395 The Watch dogs of the Blockhouse Line, Native Scouts at work.
396 "Hunted," The Survivors of a Commando.
397 General De Wet breaking the wire of Bookehouse and escaping.
398 The mishap to the 2nd R. D. (Scots Gerys) at Kilp pension.
398 Defeat of Lord Methuen's Force by Delsrey, March 7th, 1902.
398 Colonial Gallantry. New Zealanders Defence after one of the Drives.
397 Orient of Five. A British Officer's escape in South Africa.
397 "Following the Flag".
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8 Room in which the Queen was born
9 The Archbishop, who baptised her
10 Woolbrook Glen, Sidmouth
11 Duchess of Kent and her Baby
12 Portrait of William Wilberforce
13 The Princess when two years old
14 George IV. and his Queen
15 The Princess when six years old
16 Grave of the Dairyman's daughter
17 The Princess when ten years old
18 Royal Pavilion at Brighton
19 Reception of the Princess
20 Duke of York's Column, London
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22 Portrait of Queen Adelaide
23 Archbishop Howley
24 The Princess when fourteen years old
25 Kensington Palace (Present day)
26 The Princess when eighteen years old
27 A Waterloo Banquet
28 Queen Victoria's first Council
29 Portrait of Lord Melbourne
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35 Westminster Abbey (exterior)
36 Coronation of the Queen
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38 The Queen receiving the Sacrament at her Coronation
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40 The Queen in Coronation Robes
41 Royal Pew, St. George's, Windsor
42 Portrait of Queen in her Pew
43 A State Room in Windsor Castle
44 Portrait of Sir Robert Peel
45 The Queen in 1839
46 Portrait of Baron Stockmar
47 The Marriage of the Queen
48 Portraits of Queen and Prince Consort
49 Attempt to Shoot the Queen
50 The Queen seated in State
51 S. George's Chapel, Windsor (exterior)
52 Memorial of the Prince of Wales
53 Holyrood Palace and Arthur's Seat
54 Portrait of the late Lord Tennyson, Poet Laureate
55 Portrait of Princess of Wales
56 Windsor Castle from Home Park
57 The People's Palace, London, E.
58 Queen's Procession, Jubilee Day, 1887
59 Interior of Westminster Abbey
60 Jubilee Service in the Abbey
61 The Queen and the Prince of Wales
62 Portrait of Lord Palmerston
63 The Great Exhibition Building
64 Queen opening the Great Exhibition
65 Portrait of Queen in 1851
66 Statue of Sir Rowland Hill
67 A modern Ocean Steamer
68 Girton College, Cambridge
69 The Secret of England's Greatness
70 Departure of Troops for Crimea
71 The French Alliance
72 Tomb of Napoleon Buonaparte
73 Siege of Sebastopol
74 Proclaiming Peace at Charing Cross
75 Portrait of the Queen in 1856
76 Netley Hospital, Southampton
77 The Relief of Lucknow
78 S. James's Palace Gate way
79 Marriage of the Princess Royal
80 Duchess of Kent's Mausoleum
81 Prince Albert in 1861
82 Mausoleum of Prince Consort
83 "Allured to Brighter Worlds and led the way"
84 Albert Memorial, Knightsbridge
85 Portrait of Princess Alice
86 Memorial to Leopold, King of the Belgians
87 The Prince of Wales in 1880
88 The Chateau at Bernstorff
89 Marriage of the Prince of Wales
90 Portrait of the late Lord Tennyson, Poet Laureate
91 Portrait of Princess of Wales
92 Windsor Castle (from Home Park)
93 Thanksgiving Day Procession, 1872
94 Portrait of Duke of Edinburgh
95 Cumberland Lodge, Windsor Park
96 The City of Florence
97 Portrait of John Brown
98 Canadian Pacific Railway Train
99 Our Indian Dominions (Map)
100 Indian Possessions (Map)
101 Recent Portrait of Prince of Wales
102 Proclaiming the Queen as Empress of India
103 Portrait of Lord Beaconsfield
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106 Whippingham Church, Isle of Wight
107 Jubilee Portraits of the Queen
108 The People's Palace, London, E.
109 Queen's Procession, Jubilee Day, 1897
110 Interior of Westminster Abbey
111 Jubilee Service in the Abbey
112 The Imperial Institute
113 The Church of England Memorial
114 Queen's Nurses' Institute Offices
115 Prince and Princess of Wales, 1888
116 Sandringham House, Norfolk
117 Portrait of the Duke of York
118 The Duchess of York
119 Business Room, Balmoral Castle
120 Portrait of the Queen in 1896
121 Words of the National Anthem

SUPPLEMENTARY SLIDES OF THE QUEEN'S REIGN.

121 The Queen taking the Oath
122 Landing of Her Majesty at Aberdeen
123 Houses of Lords, Interior
124 The Queen Opening Parliament
125 Peninsular Heroes at Apsley House
126 Waterloo Heroes at the United Service Club
127 Death of the Duke of Wellington—Funeral Procession, 1852
128 The Battle of Alma
129 H.M. the Queen and the Prince of Wales
130 Entry of Princess Alexandra, 1883
131 Duke of Wellington and Prince Arthur
132 Royal Cortège in Windsor Park
133 Funeral of the Prince Consort
134 Thanksgiving Day, Interior of St. Paul's
135 The Queen and the Shah—Review in Windsor Great Park
136 Egyptian War—Charge of Guards at Kassassin
THE DIAMOND JUBILEE PROCESSION.

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1. The decorations in the Strand; Lloyd’s and Twinning’s Banks.
2. Temple Bar Memorial decorated.
3. The crowds viewing the preparations in Fleet Street the day before the procession.
5. Colonial Troops; The Malay States Guides, Malay Armed Police, British North Borneo Police, Hong Kong European Police, Hong Kong Police Sikhs, Hong Kong Chinese Police, and Ceylon Volunteers passing through Trafalgar Square.
7. Her Majesty the Queen, in State Carriage, with Princess of Wales, and Princess Christian, passing the Peers’ Seats outside the National Gallery.

8. The presentation of the City Sword at Temple Bar, the entrance to the City. The Lord Mayor is just retiring after the Presentation. The Queen’s face is very well seen in this slide.
9. After the Presentation. The Lord Mayor mounted on horseback, carrying the Pearl Sword, preparing to precede Her Majesty through the City. The Prince of Wales and the Duke of Cambridge in attendance on the Queen are seen on horseback just behind the carriage.
10. The Law Courts Branch of the Bank of England just after the procession has passed, showing the “Times” correspondent in his stand writing despatches.
11. The Ceremoney at St. Paul’s Cathedral, shewing the Queen’s carriage and the eight cream-coloured horses; the choir and massed bands on the steps, and the Princes on horseback.
12. The Queen’s carriage at the foot of the steps with the surrounding clergy. In this picture the figures are larger, and the Archbishop of Canterbury and many others can be easily recognised.

THE FUNERAL OF HER LATE MAJESTY
QUEEN VICTORIA.

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17. " " " The Funeral Car entering Paddington Station (photo).
18. " " " The King and the Royal Mourners entering Paddington Station (photo).
19. The Bluejackets marching to the Railway Station at Windsor (photo).
20. The Bluejackets drawing the Gun Carriage from the Railway Station (photo).
21. The Bluejackets drawing the Gun Carriage in the Quadrangle at Windsor.
22. The Queen’s last Journey. The Guards and the Funeral Cortège leaving Windsor for Frogmore.
DELHI AND THE DURBAR, 1903.

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THE DURBAR.
1 H.R.H. the Duke of Connaught leaving Victoria for India.
2 Coppernagbad, ship and naval escort to India. (H.M.S. "Sti"lita," "Rennowus," "Hogue,"
3 Building a Triumphal Arch at the Mori Gate.
4 Impetus to native industries. Natives making the Durbar dresses and Elephanta trappings at the principal embroidery factory where Coronation Robes were made for Queen Alexandra.
5 Rehearsals and preliminaries. Lord Kitchener’s Camp; a general view.
6 Types of the Retainers of the ruling Chiefs.
7 A Typical Reception. The viceroy’s officials welcoming the Maharajah of holkar.
8 Homage of a native prince to the viceroy and Duke of Connaught, January 1st.
9 The viceroy’s entry into Delhi. Lord and Lady Carson and the Duke and Duchess of Connaught mounting their state Elephants.
10 Theatre erected for the durbar.
11 State arrival of the viceroy in the arena.
12 State entry of the viceroy and the Duke of Connaught.
13 Proclamation on New Year’s Day.
14 Native chief retainers at Delhi.
15 Gold gun of the Galkawar of baroda passing the viceroy’s dais.

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22 Various services at the Coronation Banquet.
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24 The excommunication addressed to Edward IV.
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28 The procession from the Abbey to the Hall at the coronation of Richard III. and Anne of Warwick, drawn by Allan Stewart.
29 The Recognition at the Coronation of Henry VII., Sunday, October 30, 1485, drawn by Allan Stewart.
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31 The coronation of Edward VI., Shrove Sunday, February 24, 1547.
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37 The presentation of the Bible at the Inauguration of Oliver Cromwell as Lord Protector, June 26, 1657, drawn by R. Caton Woodville.
38 The Informal Coronation of Henry VII. by Lord Stanley, on the battlefield of Bosworth, August 29, 1485.
39 The only uncrowned Queen Regnant of England; Lady Jane Grey signing her accession proclamation, July 10, 1553.
40 The last procession from the Tower; Charles II. and his retinue on Tower Hill, April 23, 1661.
41 The Scene of the Coronation, Westminster Abbey.
42 The first procession of St. John’s Queen Consort at the Coronation of James II. and Mary of Modena, on St. George’s Day, April 23, 1685.
43 The crowning of the Queen Consort at the Coronation of James II. and Mary of Modena.
44 The Oblation of the Sword by William III. and Mary II., April 11, 1669, drawn by T. Walter Wilson, R.I.
45 The first Oblation at the Coronation of Anne, St. George’s Day, April 23, 1702, drawn by A. Forestier.
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67 The first preliminary to the Coronation Oath. His Majesty signing the declaration for the security of the Church of Scotland, January 25, 1601.
68 The proclamation of the date of the Coronation by the Common Crier of London, at the Royal Exchange, December 12, 1911.
69 A sitting of the Court of Claims Westminster.
70 The first preliminary to the Coronation Oath, King Edward signing the Declaration under the Test Act at his first meeting with his Parliament, February 14, 1901.
71 The Imperial Bodyguard: Types of the Soldiers of the Empire, from the painting by G. Amato.
72 The Coronation ceremony of 1902. The position of King Edward VII. during the act of crowning, drawn by S. Begg.
73 The Coronation ceremony of 1902. The position of Alexandra, Queen Consort, at her Inthronisation.
74 The Famous Coronation Legends, drawn by G. Amato—.
75 The Legend of the King of Edward the Confessor.
76 The Legend of the Coronation of Our Lord Jesus Christ.
78 The Legend of the Coronation Stone.
76 The Legend of Westminster Abbey.

T.H.E CORONATION OF KING EDWARD VII.

The first 26 are all taken from the original drawings made for the Illustrated London News Special Number.

1 Emblematic Frontispiece.
2 The Guardians of the Realm.
3 The Start of the Coronation Procession; their Majesties in their State Coach leaving Buckingham Palace.
4 The State Procession to Westminster Abbey; their Majesties passing the Gardens of Marlborough House on their way down the Mall.
5 The arrival at the Abbey; the King at the door of the Annexe at the West Entrance.
6 The First Act of the Abbey Ceremonial; the Reception of their Majesties in the Annexe by the Dean and Chapter.
7 The Ceremony in Westminster Abbey; the Procession entering by the Great West Door.
8 The Ceremony in Westminster Abbey: the Queen’s Procession passing up the Nave.
9 The Ceremony in Westminster Abbey; the King’s Procession passing up the Choir.
10 The formal Acceptance of the British Sovereign; the Arch Bishop of Canterbury presenting His Majesty for Recognition by his People.
11 The Ceremony in Westminster Abbey; King Edward taking the Oath.
12 The most Sacred Ceremony of the Coronation Ritual; the Anointing of the King.
13 The First Act of the Abbey Ceremonial; the Procession in Westminster Abbey. The Crowning of King Edward by Archbishop Temple.
14 The Acknowledgment of the Sovereign’s Supposed after his Crowning. The Prince of Wales paying His Homage.
15 The Coronation of Queen Alexandra. The Archbishop of York preparing to perform the Ceremony.
16 The Coronation of Queen Consort. The Crowning of Queen Alexandra by the Archbishop of York.

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17 The Coronation of Edward VII. and Queen Alexandra in Westminster Abbey, August 9, 1902. The Scene in the Abbey.
18 The First Religious Act after the Coronation of the King and Queen. Their Majesties taking the Holy Communion.
19 The Conclusion of the Abbey Ceremonial. The departure of their Majesties from Westminster.
20 Coronation Representatives from the British Dominions beyond the Seas. Colonial and Indian Troops passing under the Canadian Arch.
21 The Hero of Haarlemburg and Pretoria. Earl Roberts passing King Charles' Statue at Charterhouse Cross.
22 The South African Peace-Maker in the Coronation Procession. Lord Kitchener passing the War Office.
23 The Nobility of India in the Emperor's Coronation Procession. The Indian Honorary Aides-de-Camp to the King passing St. James' Street.
24 The Peer Apparent and His Consort in the Coronation Procession. The Prince and Princess of Wales passing St. James' Street.
26 Coronation Night at Spithead. The Illumination of the Fleet assembled for the Coronation Review.
27 Proclaiming the King at Temple Bar.
28 Trappers gathering Furs for the Coronation.
29 Thanksgiving for Peace, June 8, 1902. Their Majesties in their Carriage, Temple Bar.
30 Thanksgiving for Peace, June 8, 1902. Presenting the Sword of the City to King.
31 Thanksgiving for Peace, June 8, 1902. The Crowd at Temple Bar one minute after the King and Queen's departure.
32 Thanksgiving for Peace, June 8, 1902. The Crowd at Temple Bar two minutes after the King and Queen's departure.
33 The Grand Torchlight Tattoo before the King at Aldershot, June 14.
34 The Strand, showing C.C. Stand and Decorations.
35 The Stand of St. Clement Danes' Church in the Strand.
36 Decorations in the Strand.
37 Fleet Street, showing Decorations and Crowd, looking East towards Chancery Lane.
38 Procession of Vehicles outside Law Courts.
39 A Decorated House in Parliament Street.
40 The Canadian Arch in Whitehall.
41 The Heraldo Arch at bottom of Whitehall.
42 The King's return to London just before his illness.
43 The King’s Dinner to the Poor. Ticket of Admission.
44 " " Copy of National Anthem presented to the Guests.
45 " " Menu Card (Borough of St. Pancras).
46 " " The Presentation Mug, showing Portraits of King and Queen.
47 " " The Presentation Mug, June, 1902.
48 " " Presentation Mug showing both sides.
49 " " The Chocolate Box.
50 " " The Guests cheering the Prince and Princess of Wales at Bishop's Park, Fulham.
51 " " Presentation of a Gold Cup to Prince Edward by Master Jack Aird.

52 Indian Troops' sympathy for the King. Scene at Calais.
53 The Queen at Ascot, Coronation Year.
54 The Coronation Review at Aldershot.
55 The Queen opening the Bazaar at Regent's Park, July, 1902.
56 Lord Salisbury's Coronation Garden Party.
57 The King's Yacht at Anchor in Cowes Roads.
58 The King holds a Privy Council on Board his Yacht.

59 H.M. the King in His Coronation Robes.
60 H.M. the Queen in Her Coronation Robes.
61 The Annexe Chapel at Westminster (built for the Coronation).
62 Portraits of Bishops who assisted at the Coronation.
63 Procession of Edward IV. on His Coronation Day.
64 Sons of the Empire at the Coronation.
66 Illuminations at the Royal Exchange.
67 Piccadilly Illuminated.
68 The King's Procession in Parliament Square, bearing the Abbey.
70 " " Interior.
71 " " General View across the Transept looking N.E., showing the Thrones, &c.
72 " " General View across the Transept looking E., showing the Thrones and Royal Boxes.
73 " " The Two Thrones and the Front of the Royal Arch of Searchlights.
74 " " General view of Choir, looking E.
75 " " General view of Choir, looking W.
76 " " Nave, looking W., showing the crowd of Sightsseers.
77 " " Shrine of Edward The Confessor, and the Retiring Rooms.
78 The Silver Coinage.
79 The King's kindly help to the aged Archbishop.
80 Coronation Night. Illuminations in London. The scene in Cockspur Street looking towards Trafalgar Square.
81 The Supreme Moment of the Coronation Ceremony. The Archbishop of Canterbury Crowned King Edward VII. in Westminster Abbey, August 9, 1902.
82 Coronation Night at Portsmouth. The Navy's Triumphal Arch of Searchlights.
83 The Illuminations in the West End, Marlborough House and Pall Mall from St. James' Street.
84 King Edward VII.'s Crown.
85 The Royal Yachts, showing Orb, Sceptre, Spoon, Ring and Crown.

The Coronation Naval Review.
86 The King on Board the Victoria and Albert leaving Portsmouth for Cowes.
87 Visitors passing down the Lines.
88 The Royal Salute at the approach of His Majesty's Yacht.
89 The coming of the King. The firing of the Royal Salute as soon from the Japanese flagship Asama.
90 His Majesty's Yacht the Victoria and Albert, with the King on Board, passing through the Lines.
91 The Fleet assembled at Spithead (sails thin long, plain, 4s. lid., coloured, 244).
92 The King's care for his Bluesjackets: His Majesty signalling "USSman Ship'.
93 A contest of the Elements.
94 The Last Act. The Midnight Salute.
95 The Disposal of the Fleet.
96 The Fleet under way off St. Helen's, the vessels passing His Majesty's Yacht.
97 Royal Review of Indian Troops before Queen Alexandra, July 2, 1902.
98 Royal Review of Colonial Troops by the Prince of Wales.

Visitors to the Coronation (Humorous).
99 From Whitechapel.
100 The City youth shown his country cousins round the town.
101 From the country.
102 From Bonnie Scotland.
103 From New York.
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1. Portraits of Queen Victoria and the Prince Consort.
2. The Christening of the Prince of Wales.
3. The Family of Queen Victoria in 1858.
4. The Prince of Wales in 1860.
6. Entry of the Princess Alexandra into the City, 1863.
7. Marriage of the Prince of Wales.
10. Queen Victoria proclaimed Empress of India, 1877.
12. Queen Victoria's Jubilee Procession. 1887.
13. Portrait of Queen Victoria in 1887.
14. The Princess of Wales in 1887.
15. The Prince of Wales in 1888.
17. Queen Victoria's Visit to Ireland. The Lord Mayor of Dublin presenting the Keys of the City to Her Majesty.
19. The Prince of Wales presenting Medals to the Guards.
20. The Death of Queen Victoria. Lying in State in the Chapel at Osborne.
21. The Funeral Procession starting from Osborne.
22. The King and the Kaiser following in the Procession through London.
23. The Funeral Procession. The King at Hyde Park Corner.
24. Proclaiming the King at St. James's Palace.
25. Proclaiming the King at Temple Bar.
26. The King's First Council.
28. The King meeting the Kaiser at Friedrichshof.
29. The King meeting the Kaiser and the Empress Frederick at Friedrichshof.
30. The Distribution of Maudny Money. April, 1901.
31. Queen Alexandra's first public act. Reception of Nurses.
32. His Majesty's First Court.
33. The King opening Parliament. Procession passing through the Horse Guards' Gates.
34. Scenes and Incidents.
35. T.M. the King and Queen, with the Prince and Princess of Wales, opening Parliament.
36. The King presenting New Colours to the 3rd Scots Guards.
37. The Royal Review of Indian Troops by the Queen.
38. The Royal Review of Colonial Troops by H.R.H. the Prince of Wales.
40. "Presenting the Sword of the City to the King.
41. "The Crowd at Temple Bar one minute after the King and Queen's Departure.
42. The King's Return to London before his illness.
43. The Coronation Ceremony. The Crowning by the Archbishop of Canterbury.
44. The King in his Coronation Robes.
45. The Queen in her Coronation Robes.
46. "Sons of the Empire" at the Coronation.
47. The King's Dinner to the Poor. The Guests cheering the Prince and Princess of Wales.
48. The Queen opening the Bazaar in Regent's Park.
49. Lord Salisbury's Garden Party.
50. The King's Yacht at Anchor in Cowes Road.
51. The King holding a Privy Council on his Yacht.
52. The Illumination Scenes in Cockspur Street.
53. The Naval Review. The Yacht "Victoria and Albert" passing down the lines.
55. King Edward's Regalia, showing the Orb, Sceptre, Spoon, Ring, and Crown.

The King's Procession through London.
56. Clearing the Street. Scenes at Temple Bar (from instantaneous photographs).
57. Lord Mayor and Sheriffs on horseback waiting for the King.
59. The Lord Mayor presenting the Civic Sword to the King.
60. T.M. King and Queen in their carriage waiting for the Lord Mayor to head the Procession.
61. The following are from drawings:
62. The Procession passing through the Park.
63. The Procession passing through the Park. Panorama. (Slide 8ln. long.) Plain, 4s., 6d.; painted, 21s.
64. The Reception at Temple Bar. The Lord Mayor presenting the Civic Sword.
65. Royal Field Artillery firing a Salute at the Tower as His Majesty entered the City.
66. King Edward VII at the Guildhall Banquet. The Toast of His Majesty's Health.
67. T.M. the King and Queen at the Health Thanksgiving Service at St. Paul's Cathedral. October 26th, 1902.
68. The King laying the Keel Plate of H.M.S. "Queen."
69. The Queen laying H.M.S. "Devonport.
70. The King laying the Foundation Stone of the Royal Naval College, Dartmouth.
71. The King and Queen visiting the Hospital Ship at Portsmouth.
72. The King's Tour. His Majesty at Lisbon. The State Visit to the Opera.
73. "The Tournament or Bull Fight at Lisbon.
74. "Arrival at Malta.
75. "The King visiting Pope Leo XIII.
76. "Banquet given by the Emperor of Austria.
78. His Majesty at the State Opera Performance at Covent Garden.
79. "Presenting Colors to the Irish Guards.
80. "Presenting Medals to the Guards from South Africa.
81. H.R.H. the Prince of Wales conferring the Degree of Doctor of Music on the Princess of Wales.
82. "Voyage on the "Ophir." Farewell Luncheon on Board.
83. "Voyage on the "Ophir." Arrival at Malta.
EVENTS IN THE LIFE OF KING EDWARD VII.—Continued.

84 H.R.H. the Prince of Wales. Voyage of the "Ophir." Arrival at Quebec.
85 Voyage on the "Ophir." Return of the Prince of Wales, and his wife, to London.
86 Voyage on the "Ophir." Return, Prince and Princess passing through Piccadilly on their way to the Banquet.
87 at the Guildhall.
88 T.R.H. the Prince and Princess of Wales at the Banquet. The Prince delivering his great Speech on Colonial Defence.
89 The Visit of the King and Queen of Italy. The Yacht "Victoria and Albert." arriving at Portsmouth.
90 The Welcome by the King and Queen at Windsor Station.
91 The State Banquet at Windsor.
92 A Command Performance of "David Garrick" by Sir Charles Wyndham's Company.
93 The King at the Dinner at The Middle Temple. Nov. 2nd, 1903.
94 The Queen and Prince of Wales at the Centenary Service of the Bible Society.
95 The King and Queen's Tour in Ireland. Repeating to an Address at Galway Station.
96 The Reception in St. Patrick's Hall, Dublin.
97 The Queen visiting the Hospital for the Dying, Dublin.
98 At Punchestown Races.
99 The King's Yacht and her Escort in Killary Bay.
100 The Visit to Eton. The King in his State Barge.
101 The Queen's Tour. Her Majesty on Donkey Back in Cork Woods, near Algeciras.
102 The Visit of the King and Queen of Portugal. The Banquet at Windsor.
103 The Visit of President Louhet. The King and the President passing down St. James's Street.
104 The State Performance at the Opera House.
105 The Prince and Princess of Wales' Visit to India. The State Entry into Calcutta.
106 The Mervyns Dance.
107 The Banquet to the King of Spain at the Guildhall. June, 1905.
108 The King placing the Medal for Valour on the Muir, at Aberdeen.
109 The Banquet to the Kaiser at the Guildhall. 1907.
110 The King's Visit to the Duke of Devonshire at Eastbourne.
111 The King and Prince Edward in Crathie Church.
112 responding to the People's Greetings at Ballater.
113 at the Smiling Concert of the Royal Amateur Orchestral Society.
114 leaving for a motor ride at Homburg.
115 opening the Birmingham Waterworks at Craig Gock, N. Wales.
116 leaving Wollerton for Sandringham in his Motor-car.
117 in his Motor-car in the Country.
118 watching Highland Dancing at Braemar.
119 out Driving in Scotland by the Dee.
120 Deer Shooting in Scotland.
121 visiting Dr. Finsen at Copenhagen.
122 and Royal Circle at a Garden Party at Windsor. A Presentation to the Queen.
123 at the Temple Flower Show.
124 and Queen leaving Church at Sandringham.
125 and Queen at the Hospital Sunday Service at St. Paul's.
126 at the Smithfield Cattle Show.
127 and his Guests on Board his Yacht "Britannia."
128 The Prince of Wales at St. Bartholomew's Hospital.
129 and the Housing Problem. A Visit to Sir Thomas More Buildings, Chelsea.
130 and Princess's State Ball at Marlborough House.
131 at a Royal Academy Banquet.
132 reviewing a Guard of Honour of the Cameron Highlanders at Ballater.
133 The Prince and Princess of Wales at the Dedication Service on the Completion of Truro Cathedral.
134 The Prince of Wales at the Banquet to Lord Kitchener on his return from South Africa.
135 The King and his Subjects. A Holiday Scene in the Presence Chamber at Windsor Castle.

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23 Mace of the House of Commons. 1667.
25 The Six Lords pleading in Westminster Hall.
1716. [ministration]
26 The House of Commons in Walpole’s Ad.
27 In Place.” Satire on Walpole. 1738.
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44 Wellington reading the Militia Bill in the House of Lords. 1806.
45 Queen Victoria’s First Council.
46 Queen Victoria opening Parliament.
47 The House of Commons. (J. Phillips.) 1860.
48 The Gladstone Ministry in Council. 1889.
49 Lord Salisbury addressing the House of Lords. 1890. [1894.
50 Gladstone speaking on the Home Rule Bill.
51 Village Politicians. (Wilkie.)
52 King Edward VII. in Council.
53 King Edward VII. and Queen in State Coach, on the Way to the Houses of Parliament, arriving at Victoria Tower.
54 “King Edward VII. and Queen passing along Royal Gallery.
55 King Edward VII. signing his Adherence to the Protestant Religion.
56 ‘and Queen on the Throne.
57 “reading his Speech from the Throne.
58 “A Legacy of Guy Fawkes. The Yeoman of the Guard searching the Vaults.
59 The Speaker taking the Chair at Meeting of Parliament.
61 A Sitting in the House of Lords. The Lord Chancellor speaking.
62 The Trial of Lord William Russell. 1901.
63 A Sitting of the Cabinet Council.

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7 “And earth is covered thick with other clay”
8 The Field of Waterloo

Cowper.

1 Portrait
2 Cowper’s House, Olney, where he wrote “The Task”
3 Olney Church
4 Westron Lodge
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3 Act 5, Scene 1
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Two Gentlemen of Verona.

4 Act 5, Scene 4
"Ruffian, let go that rude, uncivil touch"

Merry Wives of Windsor.

5 Act 1, Scene 1
"The Knight, Sir John, is there"

6 Act 1, Scene 1
"Here comes fair Mistress Anne"

7 Act 1, Scene 1
"The dinner stands, sir!"

8 Act 2, Scene 1
"Oh, that my husband saw this letter!"

9 Act 2, Scene 3
"Help to cover your master, boy"

10 Act 4, Scene 2
"Out of my door, you witch!"

11 Act 5, Scene 2
"Fairies black, grey, green, and white"

Twelfth Night.

12 Act 3, Scene 4
"Why dost thou smile on and kiss thy hand so oft?"

13 Act 3, Scene 4
"Why, man, he is a very devil"

14 Act 5, Scene 1
"A contract of eternal bond of love"

15 Act 5, Scene 1
"Bade me come smiling and cross-gartered to you"

Measure for Measure.

16 Act 3, Scene 1
"My name is Elbow"

17 Act 5, Scene 1
"Thou art the first knee that e'er made a duke"

Much Ado about Nothing.

18 Act 3, Scene 1
"So angle we for Beatrice"

19 Act 4, Scene 1
"Hath no man's dagger here a point for me?"

20 Act 4, Scene 2
"Which be the malefactors?"

Midsummer Night's Dream.

21 Act 4, Scene 1
"Come, sit thee down upon this flowery bed"

Love's Labour Lost.

22 Act 4, Scene 1
"Was that the king that spurred his horse so hard?"

Merchant of Venice.

23 Act 2, Scene 5
"Shut doors after you; fast hind, fast find"

24 Act 5, Scene 3
"Here will we sit, and let the sounds of music creep in our ears"

As you Like it.

25 Act 1, Scene 2
"Wear this for me!"

26 Act 2, Scene 1
"Tongues in trees, books in the running brooks?"

27 Act 2, Scene 7
"At first, the infant"

28 Act 3, Scene 7
"And then the whining schoolboy"

29 Act 2, Scene 7
"And then the lover, sighing like a furnace"

30 Act 3, Scene 7
"Then a soldier, full of strange oaths"

31 Act 2, Scene 7
"And then the justice"

32 Act 2, Scene 7
"The lean and slippered pantaloon"

33 Act 2, Scene 7
"Sams everything"

34 Act 4, Scene 3
"Give battle to the lioness"

35 Act 5, Scene 4
"To you I give myself, for I am yours"

All's Well that Ends Well.

36 Act 5, Scene 3
"Is't real, that I see?"

Taming of the Shrew.

37 Induction, Scene 2
"Look how thy servants do attend on thee!"

38 Act 1, Scene 2
"I will he master of what is my own"

39 Act 4, Scene 3
"I'll none of it"

Winter's Tale.

40 Act 2, Scene 3
"Swear by this sword"

41 Act 3, Scene 3
"I am gone for ever"

42 Act 4, Scene 3
"He hath ribands of all colours? the rainbow"

43 Act 5, Scene 3
"If this be magic, let it he an art lawful as eating"

The Comedy of Errors.

44 Act 5, Scene 1
"Justice, most sacred Duke, against the Ahhess's"

Macbeth.

45 Act 1, Scene 3
"Say . . . why upon this blasted heath you stop our way"

46 Act 1, Scene 6
"Come, come, you spirits"

47 Act 4, Scene 1
"What is this, that rises?"

King John.

48 Act 4, Scene 1
"O, save me, Hubert"

Richard II.

49 Act 4, Scene 1
"Give me the Crown"

50 Act 5, Scene 3
"God save thee, Bolingbroke!"

Henry IV. Part I.

51 Act 2, Scene 2
"Your money!"

52 Act 2, Scene 4
"This chair shall be my State; this dagger my sceptre; and this cushion my crown"
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SCENES FROM SHAKESPEARE'S PLAYS—Continued.

Coriolanus.
79 Act 5, Scene 3
"My wife comes foremost"

Julius Cæsar.
80 Act 4, Scene 3
"Why comest thou?"

Antony and Cleopatra.
81 Act 3, Scene 4
"A more unhappy lady...never stood between
praying for both parts!"

82 Act 5, Scene 2
"Now, hoarseness, death! In thy possession
lies a less unparallel'd"

83 Act 5, Scene 2
"She looks like sleep!"

Cymbeline.
84 Act 1, Scene 2
"Hence, from my sight!"

85 Act 3, Scene 3
"Do thou thy master's bidding!"

86 Act 3, Scene 6
"Best draw my sword; and if mine enemy but
fear the sword like me, he'll scarcely look
on't!"

Titus Andronicus.
87 Act 4, Scene 1
"Help, grandsire, help!"

King Lear.
88 Act 1, Scene 1
"Be Kent unmann'ry, when Lear is mad!"

89 Act 3, Scene 4
"I ventured to come seek you out"

90 Act 4, Scene 7
"How fares your Majesty?"

91 Act 5, Scene 8
"The one the other poisoned.....and after slew
herself"

Romeo and Juliet.
92 Act 1, Scene 5
"Uncle, this is a Montague, our foe"

93 Act 3, Scene 4
"Now, Nurse, what news?"

94 Act 5, Scene 5
"Help, help! My lady's dead"

95 Act 6, Scene 8
"Where is my Romeo?"

Hamlet.
96 Act 1, Scene 4
"Angels and ministers of grace, defend us"

97 Act 3, Scene 2
"Madam, how like you this play?"

98 Act 4, Scene 5
"Do you see this?"

Othello.
99 Act 1, Scene 3
"She loved me for the dangers I had passed"

100 Act 2, Scene 1
"Ye men of Cyprus, let her have your knees!"

101 Act 5, Scene 3
"She must die!"

102 Shakespeare nursed by Comedy and Tragedy

103 The Alto Relievo in front of the Shakespeare
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Life of Shakespeare, see Index.

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Crossing the Bar.
9 "And may there be no meaning of the bar
When I put out to sea"
10 "Twilight and the evening bell,
And after that the dark"

Idylls of the King.
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11 Introduction. Medallion of Tennyson surrounded by characters from the "Idylls!"

GERMAIN AND ENID,
12 "And high above a piece of turret stair,
Worn by the feet that now were silent, wound
Bare to the Sun."
13 . . . "Hand in hand they moved
To the meadow where the jousts were held."
14 "First, thou thyself, thy lady, and thy dwarf,
Shall ride to Arthur's court."
15 "And Enid stood aside to wait the event."
16 "He, when the fair-haired youth came by him said,
'Friend, let her eat; the damsel is so faint."
17 But at the flash and motion of the man,
They vanished, panic-stricken.
18 . . . "Up, then, and go before me
Upon her, and she wept beside the way."
19 . . . "Like a ball
The russet-bearded head rolled on the floor."
20 . . . "She cast her arms
About him and at once they rode away."

LANCELOT AND ELAINE.
21 . . . "And from the skull the crown
Rolled into light."
22 . . . "He saw
Fried from the west, far on a hill, the towers"
23 . . . "The lily maid Elaine,
Won by the mellow voice before she look'd,
Lifted her eyes, and read his lineaments."
24 . . . "He look'd and . . . saw
The maiden standing in the dewy light."
25 "So day by day she past
In either twilight, ghostlike to and fro.
26 "So those two brethren from the chariot took
And on the black decks laid her in her bed."
27 "She did not seem as dead
But fast asleep, and lay as tho' she smiled."
28 . . . "And ever in the reading, lords and dames
Wept."
29 "And Lancelot answer'd nothing, but he went,
And at the running of a little brook
Sat by the river in a cave."

MERLIN AND VIVIAN.
30 "At Merlin's feet the wily Vivien lay."
31 "And touching Breton sands, they disembark'd."
32 "And then she follow'd Merlin all the way
E'en to the wild woods of Broceliand."
33 . . . "As the first question rose
About the founding of a Table round."
34 "And all day long we rode
Thro' the dim land, against a rushing wind."
35 "And speaking not, but leaning on him
I took his brush and plotted out the bird."
36 "And pushing his black craft among them all
Helligly scatter'd there, and brought her off."
37 "At last they found—his foragers for charms—
A little glassy-headed hairless man."

38 "For Merlin, overtalk'd and overwon,
Had yielded, told her all the charm and slept,"

GUINEVERE.
39 "And then they rode to the divided way,
There kiss'd, and parted weeping."
40 . . . "But all the time over him
Fled all night long by glimmering waste and wood."
41 "O pray you, noble lady, weep no more."
42 "Will the child kill me with her innocent talk?"
43 . . . "Three spirits mad with joy
Came dashing down on a tall wayside flower."
44 "And still at evenings on before his horse
The fiddler's fairy-circle wheel'd and broke."
45 "They found a naked child upon the sands
Of dark Dunsagil by the Cornish sea
And that was Arthur."
46 "They
Rapt in sweet talk or lively, all on love . . .
Rode under groves that look'd a paradise
Of blossom."
47 "He paused, and in the pause she swept an inch nearer,
And laid her hands about his feet."

The Passing of Arthur.
47a "So like a shattered column lay the King" 1/6

LANCELOT AND ELAINE.
48 Statue: "Elaine the fair, Elaine the lovable; Elaine, the lily maid of Astolat."
48a . . . "The dead
Oar'd by the drum, went upward with the flood" 2/.

SIR GALAHAD.
48b "Between dark stems the forest glows,
"Her desire, her name alone;"
"Her desire, her name alone;"
48c "All armed I ride, whatever betide,
Until I find the Holy Grail" 2/.

Charge of the Light Brigade.
49 "Rode the six hundred"
50 "Flashed all their sabres bare"
51 "But not, not the six hundred"

LADY GODIVA.
52 "Took the tax away and built herself an ever lasting name."

THE BROOK.
53 "I chatter over stony ways
In little sharps and trelashes"
54 "With many a curve my banks I fey,
By many a field and fallow;"
55 "I chatter, chatter, as I flow
To join the brimming river"
56 "I wind about and in and out,
With here a blossom sailing;"
57 "With many a silver water-break
Above the golden gravel"
58 "And draw them all along and flow
To join the brimming river"
59 "I steal by lawns and grassy plots
I slide by hazel covers;"
60 "For men may come and men may go,
But I go on for ever."

"BREAK, BREAK, BREAK."
61 "Break, break, break,
On thy cold gray stones, O sea!"
62 "O well for the sailor lad,
That he bings in his boat on the bay."
63 "And the stately ships go on
To their haven under the hill"
64 "Break, break, break,
At the foot of thy crags, O sea!"

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68 The Children, Enoch, Philip and Annie, on the shore. "A narrow caue ran in beneath the cliff"
69 Scene: A Bank at the edge of the Wood. "Enoch and Annie sitting hand in hand."
70 Scene: In the Wood. "Philip, like a wounded life, crept down into the hollows of the wood."
71 A Cottage Scene: Interior of a Bedroom. Annie with her children, "The rosy idol of her solitude."
72 Enoch's Boat on the Beach. "To sell the boat—yet let be her well."
73 Enoch bids farewell. "Enoch rose, cast his strong arms about his dropping wife, and kissed his wonder-stricken little ones."
74 Annie watching by the bedside of her little boy. "Yet slicklier, the mother cared for it with all a mother's care."
75 So be it. Annie sitting on a bank by the side of the wood. Philip coming closer, spoke, "O, Annie, it is beyond all hope, against all chance."
76 Scene: The Cottage Bedroom. Annie retired to rest. "At last one night it chanced that Annie could not sleep, but earnestly prayed for a sign; my Enoch, is he gone?"
77 Effect for No. 74. She dreams "When lo! her Enoch sitting on a height under a palm tree."
78 Enoch's ship in Canton Harbour, where he "bought quaint monsters for the market of those times; a gilded dragon, also, for the baby."
79 The Storm at Sea. Ship wrecked on the breakers. "The crash of ruin, and the loss of all but Enoch and two others."
80 Enoch and two others east on the Island. "The mountain wooded to the peak."
81 Enoch watching for a sail. "The blaze upon the waters to the East."
82 Enoch on board ship on his way home. "Moonlight scene. "Drew in the dewy, meadowy morning breath of England."
83 Enoch returns to the village. "Creep still downward, thinking, 'Dead, or dead to me!'"
84 Interior of Philip's house. "Philip, the slighted suitor of old times, stout, rosy, with his babe across his knee."
85 Enoch having seen the group from outside. "So that falling prone he dug his fingers into the wet earth and prayed."
86 Enoch in the Village Churchyard. "And wrought the boatmen fishing nets."
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7. Where heaves the turf in many a mouldering
8. Of old did the harvest to their sickle yield; [heap.
9. Their furious oft the stubborn glebe has broke
10. The paths of glory lead but to the grave. I vaunt
11. Where through the long-drawn aisle and fretted
12. The pealing anthem sweeps the noise of praise.
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8. Burial of Sir John Moore. Standing round his grave
9. "" "" ""We left him alone in his glory"
10. Ye Mariners of England—"Your glorious Standard launch again"
11. "" "" ""And sweep through the deep"
12. "" "" ""While the stormy winds do blow"
13. "" "" ""With thunders from her native oak she quells"
14. The Night before Waterloo. The Ball Room
15. The Field of Waterloo. Street in Brussels
16. "" "" """"And wild and high the Cameron's gathering rose!"
17. "" "" ""And earth is covered thick with other clay, Rider, horse,—friend,—foe,—in one red burial blent"
18. Charge of the Light Brigade—"Rode the six hundred"
19. "" "" """"Flashed all their sabres bare""
20. "" "" """"Then they rode back, but not, not the six hundred"
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32 On the Wiltshire Avon
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2 Davy Peggotty. "He stood, long after I had ceased to read, still looking at me."
3 Uriah Heep. "I am well aware that I am the 'unblameable person going, let the other be where he may.'"
4 Wackford Squeers. "Let any boy speak a word without leave and I'll take the skin off his back."
5 Fagin ("Oliver Twist"). "He had only one more night to live. He had spoken little... He had sat there awake, but dreaming. Now he started up every minute, and, with gasping mouth and burning skin, hurried to and fro, in such a paroxysm of fear and wrath, that even they—used to such sights—recalled from him with horror."
6 Bill Sikes ("Oliver Twist"). "None of your 'Mistering,' you always mean mischief when you come that. You know my name—Bill Sikes! out with it. I shan't disgrace it when the time comes."
7 Mr. Mantalini ("Nicholas Nickleby"). "My dear, will you follow me? Ha! ha! They all follow me, Nickleby; always did, demmit always."
8 Newman Noggs ("Nicholas Nickleby"). "Nickleby! I served you faithfully, I served you because I was proud; because I was a lonely man with you, and there were no other drudges to see my degradation; and because nobody knew better than you that was a 'ruined man—that I hadn't always been what I am."

9 The Grandfather ("The Old Curiosity Shop"). "He never told them what he thought, or where he went. He would sit with them at night, pondering with a secret satisfaction, and still they would hear him whisper in his prayers, 'Lord, let her come toorrow.'"
10 Sergeant Buzfuz ("Picklewick Papers"). "Sergeant Buzfuz now rose with more importance than he bad yet exhibited, if that were possible, and said 'Call Samuel Weller.'"
11 Montague Figg ("Martin Chuzwell"). "And so, sir, for myself, who have no claim upon you, but for my crumby, my sensitive and independent friend, who has—I ask the loan of three half-crowns, distinctly and without a blush. I ask it almost as a right."
12 Barnaby Rudge. "Ha, ha! Why how much better to be sily than as wise as you! you don't see shadowy people there, like those that live in sleep—not you. . . . I lead a merrier life than you with all your cleverness."

The following are particularly fine character drawings by F. Barnard.

13 Sidney Carton
14 Bill Sykes
15 Mr. Micawber
16 Sairey Gamp
17 Betsey Trotwood
18 Uriah Heep

Nos. 19 and 20 are from drawings by James Craig.
19 Trotty Veck and Toby ("The Chimes"). "It's Tripe!"
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26 Christmas at the Lych Gate
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28 Hoar Frost
29 On the heels of the Law. A Christmas spill
30 A Woodland Christmas
31 Heavy snow

CHRISTMAS AMONG THE BIRDS.

35 Partridges in Winter
36 Sparrowhawk raiding a flock of Oystercatchers
37 Reynolds Christmas dinner

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45 Christmas in the Backwoods. Toast to "Absent Friends"
46 North American Indians breaking "The Truce of God," murderous intruders at the Christmas feast
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53 The Christmas-box. A prehistoric Christmas Turkey

55 "A Merry Christmas to you all"

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17 "I stretched out my hand to seize it."
18 "Then my mates came in and whispered."
19 "For there by the bedside."
20 "He's allus the first aboard her when the lifeboat wants a crew."

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52. Christ in the Garden of Olives (Joseph Aubert).
53. Gethsemane: Head of Christ (Suffet).
54. Christ: "Behold the Man!” (Ary Schefter).
56. Christ at the Column (Fouquet).
57. Christ Crowned with Thorns (Jeaufred).
58. " Hail, King of the Jews!” (Perier).
59. The Man of Sorrows (Burman).
60. The Path of Thorns: On the Way to Calvary (Burman).
61. Jesus Carrying the Cross (Charles le Brun).
62. " " (Liseur).
63. Christ Meeting His Mother (Bouguereau).
64. La Santa Far: The Holy Face (Mudillo).
65. The Martyrdom of Jesus of Nazareth on the Cross (Morot).
66. The Crucifixion (Bouguereau).
67. Christ on the Cross (Velasquez).
68. Calvary (Mantegna).
69. Christ on the Cross (Delacroix).
70. The Last Hour of Christ (Carolius Duran).
71. Mary at the Foot of the Cross (Aubert).
72. Grief of Mary Magdalene: At the Foot of the Cross.
73. Mary Receives the Body of Christ (Joseph Aubert).
74. Pieta (Polliere).
75. Mater Dolorosa: The Dead Christ (De Coninck).
76. Mary Returning from Calvary (Aubert).
77. Christ Mourned by the Holy Women (Sourel).
78. The Holy Women at the Tomb (Bouguereau).
79. Peter and John Running to the Sepulchre (Bur- man).
80. Raised to Heaven: The Apostles at the Tomb (Joseph Aubert).
81. Mary Sees Christ Resuscitated (J. Aubert).
82. The Disciples Going to Emmaus (Girardet).
83. The Supper at Emmaus (Girardet).
84. Christ at the Lake of Tiberias (Vereschagin).
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OLD TESTAMENT.

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2 Abraham and Isaac.
3 Pharaoh's Daughter with the Child Moses.
4 Moses (Michael Angelo).
5 Moses with the Law.
6 Moses Striking the Rock.
7 Gathering the Manna.
8 Michael and Satan.
9 David (Bernini).
10 " (Michael Angelo).
11 " the Shepherd with his Harp.
12 David and his Valiant Men.
13 "Poured it out unto the Lord."
14 Queen of Sheba's Visit to Solomon.
15 Eliphaz.
16 Daniel.
17 Ezekiel.

NEW TESTAMENT.

18 Madonna in Prayer (Bust).
19 The Madonna.
20 The Madonna and Child.
21 Simeon.
22 The Presentation in the Temple.
23 Christ with the Doctors.
24 "There standeth One among You."
25 John Baptising Christ.
26 Christ (Thorwaldsen).
27 The Miraculous Draught of Fishes.
28 "Blessed are they that mourn, for they shall be comforted."
29 The Comforter.
30 The Sower.
31 Christ Baptising.
32 "Come unto Me."
33 Christ Blessing the Loaves and Fishes.
34 Christ Feeding the Multitude.
35 The Disciples Distributing the Bread to the Multitude.
36 "As much as they would."
37 "Lord, save me."
38 Healing the Blind Man.
39 The Good Shepherd.
40 The Good Samaritan.
41 The Prodigal Son. "I will arise."
42 "His Father . . . kissed him."
43 "Father, I have sinned."
44 Dives and Lazarus.
45 The Unforgiving Servant.
46 Christ Blessing Little Children.
47 "The Ten Virgins."
48 The Last Supper.
49 "This is My Body."
50 In Gethsemane.
51 "Ministering Angel."
52 "Angels came and ministered unto Him."
53 Pilate Washing his Hands.
54 Christ is Stripped of His Raiment.
55 Starting for Calvary.
56 Christ Falls under the Cross.
57 Simon the Cyrenian.
58 Christ Holding the Cross.
59 The Crucifixion.
61 "Behold thy Mother!"
62 A Crucifix.
63 The Dead Christ.
64 La Pietà (Michael Angelo).
65 The Dead Body of Christ and the Virgin (Giovanni).
66 The Entombment.
67 The Resurrection.
68 The Three Marys.
69 Christ's Last Commission.
70 The Ascension.
71 The Ascending Christ.
72 The Ascension. "Carried up into Heaven."
74 "St. Mark. A Lion.
76 " St. John. An Eagle.
77 St. Matthew (Giovanni).
78 St. John the Divine.
79 St. Paul.
80 St. Paul (Giovanni).
81 The Archangel.
82 St. Michael and the Dragon.
83 Christ Blessing.

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3 The Power of Darkness.
4 The Power of Light.
5 The Light of the World.
6 The Good Shepherd.
7 Touch Me. "Mary Magdalene and the other Mary meet Christ, and they held Him by the feet and worshipped Him."
8 Touch Me not, for I am not yet ascended to My Father."
9 The Miraculous draught of fishes.
10 Christ blessing little Children. "Suffer little children and forbid them not to come unto Me, for of such is the Kingdom of Heaven."
11 The Last Supper. "I say unto you that one that shall betray Me, and they were exceeding sorrowful, and began, everyone of them, to say unto Him, Lord, is it I?"
12 Gethsemane. "Before Abraham was I Am."
13 The Agony.
14 The Crucifixion.
15 At the foot of the Cross. Roman Soldiers casting lots.
16 A Panel—Calvary, Moses, Peter, Paul, and Eliphaz.
17 Calvary. Centre Panel from the above.
18 Melford Reredos.
19 The Crucifixion, from Melford Reredos.
20 The Descent from the Cross.

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279 Christ Healing the Blind (Duclo di Buoninsegna).
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365 The Dream. A Disciple (Bougereau). 2s.
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370 Bethany.
371 Christ in the House of Martha and Mary (Velasquez).
372 At the House of Martha and Mary (A. Scheffer).
373 The Home at Bethany (Coypel).
374 Christ’s Visit to Mary and Martha (Eichstaedd). 1s.
375 Christ with Martha and Mary (Siegmadze). 1s. 6d.
376 Christ at the house of Martha and Mary.
377 Christ at the House of Martha and Mary (A. Twidle).
378 Christ raiseth Lazarus (J. J. B. Constant). 2s.
379 The Raising of Lazarus. “Take ye away the stone.”
380 The Raising of Lazarus (Bida).
381 The Raising of Lazarus (W. Hilton).
382 The Raising of Lazarus (M. A. Buonarroti).
385 The Unmerciful Servant.
386 The Unmerciful Servant brought before his Lord.
387 Christ and the Holy Women (Goiz). 1s. 6d.
388 The Parable of the Leaven. The woman putting the leaven into the meal.
389 The Treasure hid in a Field.
390 The Dresser of the Vineyard pleading for the barren Fig Tree.
391 The Unjust Steward reducing the Bills of his Lord’s Debtors.
392 Christ teaches Humility (R. S. Launder).
393 Christ blessing a Child (B. West).
394 Christ and a little Child (A. Scheffer).
395 Christ blessing little Children.
396 Christ blessing little Children (Eastlake).
397 Christ blessing little Children (Marshall Claxton).
398 Christ blessing little Children (B. West).
399 Christ blessing little Children (Henry le Jeune).
400 Christ blessing little Children (Serra). 1s. 6d.
401 Christ blessing little Children (Schmidt). 1s. 6d.
402 Christ blessing little Children (Ebersberger). 1s. 6d.
403 Christ the Children’s Friend (Schwenz).
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406 Christ receiving little Children (Thumann).
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410 The Wise and Foolish Virgins.
411 The Wise and Foolish Virgins.
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413 The Parable of the Wise and Foolish Virgins. The appearance of the Bridegroom.
414 The Wise and Foolish Virgins (Fugel). 1s. 6d.
415 The Parable of the Ten Virgins. The Closed Door.
416 The Parable of the Labourers in the Vineyard.
417 The Householder hiring Labourers.
418 The Householder paying Labourers.
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420 The Destruction of Jerusalem by the Romans under the Command of Titus. A.D. 70. (David Roberts).
421 Jerusalem in her Fall, as now viewed from the Mount of Olives (David Roberts).
422 The Destruction of Jerusalem (E. Lambert).
423 Jerusalem, showing the Temple as in the time of our Lord.
424 Our Lord healing the Sick and the Lame in the Temple (Dixon).
425 Our Lord healing the Sick in the Temple (B. West).
426 The Widow’s Mite (A. Lelivir).
427 The Spiritual Mission (Von Kooppman).
428 Christ in Retirement at Bethany with His Disciples.
429 The Magdalene (G. Reni).
430 Magdalene Repentant.
431 Mary Magdalene anointing the feet of Christ at the house of Simon.
432 Mary Magdalene at the house of Simon (Rubens).
433 Mary washes and anoints Christ’s Feet (Dixon).
434 “Thou many ye have always with you, but Me ye have not always” (Paul Veronese).
435 The Outcast of the People (R. Herbert).
436 Washing the Feet of Christ (Nordenberg). 1s.
437 Mary Magdalene (Francis B. Dicksee, R.A.). 2s.
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439 The Tribute Money (Titian).
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442 The Tribute Money (Dixon).
443 The Husbandman tending his two Sons to work in the Vineyard.
444 The Parable of the wicked Husbandmen.
445 The Vineyard let out to Husbandmen. Arrival of the Heir.
446 The Heir to the Vineyard (Dixon).
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448 The Parable of the Talents. “Well done, good and faithful servant” (Dixon).
449 The Parable of the Unprofitable Servant (Dixon).
450 The Servant bringing his Talent wrapped in a cloth.
451 The Shepherd dividing his Sheep from the Goats.
452 Crucifix. Introductory Slide to the Passion with Motto.
453 Crucifix. Introductory Slide to the Passion.
454 Crucifix.
455 Cross with Passion Flowers.
456 Road from Bethany to Jerusalem.
457 “And beholding the City He wept over it.” (Dixon).
458 Jerusalem from the Mount of Olives.
459 The Entry into Jerusalem (Dubufe).
460 The Entry into Jerusalem.
461 The Entry into Jerusalem.
462 The Entry into Jerusalem.
463 Christ entering into Jerusalem (Arthur Kampf). 2s.
464 The Pharisees complaining of the Children’s Hosannas (Dixon).
465 The Pharisees complaining of the Children’s Hosannas.
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468 Jesus predicts the Destruction of Jerusalem. 
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471 The Lawyer’s Question tempting Christ (Dixon). 
472 "Woe unto you, Scribes and Pharisees!" (Dixon). 
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475 The Gentiles ask to see Jesus (Dixon). 
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477 Judas selling Christ (Dixon). 
478 Peter said unto Him, "Although all shall be 

467 Offended yet will not I" (Dixon). 
479 Our Lord with Peter and John on the way 

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480 The Last Supper (L. da Vinci). 
481 The Last Supper. (Apostles reclining). 
482 The Last Supper. (Apostles reclining). 
483 The Last Supper (Ghoshari). 
484 The Last Supper (E. de Roberti). 
485 The Last Supper. 
486 "Take, eat, this is My Body" (Heinrich von Hess). 
487 Our Redeemer (Carlo Dolci). 
488 The Last Supper. 
489 Christ with the Eleven after Supper. 
490 The Last Supper. 
491 The Last Supper (Rem. 1s. 6d. 
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510 Christ in the Garden of Olives (Ary Scheffer). 
511 The Agony in the Garden of Gethsemane (H. le Jeune). 
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551 Christ before the Sanhedrin (Dixon). 
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8. Birth of our Lord Jesus Christ
9. The Angel and the Shepherds
10. The Adoration of the Shepherds
11. The Presentation of Christ in the Temple
12. Simeon
13. Anna
14. The Wise Men journeying to Bethlehem
15. The Wise Men and Herod
16. Adoration of the Wise Men
17. Massacre of the Innocents
18. The Flight into Egypt
19. The sojourn in Egypt
20. St. John the Baptist as a child in the desert
21. The return from Egypt
22. Jesus and His Mother at the well
23. Jesus left behind at Jerusalem, “And they sought Him amongst their kinsfolk and acquaintance.”
24. Jesus sitting in the midst of the Doctors
25. Jesus found in the Temple
26. The youth of Jesus

The Ministry of Christ.

27. “Where two or three are gathered together in My Name, there am I in the midst of them.” S. Matthew xviii., 20
28. The voice crying in the wilderness
29. The axe laid to the root of the tree. S. Matthew iii., 10
31. John the Baptist and the Pharisees
32. S. John the Baptist sees Jesus from afar
33. The Baptism of Jesus Christ
34. Christ taken up into a high mountain
35. The Temptation in the wilderness
36. Christ set on a pinnacle of the Temple
37. S. John
38. Angels came and ministered unto Him
39. The calling of S. Peter and S. Andrew
40. S. Andrew
41. The calling of S. Andrew and S. John
42. The calling of S. James and S. John
43. Nathanael under the fig tree
44. S. Bartholomew
45. The betrothed of Cana
46. The Marriage in Cana of Galilee
47. Jesus goes up to Jerusalem
48. Interview between Christ and Nicodemus
49. Nicodemus
50. The disciples of Jesus baptizing
51. The Man with an infirmity of thirty-eight years
52. The Pool of Bethesda. S. John v. 5
53. The Woman of Samaria at the well
54. S. Philip
55. Jesus unrolls the Book in the Synagogue
56. And they led Him unto the brow of the hill. S. Luke iv. 29
57. The hidden treasure. S. Matt. xiii., 44
58. The Man at the Plough. S. Luke ix. 6
59. The man with an unclean spirit in the synagogue
60. Healing of Peter’s mother-in-law
61. S. Simon
62. “And all the city was gathered together at the door.” S. Mark i. 33
63. “Thou fool, this night thy soul shall be required of thee.”
64. “Jesus went out into a desert place”
65. Jesus teaching in the Synagogue
66. The barren fig-tree. S. Luke xiii. 6
67. S. Paul
68. The healing of the ruler’s son
69. Jesus preaching in a ship
70. S. James the Greater
TISSOT'S LIFE OF OUR LORD JESUS CHRIST—Continued.

77 The first miraculous draught of fishes
78 Jesus healing the lame and the blind on the
    mountain
79 The healing of the leper at Capernaum
80 Jesus teaching the people by the sea shore
81 The calling of S. Matthew
82 S. Matthew
83 The loaves and fishes. S. Mark vii. 8
84 Christ eating in the house of S. Matthew
85 Christ healing the wounded hand
86 The enemy sowing the tares. S. Matt. xiii. 24
87 The Pharisees and Herodians take counsel against
    Jesus
88 The ordaining of the Twelve Apostles
89 The women at the mill. S. Matt. xxiv. 41
90 "Let the dead rise up and shout for joy; let the
    living in the earth salute it." S. Matt. xvii. 18
91 Christ asleep during the storm
92 Christ stilling the tempest
93 In the villages the sick were brought unto Him
94 "My name is Legion." S. Luke viii. 32
96 The two men possessed of unclean spirits
96 The Good Shepherd. S. John x. 3
98 The swine driven into the sea
98 The raising of Jairus's daughter
99 Jesus preaching by the seaside
100 Christ healing the blind and dumb man
    possessed of a devil
101 The raising of the woman with an issue of blood
102 "Lord, I am not worthy." Matt. viii. 8
103 The man possessed of a devil in the synagogue
104 S. Mark vii. 20
105 Raising of the widow's son at Nain
106 The disciples pluck corn on the Sabbath
107 Healing of the Canaanite's daughter
108 They brought unto Him all that were diseased
109 The Sower. S. Matt. xiii. 8
110 A woman anointeth the feet of Jesus
111 Christ commanding His disciples to rest
112 The blind leading the blind
113 The palsied man let down through the roof
114 The Sermon on the Mount
116 He laid His hands upon a few sick folk
116 Two blind men healed at Capernaum
117 Lazarus at the rich man's door. S. Luke xvi. 20
118 The dumb man possessed of a devil healed at
    Capernaum
119 Christ's exhortation to the Twelve Apostles
120 Herod
121 The daughter of Herodias dancing
122 The head of St. John the Baptist
123 St. Thaddeus, or St. Jude
124 The miracle of the loaves and fishes
125 The people seek Christ to make Him King
126 The rich man in Hell. St. Luke xvi. 23
127 Christ going out alone into a mountain to pray
128 Christ walking on the sea
129 The Son of the Master of the vineyard
130 S. Peter walks on the sea
131 "Ye seek Me, not because ye saw the miracles,
    but because ye did eat of the loaves." S. John
    vi. 26
132 Christ reproving the Pharisees
133 The Pharisees and Sadducees come to tempt
    Jesus
134 The healing of the crooked woman
135 The Transfiguration
136 The demoniac boy at the foot of Mount Tabor
137 Christ sending out the seventy disciples two by
two
138 Peter's confession of Christ's divinity
139 "The first shall be last."
140 Jesus and the little child
141 Jesus on His way to Galilee
142 "Get thee behind me, Satan."
143 Mary Magdalen before her conversion
144 Mary Magdalen repentant
145 The Scribe standing up and tempting Jesus
146 Jesus passing through the villages on His way to
    Jerusalem
147 Zacharias killed between the Temple
148 The rich young man went away sorrowful
149 Woman in the crowd crying out
150 The healing of the ten lepers
151 Christ at Bethany in the house of Martha
153 Martha
154 Mary Magdalen at the feet of Jesus
155 Christ discussing with His disciples
156 The Tower of Siloam
156 "Pater Noster." The Lord's Prayer
157 But no man laid hands upon Him
158 The woman taken in adultery. Christ writing
    upon the ground
159 "And Jesus was left alone, and the woman
    standing in the midst..."
160 Christ preaching near the Treasury
161 "He that is of Godareth God's Word"
162 The blind man washes in the pool of Siloam
163 The blind man tells his story to the Jews
164 The Good Samaritan. S. Luke x. 30
165 Then the chief priests and the Pharisees called
    Him at Jerusalem
166 Jesus walking in Solomon's Porch
167 The Pharisees and the Publican. S. Luke xxi. 10
168 The wise virgins. S. Matt. xxv. 1
169 The foolish virgins
170 "Jesus wept..."
171 The raising of Lazarus
172 Lazarus
173 The prodigal son
174 The return of the prodigal son
175 "He went into a city called Ephraim..."
176 The evil counsel of Caliphe
177 "Suffer the little children to come unto Me..."
178 Zaccheus in the sycamore tree
179 The healing of two blind men at Jericho

HOLY WEEK.

Palm Sunday.

180 "Then sent Jesus two disciples, saying unto
    them, 'Go into the village over against you
    and straightway ye shall find an ass tied and
    a colt with her; loose them and bring them
    unto Me.'" S. Matt. xxvii. 1-2
181 The descent from the Mount of Olives
182 "And beholding the city, He wept over it...."
183 The procession in the streets of Jerusalem
184 The multitude that followed Jesus in the Temple

Monday.

185 The chief priests take counsel together
186 The accursed Fig-tree
187 Christ driving out them that sold and bought
    from the Temple
188 Jesus forbids the carrying of vessels through
    the Temple
189 The healing of the lame in the Temple
190 Jesus goes out to Bethany in the evening

Tuesday.

191 The Gentiles ask to see Jesus. S. John xii. 20, 21
192 The Voice from Heaven
193 The Chief Priests ask, "By what authority
    dost Thou these things?"
194 The corner stone
195 The tribute money
196 The Pharisees question Jesus
197 "Woe unto you, Scribes and Pharisees!
198 "Jerusalem, Jerusalem..."
199 The widow's mite
200 "Master, see what manner of stones and what
    buildings are here." S. Mark xiii.
201 Christ foretelling the destruction of the Temple
202 The alabaster box of very precious ointment

Wednesday.

203 The Jews conspire together
204 Judas goes to the Chief Priests and sells his
    Master
205 Christ going to the Mount of Olives at night

The Passion. Holy Thursday.

206 Jerusalem and the Temple of Herod in our
    Lord's time. From the East
207 The Temple of Herod in our Lord's time
208 The Man bearing a pitcher
Good Friday.

989 Jesus in prison
240 The morning judgment
241 Judas repents and returns the money
242 Judas hangs himself
243 The Apostles’ hiding-place in the valley of Hinnom
244 Jesus led from Calaphas to Pilate
245 Jesus for the first time before Pilate
246 Pilate | The message of Pilate’s wife
247 Jesus before Herod
248 Jesus led back from Herod to Pilate
249 The scourging of the face
250 The scourging on the back
251 The crown of thorns
252 The scepgeost
253 Prince Hono
254 Jesus for the second time before Pilate
255 Barabbas
256 “Let Him be crucified”
257 Pilate washes his hands
258 The Holy Stair
259 Christ leaves the Judgment Hall
300 The Forum, site of the Gahbatha. Jesus hears his death-sentence
201 The Gahbatha. Pilate pronounces judgment
202 The title of the Cross
203 “And they put on Him His own raiment”
204 Christ bearing His Cross
205 Jesus falls beneath the Cross
206 Jesus meets His mother
207 Simon the Cyrenian compelled to hear the Cross with Jesus
268 A woman washes the face of Jesus
269 The Holy Face
270 The daughters of Jerusalem
271 Resurrection of Calvary as seen from the walls of the Gate of Judgment
272 Calvary as seen from the walls of Herod’s palace

Easter Sunday.

313 The Resurrection
314 Mary Magdalene and the holy women at the Tomb
315 The Angel seated upon the stone of the Sepulchre
316 “They have taken away the Lord!”
317 St. Peter and St. John run to the Tomb
318 Mary Magdalene questions the angels in the tomb
319 Christ appears to Mary Magdalene
320 “Touch Me not”
321 Christ appears to Peter
322 Christ appears to the women

Easter Monday and following days.

323 The disciples on the road to Emmaus
324 “And He vanished out of their sight”
325 “He appeared to the eleven as they sat at meat”
326 The unbelief of S. Thomas
327 Christ appears on the borders of the Sea of Tiberias
328 St. Peter casts himself into the sea
329 The second miraculous draught of fishes
330 Christ eating with His disciples
331 “Feed My Lambs”
332 The Ascension as seen from the Mount of Olives
333 The Ascension as seen from below
# THE FOUR GOSPELS.

From the pictures by Brönne.

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### THE GOSPEL ACCORDING TO ST. MATTHEW.

The Gospel of the King: "This is JESUS the King of the Jews.

| 1.勘察 | Introductory. |
| 2.勘察 | St. Matthew. |
| 3.勘察 | Jesus Christ. |
| 4.勘察 | The Dream of Joseph. |
| 5.勘察 | The Wise Men from the East. |
| 6.勘察 | The Flight into Egypt. |
| 7.勘察 | Their Return into the Land of Israel. |
| 8.勘察 | The Baptism of Christ. |
| 10.勘察 | The Calling of James and John. |
| 11.勘察 | The Sermon on the Mount. |
| 12.勘察 | Prayer. |
| 13.勘察 | Alms. |
| 14.勘察 | The Centurion. |
| 15.勘察 | The Calling of St. Matthew. |
| 16.勘察 | The Giving of Sight to the Blind Men. |
| 17.勘察 | Peace be to this House. |
| 18.勘察 | John the Baptist in Prison. |
| 19.勘察 | The Mother and the Brethren of Jesus. |
| 20.勘察 | Jesus Seated by the Seaside. |
| 21.勘察 | Beheading of St. John the Baptist. |

### THE GOSPEL ACCORDING TO ST. MARK.

The Gospel of the Servant of JEHovah: "The Son of Man came . . . to minister.

| 43.勘察 | Introductory. |
| 44.勘察 | St. Mark. |
| 45.勘察 | The Leper. |
| 46.勘察 | Healeth with Publicans and Sinners. |
| 47.勘察 | Jesus and His Disciples in the Cornfield. |
| 48.勘察 | Council of the Pharisees and Herodians. |
| 49.勘察 | Jesus Teacheth in a Ship. |
| 50.勘察 | Jesus Healeth a Woman. |
| 51.勘察 | Jesus raiseth a Young Child from Death. |
| 52.勘察 | Herodias and the Head of John the Baptist. |
| 53.勘察 | Jesus Healeth the Deaf Man. |
| 54.勘察 | Jesus Healeth the Blind Man. |
| 55.勘察 | Jesus and His Disciples on the Road to Caesarea. |

### THE GOSPEL ACCORDING TO ST. LUKE.

The Gospel of the Son of Man: "The Son of Man is come to seek and to save that which was lost."

| 66.勘察 | Introductory. |
| 68.勘察 | The Angel's Salutation. |
| 69.勘察 | Mary and Elizabeth. |
| 70.勘察 | The Child Jesus. |
| 71.勘察 | Jesus in the Midst of the Doctors. |
| 72.勘察 | St. John in the Desert. |
| 73.勘察 | Jesus in the Synagogue. |
| 74.勘察 | Jesus thrust out of Nazareth. |
| 75.勘察 | Christ Healeth the Man Afflicted with Palsy. |
| 76.勘察 | Christ Healeth the Man with the Withered Hand. |
| 77.勘察 | Christ raiseth the Widow's Son. |
| 78.勘察 | Magdalen at the Feet of Jesus. |
| 79.勘察 | Parable of the Sower. |
| 80.勘察 | Jesus Asleep during the Tempest. |
| 81.勘察 | The Miracle of the Loaves and Fishes. |
| 82.勘察 | The Good Samaritan. "Went to him." |
| 83.勘察 | The Good Samaritan. "Brought him to an Inn." |
| 84.勘察 | Jesus at the House of Martha and Mary. |
| 85.勘察 | Jesus in Prayer. |

### THE GOSPEL ACCORDING TO ST. JOHN.

The Gospel of the Son of God: "Jesus is the Christ, the Son of God."

| 106.勘察 | Introductory. |
| 107.勘察 | St. John. |
| 108.勘察 | "Behold the Lamb of God!" |
| 109.勘察 | Jesus Driving the Money-changers out of the Temple. |
| 110.勘察 | Nicodemus Coming to Jesus. |
| 111.勘察 | The Woman of Samaria. |
| 112.勘察 | The Impotent Man at the Pool of Bethesda. |
| 113.勘察 | Jesus Walking on the Sea. |
| 114.勘察 | The Officers of the Chief Priests. |
| 115.勘察 | The Woman taken in Adultery. |
| 116.勘察 | The Man Blind from his Birth. |
| 117.勘察 | The Good Shepherd. |
| 118.勘察 | "Lazarus, Come Forth!" |
| 119.勘察 | Jesus entering Jerusalem. |
| 120.勘察 | Jesus Washeth the Disciples' Feet. |
| 122.勘察 | "Love one another." |
| 123.勘察 | A Man Born into the World. |
| 124.勘察 | Jesus Praying in the midst of His Disciples. |
| 125.勘察 | Judas betraying Jesus. |
| 126.勘察 | Jesus before Pilate. |
| 127.勘察 | "Behold the Man!" |
| 128.勘察 | The Crucifixion. |
| 129.勘察 | Jesus appearing to Mary Magdalene. |
| 130.勘察 | St. Thomas. |
| 131.勘察 | The Miraculous Draught of Fishes. |
| 132.勘察 | Jesus and St. Peter. |
A A Z

"THE LIFE OF JESUS OF NAZARETH."

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12 The Baptism.
13 Jesus Driven by the Spirit into the Wilderness.
14 The Temptation.
15 The End of the Temptation.
16 The Earliest Disciples.
17 The Return of Jesus to Galilee.
18 The First Miracle.
19 The First Cleansing of the Temple.
20 The Visit of Nicodemus.
21 The Woman of Samaria.
22 The Rejection at Nazareth.
23 The Raising of Lazarus.
24 Christ Healeth the Sick at Capernaum.
25 Parables from the Boat.
26 The Miraculous Draught of Fishes.
27 Matthew Called from the Receipt of Custom.
28 The Appointment of the Twelve.
29 The Cleansing of the Leper.
30 The Healing of the centurion's servant.
31 The Raising of the Widow of Nain's Son.
32 The Dinner at the House of Simon the Pharisee.
33 The Raising of the Woman on the Way to the House of Jairus.
34 The Healing of the Gadarene Demonic.
35 The Paralytic let down through the roof at Capernaum.
36 The Healing of the Woman on the Way to the House of Jairus.
37 The Raising of Jairus' Daughter.
38 The Healing of the Infirm Man at the Pool of Bethesda.
39 The Feeding of the Five Thousand.
40 Christ Walking on the Sea.
41 The Faith of the Syro-Phoenician Woman.
42 The Inquiry near Caesarea Philippi.
43 The Transfiguration.
44 The Healing of the Epileptic Boy.
45 The Woman taken in Adultery.
46 The Cleansing of the Ten Lepers.
47 Rest at Bethany in the House of Martha, Mary, and Lazarus.
48 Christ Blessing Little Children.
49 The Raising of Lazarus.
50 The Call of Zacchaeus.
51 Sight Restored to Blind Bartimaeus.
52 The Triumphal Entry into Jerusalem.
53 The Final Hostility of the Priests.
54 Christ leaving the City at Night, and abiding in the Mount of Olives.
55 Washing the Disciples' Feet at the Passover Feast.
56 The Last Supper.
57 The Agony in the Garden of Gethsemane.
58 The Betrayal.
59 Jesus before Caiphas and the Council.
60 The Denial and Repentance of Peter.
61 Jesus brought before Pilate.
62 Pilate's Private Examination of Jesus.
63 Jesus before Herod Antipas.
64 The Scourging.
65 The Mockery of the Soldiers.
66 Pilate's Protests of Guiltlessness.
67 Jesus, Sinking under the Weight of His Cross, addresses the Women.

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8 Christ and the Woman of Samaria
9 Raising the Widow's Son at Nain
10 Christ Healing the Sick. Luke iv. 40
11 "Maid, I say unto thee, arise." Mark v. 41
12 Christ preaching to the Multitude
13 "Come unto Me" Matt. xiii. 10
14 The woman taken in adultery before Christ
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16 The house at Bethany. Luke x. 13
17 Christ blessing little children. Mark x. 14-16

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22 To Golgotha. Luke xxii. 28
23 The Crucifixion
24 The Entombment
25 "They returned and prepared spices and ointment." Luke xxiii. 56
26 The Resurrection
27 Emmaus, "Abide with us for it is towards evening." Luke xxiv. 29
28 The Ascention
29 "Behold I stand at the door and knock." Rev. iii. 20
30 "Where two or three are gathered together." Matt. xviii. 20

ADDITIONAL PICTURES.

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1 The Holy Night. -"Glory to God in the highest, and on earth peace, goodwill toward men." Luke ii. 14
2 Angels appearing to the Shepherds. "And the Angel said unto them, Fear not, for behold, I bring you good tidings of great joy which shall be to all people." Matt. ii. 10
3 The Presentation in the Temple. "Then took he Him up in his arms and blessed God." Luke ii. 26
4 Christ and the Baptist. "And Jesus increased in wisdom and stature." Luke ii. 52
6 The Baptism of Jesus. "And the Holy Ghost descended in a bodily shape like a dove upon Him, and a voice came from Heaven, which said, Thou art My beloved Son, In Thee I am well pleased." Mark i. 10-11
7 The Marriage at Cana. "And Jesus saith unto them, Fill the water potts with water, and they filled them up to the brim." John ii. 7
8 Christ preaching on the Sea. "He spake many things unto them in parables." Matt. xiv. 23
9 Christ's visit to Mary and Martha. "And Martha was cumbered about much serving and came to Him, and said, Lord, dost Thou not care that my sister hath left me to serve alone." John xxi. 23
10 Jesus with Mary and Martha. "And she had a sister called Mary, which also sat at Jesus' feet and heard His words." Luke xi. 31-32
11 Who is the greatest in the Kingdom of Heaven. "Verily, I say unto you, Except ye be converted and become as little children, ye shall not enter into the Kingdom of Heaven." Matt. xxi. 15

12 Healing the blind man. "After that He put His hands again upon His eyes and made Him look up, and he was restored, and saw every man clearly." John ix. 39
13 "Lord, save me!" "And when he saw the wind boisterous he was afraid; and beginning to sink, he cried, saying, Lord, save me!" Matt. xiv. 28
14 Christ and the rich ruler. "Good Master, what must I do that I may have eternal life?" Matt. x. 21
15 Our Saviour. "The only wise God, our Saviour." Tit. ii. 13-14
16 The Adulteress before Christ. "He that is without sin among you let him first cast a stone at her." John vii. 10
17 Christ's entry into Jerusalem. "And the multitude that went before and followed, cried, saying, Hosanna to the Son of David." Matt. x. 14
18 "I am the Way, the Truth, and the Life." John xiv. 6
19 Gethsemane. "And there appeared an Angel unto Him from Heaven, strengthening Him." Matt. xxvii. 46
20 The Kiss of Judas. "And forthwith he came to Jesus, and said, Hail Master! and kissed Him." Mark xvi. 14
21 The Deniliation. "And when they had platted a crown of thorns, they put it upon His head and a reed in His right hand, and they bowed the knee before Him and mocked him, saying, 'Hail, King of the Jews!'" Mark xix. 39
22 The Resurrection. "And for fear of Him the keepers did shake and become as dead men." Matt. xxvii. 62
23 "Peace be unto you." Matt. xxvii. 50
24 Emmaus. "And their eyes were opened, and they knew Him, and He vanished out of their sight." Luke xxiv. 31
25 St. John.
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8 In the House of Martha and Mary
9 Christ walking on the Sea
10 The Transfiguration
11 In Gethsemane: the Ministering Angel
12 Christ before Herod
13 The Crucifixion
14 The Angel rolling away the Stone from the Sepulchre
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16 The Ascension

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5 A Happy Meeting, Father and Son.—"Fell on his neck and kissed him."
6 The Prodigal having the best Robe put on.—"Bring forth the best robe and put it on him."
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2 Appearance of Angels, announcing Birth of Christ
3 Star appears in the Heavens

F A
THE EVE OF THE FLIGHT.
Beautifully Hand-Painted, £3 10s. the set of 2 Slides.
1 The Holy Family. Joseph's Dream.
2 The Angel's Message,—"Arise and take the young Child and His mother and flee into Egypt."

F B
CHRIST IN GETHSEMANE.
Beautifully Hand-Painted, £3 10s. the set of 2 Slides.
1 Christ kneeling in Prayer
2 Ministering Angel

F C
THE CRUCIFIXION.
Beautifully Hand-Painted, £7 10s. the set of 3 Slides.
1 The three Crosses, Christ in the midst, the Women at the foot of the Cross
2 Christ hanging on the Cross
3 Surrounded by a company of Angels

F D
THE GUARDIAN ANGEL.
A series of very Beautiful Hand-Painted Subjects for Dissolving Lanterns.
The set of 3 Slides, £6.
1 Night Scene: House in a City Street. House—
2 Effect. Angel Carrying Child, Tapping on Window to be let in
3 Angel Carrying Child to Heaven

Note.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
STATIONS OF THE CROSS.

Copied by permission of Franz Hanßlaender from a very fine series of pictures. The costumes are those of about the 13th century.

Beautifully Painted, 9s. 6d. each. Plain Photographs, 1s. 6d. each.

Cheap Series, Painted, 4s. each.

1 Jesus condemned to Death.—S. Luke xxiii. 24
2 Jesus is laden with the Cross.—S. John xix. 17
3 Jesus falls the first time under the weight of the Cross.—Isaiah lili. 7
4 Jesus meets His Mother.—S. John ii. 1
5 Jesus is helped by the Cyrenian to carry His Cross.—S. Luke xxiii. 26
6 Veronica wipes the face of Jesus.—Psalm xxvii. 8
7 Jesus falls beneath His Cross the second time.—Psalm xxxviii. 7
8 Jesus consoles the Women of Jerusalem.—S. Luke xxiii. 28
9 Jesus falls beneath His Cross the third time—Psalm xxvi. 15
10 Jesus is stripped of His garments, and is given gall to drink.—Psalm xxii. 18
11 Jesus is nailed to the Cross.—S. Luke xxiii. 33
12 Jesus is raised on the Cross and dies upon it.—S. John xix. 30
13 Jesus taken down from the Cross.—S. Mark xv. 46
14 Jesus laid in the Sepulchre.—S. John xix. 42

STATIONS OF THE CROWN, FROM WOOD CARVINGS.

These Slides are photographed from a series of very finely executed carved wood panels, and make a most excellent series of Slides.

Beautifully Painted, 8s. 6d. each. Plain Photographs, 21s. the set.

Cheap Series, Painted, 4s. each.

1 Jesus Condemned to Death.—S. Luke xxiii. 24
2 Jesus is laden with the Cross.—S. John xix. 17
3 Jesus falls the first time under the weight of the Cross.—Isaiah lili. 7
4 Jesus meets His Mother.—S. John ii. 1
5 Jesus is helped by the Cyrenian to carry His Cross.—S. Luke xxiii. 26
6 Veronica wipes the face of Jesus.—Psalm xxvii. 8
7 Jesus falls beneath His Cross the second time.—Psalm xxxviii. 7
8 Jesus consoles the Women of Jerusalem.—S. Luke xxiii. 28
9 Jesus falls beneath His Cross the third time.—Psalm xxvi. 15
10 Jesus is stripped of His garments and is given gall to drink.—Psalm xxii. 18
11 Jesus is nailed to the Cross.—S. Luke xxiii. 33
12 Jesus is raised on the Cross and dies upon it.—S. John xix. 30
13 The Body of Jesus taken down from the Cross.—S. Mark xv. 46
14 The Body of Jesus laid in the Sepulchre.—S. John xix. 42

STATIONS OF THE CROSS.

A Series of Bas-Reliefs.

Plain Photographs, 1s. each.

1 Jesus Condemned to Death.—St. Luke xxiii. 24
2 Jesus is laden with the Cross.—St. John xix. 17
3 Jesus Falls the First Time under the Weight of the Cross.—Isaiah lili. 7
4 Jesus Meets His Mother.—St. John ii. 1
5 Jesus is Helped by the Cyrenian to Carry His Cross.—St. Luke xxiii. 26
6 Veronica Wipes the Face of Jesus.—Psalm xxvii. 8
7 Jesus Falls beneath His Cross the Second Time.—Psalm xxxviii. 7
8 Jesus consoles the Women of Jerusalem.—St. Luke xxiii. 28
9 Jesus Falls beneath His Cross the Third Time.—Psalm xxvi. 15
10 Jesus is Stripped of His Garments and is Given Gall to Drink.—Psalm xxii. 18
11 Jesus is Nailed to the Cross.—St. Luke xxiii. 33
12 Jesus is Raised on the Cross and Dies upon it.—St. John xix. 30
13 Jesus is Taken down from the Cross.—St. Mark xv. 46
14 Jesus Laid in the Sepulchre.—St. John xix. 42

BEST QUALITY HAND-PAINTED SLIDES.

Designed by C. S. Dixon.

Beautifully Hand-Drawn and Painted, 50s. each. Plain Photographs, 1s. each.

Beautifully Painted, 8s. 6d. each. Cheap Series, Painted, 3s. 6d. each. Reading, 2d.

1 Jesus condemned to Death.—S. Luke xxiii. 24
2 Jesus is laden with the Cross.—S. John xix. 17
3 Jesus falls the first time under the weight of the Cross.—Isaiah lili. 7
4 Jesus meets His Mother.—S. John ii. 1
5 Jesus is helped by the Cyrenian to carry His Cross.—S. Luke xxiii. 26
6 Veronica wipes the face of Jesus.—Psalm xxvii. 8
7 Jesus falls beneath His Cross the second time.—Psalm xxxviii. 7
8 Jesus consoles the Women of Jerusalem.—S. Luke xxiii. 28
9 Jesus falls beneath His Cross the third time.—Psalm xxvi. 15
10 Jesus is stripped of His garments, and is given gall to drink.—Psalm xxii. 18
11 Jesus is nailed to the Cross.—S. Luke xxiii. 33
12 Jesus is raised on the Cross and dies upon it.—S. John xix. 30
13 Jesus taken down from the Cross.—S. Mark xv. 46
14 Jesus laid in the Sepulchre.—S. John xix. 42
ABB STAINER'S "CRUCIFIXION."
A Series of Slides arranged for a Lantern production of
"THE CRUCIFIXION,"
"A Meditation on the Sacred Passion of the Holy Redeemer."

The Words and Music can be obtained from the publishers, Novello & Co.

Beautifully Painted Slides, the Set, £19 19 0
Cheaply Painted " " £9 0 0
Plain " " £2 17 6

1 A Place named Gethsemane.
2 "Could ye not watch with Me?"
3 Bowed in Bitter Anguish.
4 In Bitterest Pain.
5 They Laid their Hands on Him.
6 "Art Thou the Christ?"
7 Delivered Him to Pilate.
8 The Soldiers Led Him Away.
9 The Saviour Waits.
10 He Bears His Load.
11 Tho' weary and worn.
12 The Burden of Wrong.
13 Thy Banner Lifted High.
14 They Crucified Him.
15 Cross of Jesus.
16 Crucified by Sin.
17 All Mortal Anguish.
18 The Scorn of All.
19 Dying Desolate Alone.
20 Cross of Sorrow.
21 He Humbled Himself.
22 Upon the Cross.
23 Thou art Suffering.
24 The Serpent in the Wilderness.
25 God so Loved the World.
26 Plead for Me.
27 By the Blows.
28 They Smote Thee.
29 For us and our Salvation.
30 Thy Dreadful Load.
31 Love for Hate.
32 "Father, forgive them!"
33 They Know Not.
34 So Thou Pleadest.
35 He is Nailed.
36 Lord, I have joined.
37 I love Thee Still.
38 Jesus is Dying.
39 Lord, Remember Me.
40 I Adore Thee.
41 Behold thy Son.
42 My Sorrow.
43 The World of Unbelief.
44 Crucify!
45 Is it Nothing to You?
46 O, come unto Me.
47 I Thirst.
48 All for Jesus.
49 At Thine Altar.
50 One in Thee.
COPPING’S

AAO “SCENES IN THE LIFE OF OUR LORD.”
(Copied by permission of the Religions Tract Society.)
Book, “Scenes in the Life of our Lord,” 16s. net.
This set of Slides is from the very beautiful series of Original Drawings made by
HAROLD COPPING for the Religions Tract Society.
Beautifully Painted, 9s. 6d. ; Cheaply Coloured Series, 4s. 6d. ; Plain Slides, 1s. 9d. each.
Strictly Copyright.

1 The Annunciation.
2 The Angels appearing to the Shepherds.
3 The Flight into Egypt.
4 St. John the Baptist.
5 The Call of Andrew and Peter.
6 The Temptation of Christ.
7 The Sermon on the Mount.
8 The Feeding of the Multitude.
9 The Transfiguration.
10 The Good Samaritan.
11 Christ at the House of Martha and Mary.
12 The Little Child Set in the Midst.
13 The Return of the Prodigal Son.
14 The Healing of the Leper.
15 Christ Blessing Little Children.
16 The Healing of Blind Bartimeus.
17 The Sadducees question Jesus.
18 Christ and the Woman of Samaria.
19 The Raising of Lazarus.
20 The Agony in the Garden.
21 Christ taken down from the Cross.
22 The Grief of Mary at the Sepulchre.
23 The Walk to Emmaus.
24 The Ascension: Disciples gazing upwards.
25 Our Saviour.

EL LIFE OF CHRIST, FROM WOOD CARVINGS.
The following nine Slides are photographed from very finely executed carved
wood panels.
Beautifully Painted, 8s. 6d. each. Plain Slides, 1s. 6d. each.
Cheap Series, Painted, 4s. each.

1 The Annunciation
2 The Marriage of Joseph and Mary
3 Mary visiting Elisabeth
4 The Birth of John the Baptist
5 The Adoration of the Shepherds
6 The Flight into Egypt
7 Mary finding Christ with the Doctors in the Temple
8 Christ in His Parents’ Home
9 The Body of Christ at the Foot of the Cross

ZI THE PARABLES OF OUR LORD JESUS CHRIST.
From a Series of Woodcuts by JOHN EVERETT MILLAIS, R.A.
Beautifully Painted, 8s. 6d. each. Plain Slides, 1s. each.
Cheap Series Painted, 3s. 6d. each.

1 The Sower.
2 The Leaven.
3 The Tares.
4 The Hidden Treasure.
5 The Pearl of Great Price.
6 The Unmerciful Servant.
7 The Labourers of the Vineyard.
8 The Wicked Husbandmen.
9 The Wise and Foolish Virgins.
10 The Foolish Virgins.
11 The Good Samaritan.
12 The Importunate Friend.
13 The Marriage of the King’s Son.
14 The Lost Sheep.
15 The Lost Piece of Silver.
16 The Prodigal Son.
17 The Rich Man and Lazarus.
18 The Unjust Judge.
19 The Pharisee and the Publican.
20 The Good Shepherd—The Hireling.

SK THE BEATITUDES.
Beautifully Painted, £5 5s. the set.
Plain Slides, £1 2s. 6d. the set.
Cheap Series, Painted, 2s. 6d. the set.

1 The Sermon on the Mount
2 Text of the first five Beatitudes
3 Text of the last four Beatitudes
4 “Blessed are the poor in spirit”
5 The Slave’s Prayer
6 “Blessed are they that mourn”
7 The Virgin at the Foot of the Cross
8 “Blessed are the meek”
9 The Puritan Maiden
10 “Blessed are they which do hunger and thirst after righteousness”
11 Timothy searching the Scriptures
12 “Blessed are the merciful”
13 The Good Samaritan
14 “Blessed are the pure in heart”
15 “Good morning” (Millais)
16 “Blessed are the peacemakers”
17 Telemachus stopping the Gladiatorial Combat in the Coliseum. (He was stoned to death by the audience)
18 “Blessed are they which are persecuted for righteousness’ sake”
19 The Christian Martyr
20 “Blessed are ye when men shall revile you and persecute you”
21 The Tribunal of the Inquisition
22 Figure of Christ blessing
VT

THE GOOD SAMARITAN.
A Series of Copyright Designs by C. S. Dixon
Beautifully Painted, 8s. 6d.; Plain Slides, 1s. each.
Cheap Series, Painted, 3s. 6d.
Drawn and painted entirely by hand 50s. each

1 "A certain man went down from Jerusalem to Jericho and fell among thieves."
2 “Wounded him and departed, leaving him half dead.”
3 "A certain priest ... saw him, and passed by on the other side.”
4 "A Levite ... came and looked on him, and passed by on the other side.”
5 "A certain Samaritan ... came where he was ... he had compassion on him.”
6 "Went to him, and bound up his wounds.”
7 "Set him on his own beast, and brought him to an inn.”
8 "Gave two pence to the host, and said unto him, ‘Take care of him.’”

UZ

THE LOST SHEEP
(Copyright).
A Series of Slides to illustrate the Parable, mostly from Original Designs
Best Hand-painted Slides, 50s. each; Plain Slides, 1s. each.
Beautifully Painted, 8s. 6d. each.
Cheap Series, Painted, 3s. 6d. each.

1 The Door of the Fold.
2 The Lost Sheep, “That which is lost”
3 In the Mountains, “Until He find it”
4 Bringing the Lost Sheep, “On His Shoulder”
5 Reaching Home, “Rejoice with Me”
6 The Good Shepherd, “My Sheep follow Me”

UUU

THE PRODIGAL SON.
From a Series of Drawings.
Beautifully Painted, 8s. 6d. each.
Cheap Series, “3s. 6d. “

1 A Boy at Home.
2 Receiving his Portion.
3 Leaving Home for the Far Country.
4 Riotous Living in the Far Country.
5 A Mighty Famine, begging for Work.
6 Feeding Swine, utterly destitute.
7 Return Home, thoroughly Repentant.
8 A Happy Meeting, Father and Son.
9 Being clothed with the Best Robe.
10 The Festival in honour of his Return.
11 An angry Brother making inquiries of the Servant.
12 A Righteous Father pacifies the Brother’s Anger.

AFN

THE PRODIGAL SON.
From Original Designs.
Beautifully Painted, 8s. 6d. each.
Cheap Series, “3s. 6d. “

1 Leaving Home for the Far Country.
2 Riotous Living.
3 Feeding Swine.
4 His Repentance and Return Home.
5 The Happy Meeting between Father and Son.
6 Being clothed with the Best Robe.
7 The Feast of rejoicing.
8 A Righteous Father pacifies the Brother’s Anger.

Note.—Particulars of beautifully Hand-drawn and Painted Slides on this subject will be found on page 302.

TP

THE WISE AND FOOLISH VIRGINS.
From a series of Copyright designs.
Beautifully Painted, 8s. 6d. each; Plain Slides, 1s. each.
Drawn and painted entirely by hand 50s. each.

1 The ten Virgins going to the Bride’s house there to await the Herald’s Cry.
2 Weary with waiting, they all slumber and sleep.
3 The Herald announces the coming of the Bridegroom.
4 They trim their lamps. The Foolish Virgins implore the Wise ones to share their oil.
5 The Five Wise Virgins leave to meet the Bridegroom. The Five Foolish hurry away to buy oil.
6 The Bridegroom and His Friends are met by the Five Wise Virgins.
7 The Bridegroom’s procession enters the Bride’s house.
8 The return of the Five Foolish Virgins to the Bride’s house.
9 Too late. They find the door shut.
## THE NATIVITY OF OUR LORD.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Price</th>
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<td>The Annunciation</td>
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<td>King David</td>
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<td>The Angels and Shepherds</td>
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<td>The Angel Band</td>
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<td>Bethlehem</td>
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<td>The Holy Night, the Adoration of Shepherds</td>
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<td>The Virgin's Offering</td>
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<td>The Temple of Jerusalem in the time of Our Lord</td>
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<td>The Presentation in the Temple, Simeon paying God</td>
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<tr>
<td>The Virgin with the Infant Christ and John</td>
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<td>The Star in the East—Magi crossing the desert</td>
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<tr>
<td>The Arrival of the Wise Men at Bethlehem</td>
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<td>Adoration of the Magi</td>
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<td>The Eve of the Flight</td>
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<tr>
<td>Flight into Egypt</td>
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<td>The Holy Family resting on the way</td>
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<td>The Child Christ with His Mother</td>
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<td>The Massacre of the Innocents</td>
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<td>The Shadow of the Cross</td>
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<td>Nazareth</td>
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<td>Arrival at Nazareth</td>
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<td>Joseph and the Child Christ</td>
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<td>Christ with the Doctors</td>
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<td>Christ in the Carpenter's Shop</td>
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</tbody>
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## THE TEACHING AND MINISTRY OF OUR LORD.

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<th>Subject</th>
<th>Price</th>
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<tr>
<td>The Baptism in Jordan</td>
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<td>Christ tempted</td>
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<td>Christ and the Woman of Samaria</td>
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<tr>
<td>Sermon on the Mount</td>
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<tr>
<td>&quot;Come unto Me&quot;</td>
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<tr>
<td>Driven out of the Temple</td>
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<tr>
<td>Christ disputing with the Doctors in the Temple</td>
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<tr>
<td>Christ and the Woman taken in Adultery</td>
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<td>The Light of the World</td>
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<td>Christ and His Disciples in the Cornfield</td>
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<td>Christ Teaching from the host</td>
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<tr>
<td>Mary Magdalene anointing the feet of Christ at Simon's House</td>
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<tr>
<td>The raising of Jairus' Daughter</td>
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<td>14 Preaching to the Multitude</td>
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<td>15 The Transfiguration</td>
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<tr>
<td>16 Christ at the house of Martha and Mary</td>
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<tr>
<td>17 &quot;Whosoever will receive one such little child in My Name receive Me.&quot;</td>
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<td>18 Christ blessing little Children</td>
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<td>19 The Tribute Money</td>
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<td>20 The Widow's Mite</td>
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<td>21 Christ washing His disciples' feet</td>
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<td>22 Christ the Comforter</td>
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<tr>
<td>23 The Spiritual Mission. &quot;Inasmuch as ye have done it unto the least of these My brethren ye have done it unto Me.&quot;</td>
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<tr>
<td>24 Christ and His Disciples, Peter and John</td>
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</tbody>
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## THE MIRACLES OF OUR LORD.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Price</th>
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<td>Cana of Galilee</td>
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<tr>
<td>The Marriage Feast in Cana</td>
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<tr>
<td>Miraculous Draught of fishes</td>
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<tr>
<td>Casting out the Devil</td>
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<tr>
<td>Raising Widow's Son at Nain</td>
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<tr>
<td>Healing the Sick</td>
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<tr>
<td>Christ stilling the Tempest</td>
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<tr>
<td>Raising Jairus' Daughter</td>
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<tr>
<td>Christ Healing the Sick</td>
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<tr>
<td>Christ Healing the Lame Man</td>
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<tr>
<td>Feeding the Multitude</td>
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<tr>
<td>Jerusalem from Mount of Olives</td>
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<tr>
<td>Remains of the Pool of Bethesda</td>
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<td>14 Raising of Lazarus</td>
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<tr>
<td>15 Healing the Lunatic</td>
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<td>16 &quot;Come unto Me all ye who labour and are heavy laden&quot;</td>
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<td>17 Tiberias from the land</td>
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<td>18 Christ walking on the Sea</td>
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<tr>
<td>19 &quot;Lord, save me&quot;</td>
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<tr>
<td>20 Christ and the Syro-Phoenician woman</td>
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<td>21 Christ healing the Blind Man</td>
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<td>22 Bethany</td>
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<td>23 The Resurrection</td>
<td></td>
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<tr>
<td>24 Miraculous Draught of Fishes</td>
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</tbody>
</table>

## THE PARABLES OF OUR LORD.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Price</th>
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<tbody>
<tr>
<td>The Sower</td>
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<tr>
<td>The Good Samaritan</td>
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<tr>
<td>Parable of the Lilies</td>
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<td>The Lost Sheep</td>
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<td>Lost Piece of Silver</td>
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<tr>
<td>The Prodigal Son, a Boy at Home</td>
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<tr>
<td>&quot;Receiving his Portion</td>
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<td>&quot;Leaving Home for the far Country</td>
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<td>&quot;Ridiculous Living in the far Country</td>
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<td>&quot;A Mighty Famine, begging for Work</td>
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<tr>
<td>Feeding Swine, utterly destitute</td>
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<td>The Prodigal's return Home, thoroughly repentant</td>
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<td>A Happy Meeting, Father and Son</td>
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<td>14 The Prodigal having the best Rohe put on</td>
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<td>15 The Festival in honour of his Return</td>
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<tr>
<td>16 A righteons Father pacifies the Brother's anger</td>
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<tr>
<td>17 Lazarus at the Rich Man's gate</td>
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<td>18 The Good Shepherd</td>
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<td>19 Parable of the Rich Young Man</td>
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<td>20 Householder hiring Labourers</td>
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<tr>
<td>21 The Rich Man's Feast. &quot;This night thy Soul shall be required of thee&quot;</td>
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<td>22 Pharisee and Publican</td>
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<td>23 The Wise and Foolish Virgins</td>
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<td>24 The True Vine</td>
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</tbody>
</table>
**THE PASSION OF OUR LORD.**

*Beautifully Painted, 8s. 6d.; Plain Slides, 1s. each.
Cheap Series Painted, 3s. 6d. each.

1. Crucifix
2. Entry into Jerusalem
3. The Last Supper
4. Christ in the Garden of Gethsemane
5. "Did ye not watch with Me one hour?"
6. "Hail, Master," and He kissed Him
7. Peter's Denial
8. Crowning with Thorns
9. "Ego Homo!"
10. Christ Bearing His Cross
11. Nailed to the Cross
12. Crucifixion
13. "It is finished!"
14. Descent from the Cross
15. The Dead Christ at the foot of the Cross
16. S. John leading the Virgin home
17. Christ carried to His Burial
18. In the Sepulchre
19. Summit of Calvary on the Sabbath after the Crucifixion
20. Resurrection. "He is Risen!"
21. Three Maries going to the Sepulchre
22. Resurrection. The Angel at the Sepulchre
23. Journey to Emmaus
24. Ascension

**ACTS OF THE APOSTLES.**

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369 House of Pilate, taken from Mosque of Omar.
370 Jerusalem, Room of the Last Supper.
371 Street Musicians.
372 Solomon’s Stables.
373 Stoning Place.
374 Old Covered Street.
375 Temple Area, looking S.W.
376 Temple Platform.
377 Covered Way leading to the Temple.
378 The Temple, Valley of Kidron, Village of Siloam, and Mt. of Olives on the right.
379 David’s Tomb.
380 Tomb of Elias from Courtyard of Mosque of Omar.
381 “Tombs of the Kings” (so called).
382 “Tombs of the Kings,” Façade.
383 Tower of David.
384 Tower of Antonia.
385 Via Dolorosa.
386 Jewish Wailing-place outside the Wall of Temple.
387 The Jews’ Wailing-place.
388 Two Jews.
390 Ford.
391 Fords.
392 Fords, of, showing Encampment.
393 The Valley of Kidron.
394 Descent into.
395 Absalom’s Pillar, Grotto of L. S. Zacharias.
396 The Brook Kishon.
397 Laodicea, Ruins.
398 Map of Palestine.
399 Settlement, Sons of Noc.
400 Colonial Division.
401 Wanderings of Israels.
402 Maschin, General View.
403 A Maronite Priest.
404 Mt. Gerizim, A Rock Tomb.
405 The Mohammedan Tomb on the Summit of Mt. Gerizim.
406 Mt. Ararat.
407 Distant View.
408 from Erivan.
409 Mt. Her, Summit.
410 Mt. Lebanon.
411 Sinai and Horeb.
412 Nazareth.
413 from the West.
414 General View.
415 .
416 .
417 .
418 .
419 .
420 The Virgin’s Well.
421 Old Village Wells.
422 The Virgin’s Well.
423 The Virgin’s Well.
424 Int.
425 Church of the Annunciation.
426 Chapel of the Annunciation.
427 Nabulus. See Shechem.
428 Palmyra, General View.
429 Patmos.
430 Showing Bay.
431 The Pentateuch Rolls, Closed.
432 The Pentateuch Rolls, Open.
433 The Old Pentateuch Roll, Closed.
434 The Old Pentateuch Roll, Open.
435 Pergamos.
436 " Trenches made by Mr. Humann.
437 " River Bed and the great Church.
438 Petra, Butt Tomb.
439 Temple of Kushneh.
439 Philadelphia.
440 The Procession of Carriages.
441 Portraits of Two Arabs.
442 Ramah, N. of Jerusalem.
443 Ramleh, General.
444 Tower of Forty Martyrs.
445 Red Sea, Encampment.
446 El Wuisi.
447 Samaria, Court and St. John’s Tomb.
448 Church of St. John, General View, Int.
449 Ruins.
450 Sebastia, Samaritan, Ruins of the Crusader’s Church of St. John. The pavement in the foreground covers a cistern, “the Pool of Samaria,” in which they washed the chariot of Ahab after he was killed in battle.
451 Sardis, Ruins of Arcopolis.
452 Columns of the Temple, Cybele.
453 Remains of the Temple.
454 Shechem (Nablous), between Mount Ebal and Gerizim.
455 Jacob’s Well.
456 Old Street.
457 Nablus and Shechem from Mount Ebal at sunset, with Mount Gerizim in background.
458 Shechem, High Priest of the Samaritans.
459 Shechem, View from Tomb of Phineas of Mount Ebal and Mount Gerizim, forming the entrance to Shechem from the Plain of Moreh.
460 Siloam, Pool of.
461 Shiloh.
462 Shiloh (site of) Seliun.
463 Shyrra.
464 " from the Harbour.
465 Harbour.
466 " Harbour, The Rush for the Ship.
467 " The Landing-place.
468 " The Stadium, The Place of carp’s Martyrdom.
469 " The Roman Aqueduct.
470 " By the Well.
471 " View from the centre of the town.
472 Harbour and Mount Pagan.
473 " Caratache, Guerez-Tepe.
THE HOLY LAND—Continued.

387 Thyatira.
388 Tyre.
389 from the North.
390 Tomb of the Virgin, near View and Entrance.
391 The Wady Kelt (the Supposed Valley of Achor), the Monastery of Chalybe.
392 The River Yarmuk, coming down from Bashan to the Jordan.
393 Zarephath, the Ancient Sarepta.

EASTERN LIFE, Customs, Etc.
394 Beating the Olive Trees.
395 Camp Arab.
396 under Mt. Carmel.
397 Life. Interior of the Sleeping Tent.
398 Life. A Camp outside the Walls of Jerusalem.

378 Smyrna, Turkish Barracks and the Bay.
379 The Quay.
376 Tomb of S. Polycarp.
375 Caravan of Camels with Ford of Carava.
374 Syrian Ladies.
373 Tabor, from Nain.
372 Tiberias Castle, from rear.
371 Tiberias.
370 " S. end of Lake.
369 " from the Lake.
368 " and Castle from the Lake.
367 on Lake of Galilee, Hills of the country of the Gadarenes seen on the other side.

399 Carpenter's Shop.
400 Carrying Child on Shoulder.
401 Dipping the Hand in the Dus.
402 Girls Carrying Beds on Heads.
403 Measuring Grain, "Pressed down, running over."
404 Mohammad at Prayer on Wayside Platform.
405 Ploughing in Syria.
406 with Oza and Ass.
405 with Oxen.
404 Shepherd and Sheep.
403 Sheepfold.
402 Old Wine Presses.
401 Women Grinding Corn.
402 Two Grinding at the Mill.
401 Washing Hands.
400 with Waterpots near Condi.

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37 " S. Cecilia " " Raphael"
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59 Virgin and Child (Murillo).
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64 Magdalene (Feuentein)
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82 S Cecilia (Veith)
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88 Picta (Lerch)
89 In the Church. Devotion (Max Ehler)
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102 "Come unto Me"; Christ at a Modern Communion Service (Wucherer).
103 Christ Bound and Mocked by Modern People (Beraud).
105 Faith, Hope, and Charity (Delance).
106 Christmas Bells (Blashfield).
107 The Prayer (Child Praying) (Sahn).
108 Evening Prayer (Larouze).
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110 Guardian Angels (Munier).
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117 Sanctuary (Steinheil).
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138 The Knight at the Cross. With words. "Silent Prayer" (Waller).
139 The Evening Hymn. Int. of Church (Twidle).
140 Crusaders Marching. "Onward, Christian Soldiers" (Twiddle).
141 Follow Me" (Twiddle).
142 "Of such is the Kingdom of Heaven" (Twiddle).
143 Christ and His Knight. "Sending forth" (Twiddle).
144 Christ and His Knight. "Kept by the Power of God" (Twiddle).
146 The Heavenly Pilot. Christ Steering the Boat (Twidle).
147 An Angel Carrying a Child to Heaven (Dixon).
148 The Sword of Damocles.
149 A Hopeless Dawn. Fisherman's Wife and Mother after a Stormy Night (Bramley).
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151 The Children's Saviour (Haycraft).
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162 His only Friend (Walt and Dog) (Briton Riviere).
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164 Harmony (Frank Dicksee).
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11 Hymn.
12 Christ before Caiaphas (Dixon).
13 The Garments of the High Priest (Tissot).
14 The Election of Aaron (Tissot).
15 Before the Ark (Tissot).
16 Brought to the Temple (Tissot).
17 At Work in the Temple (Tissot).
18 The High Priest Making Atonement.
19 Behind the Veil (Tissot).
20 Presentation in the Temple (Tissot).
21 Jesus Brought to the High Priest in the Temple (Feuerstein).
22 Christ Preaching.
23 Ananias and Caiaphas (Tissot).
24 Raising Lazarus (Bida).
25 The Rulers taking Counsel Together (Tissot).
26 Cleansing the Temple (Hofmann).
27 Judas and the Priests (Dixon).
28 The Chief Priests Waiting (Tissot).
29 Calaphas Condemns Christ (Tissot).
30 Prophecy unto us, Thou Christ (Dixon).
31 Christ Presented to the People (Hofmann).
32 Martyr at the Stake (Reiff).
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36 Silent Prayer.
37 Hymn.

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8 "When Heaven's Arches Shall Ring." (Dixon).
9 Christ before Herod (Dixon).
10 Hymn.
11 Bearing the Cross (Statuary).
12 Esau (Tissot).
13 Herod and the Wise Men (Tissot).
14 Masacre of the Innocents (Cotagnet).
15 Flight into Egypt (Tissot).
16 Herod the Tetrach (Tissot).
17 "Go Tell that Fox." (Tissot).
18 The Temple in the Time of Herod (Tissot).
19 Christ in the Temple (Tissot).
20 The Widow's Mite (Tissot).
21 Herodias (Downey).
22 John the Baptist (Tissot).
23 "The Axe Laid to the Root of the Tree." (Tissot).
24 Herodias Dancing (Tschantsch).
25 John Beheaded (Morelli).
26 Our Saviour (Hofmann).
27 Savonarola Preaching (Languemantel).
28 Herod Mocketh Christ (Morelli).
29 "Is it Nothing to You?" (Dicksee).
30 Ascot Sunday at Boulter's Lock (Begg).
31 A Christian Martyr (Friesel).
32 Daniel in the Lions' Den (Tissot).
33 Christian's Temptation (Copping).
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6 "I am this Dark World's Light." (Holman Hunt).
7 Christ Condemned by Pilate (Statuary).
8 Hymn.
9 "Is it Nothing to You?" (Dixon).
10 House of Pontius Pilate, the Governor.
11 The Forum, Site of the Gabbatha (Tissot).
12 Thems, Goddess of Justice (Statue).
13 The Roman Soldier (Tissot).
14 Roman Bull Fight (Wagner).
15 A Typical Jew (Tissot).
16 The Temple and the Aqueduct (Tissot).
17 After the Massacre (Tissot).
18 The Wise and Foolish Virgins (Fangel).
19 Pilate and the Chief Priests (Dixon).
20 Christ before Pilate (Dixon).
21 "I Find no Fault in Him." (Dixon).
22 Pilate and the People (Dixon).
23 Christ Led Back to Pilate (Tissot).
24 Scourging (Dixon).
25 Mocking (Dixon).
26 Behold the Man (Dixon).
27 The Dream of Pilate's Wife (Downey).
28 Presented to the People (Hofmann).
29 Tiberius (Statue).
30 Pilate Washes his Hands (Tissot).
31 Joseph of Arimathea and Pilate (Dixon).
32 Mock Pilate.
33 The Man in the Iron Cage (Copping).
34 The Martyr at the Stake (Copping).
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37 Hymn.
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20. Come unto Me (Tissot).
21. Then Took They up Stones (Tissot).
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23. The False Witnesses (Tissot).
24. Let Him be Crucified (Tissot).
25. Babarbas (Tissot).
26. To Golgotha (Hofmann).
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33. The Pilot.
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13. Peter’s First Denial (Tissot).
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15. The Lord Turned and Looked on Peter (Graf Harrach).
16. Pilate and the Priests (Dixon).
17. Christ before Pilate the First Time (Tissot).
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25. "Weep Not for Me" (Statuary).
26. The First Nail (Tissot).
27. "There is a Green Hill."
28. "We May Not Know, we Cannot Tell" (Tissot).
29. "He Died that we Might be Forgiven" (Tissot).
30. "There was None Other Good Enough" (Benz).
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35. Ecce Homo (Guido Reni).
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9. "Bow Thy Meek Head" (Dixon).
11. "Bread of the World" (Muller).
12. "And be Thy Blood to us the Token" (Hofmann).
17. The Betrayal (Doré).
18. Peter and John Following Afar Off (Dixon).
19. The Derision (Hofmann).
20. The Scourging (Doré).
21. Christ Bearing the Cross (Forsyth).
22. "There is a Green Hill Far Away" (Clark).
23. "We May Not Know" (Dixon).
24. "He Died that we Might go to Heaven" (Dixon).
25. "There was no Other" (Thorwaldsen).
26. "Oh, Dearly, Dearly, has He Loved" (Hofmann).
27. Nailed to the Cross (Doré).
28. "O come and Mourn" (Benz).
29. "Have we no Tears?" (Plockhorst).
30. "How Fast His hands" (Dixon).
31. "Seven Times He Spake" (Dixon).
32. "Come, Let us Stand" (Hofmann).
33. "A Broken Heart" (Linguer).
34. "The Penitent Thief" (Tissot).
35. Hymn.
36. The Confession of the Centurion (Dixon).
37. Hymn.
38. Taken Down from the Cross (Papperitz).
39. The Dead Christ (De la Roche).
40. Carried to His Burial (Pfandschmidt).
41. The Entombment (Jalabert).
42. By Jesus' Grave (Hofmann).
43. In the Sepulchre (As Schafer).
44. Hymn.
45. Silent Prayer.

YR IX.—TEPTATION.

Beautifully Painted, £15 0s. 6d. the set.
Cheap Series, Painted, £6 12s. 6d.
Plain Slides, £2 8s. 9d.

1. Hymn.
2. Jesus Pray.
3. Litany.
4. With the Wild Beasts (Vedder).
5. "Angelic Songs are Swelling" (Bodenhausen).
6. "Hark we Hear them Singing" (Thomson).
7. "The Voice of Jesus" (Dietrich).
8. "Rest Comes at Length" (Falcio).
10. The Baptism of Jesus (Hofmann).
11. The First Temptation (Dixon).
12. The Miracle of the Loaves and Fishes (Tissot).
13. The Trial (Frith).
14. Napoleon (De La Roche).
15. Christ at Prayer (Heufic).
17. Ancient Jerusalem (Martin).
18. Coming in Clouds.
19. The Pharisees Question Jesus (Tissot).
20. "Wilt Thou that we Command Fire?" (Dixon).
22. Savonarola Preaching (Langenmantel).
23. Savonarola's Farewell (Häberlin).
25. The Dungeon of Giant Despair (Dixon).
27. The Kingdoms of this World (Dixon).
28. The Derision (Hofmann).
29. "All shall he Thine" (Cornelius).
30. Ancient Carthage (Turner).
31. Regulus Departing for Carthage (Canaucina).
32. "Get thee behind Me, Satan" (Hofmann).
33. The Christian Malden (Merle).
34. The Lord is Nigh (Tissot).
35. Our Saviour (Hofmann).
36. The Straits of the Sirens (Speed).
37. The Burning Fiery Furnace.
38. Hymn.

For continuation of these New Lantern Services see next page.
LANTERN SERVICES—Continued.

"LANTERN SERVICES." VOLUME II.

Containing all the following Fifteen Services, Cloth bound, 3s. net.

The first four of these, Nos. X. to XIII., are specially suitable for an Advent course; the next five, Nos. XIV. to XVIII., on "A Disciplined Body," are primarily intended for a Lenten course, to be concluded by No. XIX., "The Way of Grief," in Holy Week. The remainder are suitable for any time in the Church's year, the four last, Nos. XXI. to XXIV., lending themselves to a course on "Lives"—The Life of Joseph, Moses, St. Peter, the Voyage of Life; and some may like to add The Life of Christ, using the 30 Slides by Hoffmann on page 301 to illustrate it.

YS

X.—THE COMING OF THE LORD.

Beautifully Painted, £12 1s. 6d. the set.
Cheap Series Painted, £5 7s. 0d. ,,.
Plain Slides, £1 17s. 9d. ,,.

1 Hymn.
2 Let us Pray.
3 Short Confession.
4 Lord's Prayer.
5 Psalm xc.
6 He is Risen (Blosch).
7 The Assyrians Slain (Villégas).
8 A Gift from Heaven (Plockhorst).
9 In the Church (Rettel).
10 The Rider on the Pale Horse (Dorè).
11 The Shepherd's Chief Mourner (Landseer).
12 The Ring of Terrors (Tissot).
13 In the Cemetery.
14 The Catacombs at Rome.
15 St. Stephen (Mullais).
16 The Entombment (Hofmann).
17 Martyrdom of St. Stephen (Mariani).
18 When ye Shall Search.
19 Christ the Conserver (Blindl).
20 The Last Trump (Dixon).
21 Silent Prayer.
22 Hymn.
23 They Took their Lamps (Dixon).
24 They all Slumbered (Dixon).
25 The Midnight Cry (Dixon).
26 They Trimmed their Lamps (Dixon).
27 Parable of the Sower.
28 The Oil on the Fire (Dixon).
29 They Went Away to Buy (Dixon).
30 The Bridegroom Came (Dixon).
31 The Shut Door (Dixon).
32 Crucifixion (Hofmann).
33 Hymn.

YT

XI.—DEATH AND AFTER.

Beautifully Painted, £10 15s. 6d. the set.
Cheap Series Painted, £5 6s. 0d. ,,.
Plain Slides, £1 19s. 3d. ,,.

1 Hymn.
2 Let us Pray.
3 Short Confession.
4 Lord's Prayer.
5 Psalm xc.
6 He is Risen (Blosch).
7 The Assyrians Slain (Villégas).
8 A Gift from Heaven (Plockhorst).
9 In the Church (Rettel).
10 The Rider on the Pale Horse (Dorè).
11 The Shepherd's Chief Mourner (Landseer).
12 The Ring of Terrors (Tissot).
13 In the Cemetery.
14 The Catacombs at Rome.
15 St. Stephen (Mullais).
16 The Entombment (Hofmann).
17 The Resurrection (Hofmann).
18 St. Peter Preaching (Dixon).
19 Crossing the River (Copping).
20 Meditation on Death.
21 The Rich Fool (Tissot).
22 Hymn.
23 Trial of the Dead in Ancient Egypt.
24 The Judgment Hall of Osiris.
25 The Sheep and the Goats.
26 The Unprofitable Servant (Dixon).
27 The Draw Net (Tissot).
28 Outside the Gate (Copping).
29 The Last Judgment (Dorè).
30 Our Saviour (Hofmann).
31 Silent Prayer.
32 Hymn.
NEWTON & CO., Opticians to the Royal Family,

**LANTERN SERVICES—Continued.**

### XII.—A CAROL SERVICE.

**Beautifully Painted,** £13 10s. 6d. the set.
**Cheap Series Painted,** £5 19s. 6d. **Plain Slides,** £2 6s. 0d.

1. Hymn.
2. Let us Pray.
3. The Lord’s Prayer.
4. The Annunciation (Rood).  
5. The Annunciation (Hacker).
6. Maria (Muller).
7. A Messenger of Peace (Bodenhausen).
8. The Magnificat.
10. Madonna and Child (Bodenhausen).
11. The Holy Family (De Fregger).
13. The Holy Night (Zimmerman).
14. The First Christmas Morn (Thomson).
15. Angels and Shepherds (Edelfeld).
16. The Holy Night (Muller).
17. The Wise Men Journeying (Tissot).
18. The Adoration of the Wise Men (Edelfeld).
22. Hymn.
23. Flight into Egypt (Tissot).
24. Massacre of the Innocents (Cogniet).
25. Mary in the Desert (De la Roche).
27. The Star of Bethlehem (Piglhein).
28. The Birth at Bethlehem (Hofmann).
29. Glory to God (Plockhorst).
30. Madonna and Child (Thurnmann).
31. A Little Child Shall Lead Them (Strutt).
32. A Peacemaker (Marcus Stone).
33. Henry IV. Distributing Food at Christmas.
34. Virgin and Child (Max).
35. Silent Prayer.
36. Hymn.

### XIII.—THE MOTHER OF OUR LORD.

**Beautifully Painted,** £12 4s. 6d. the set.
**Cheap Series Painted,** £5 10s. 0d. **Plain Slides,** £2 4s. 6d.

1. Hymn.
2. Let us Pray.
3. Short Confession.
4. Lord’s Prayer.
5. Magnificat.
6. Annunciation (Rossetti).
7. Virgin and Child (Max).
8. Holy Night (Feuerstein).
9. Patient in Tribulation (Goodall).
10. Maria Magdalene (Lingner).
11. Madonna and Child (Thurnmann).
12. The Child Christ, with His Mother (Muller).
14. Holy Family (De Fregger).
15. Hope (Filel).
16. Annunciation (Hacker).
17. Madonna (Dolci).
18. The Light of the World (Holman Hunt).
20. Mary Visits Elisabeth.
22. Nativity (Suchodolski).
23. The Birth of Christ (Zimmerman).
24. Simeon Praising God (Dobson).
25. Adoration of the Magi (Hofmann).
26. Flight into Egypt (Kaulbach).
27. Christ in His Parents’ Home (Hofmann).
28. Jesus Left Behind at Jerusalem (Tissot).
29. Jesus Found in the Temple (Tissot).
30. Hymn.
31. Marriage at Cana (Hofmann).
32. Mater Dolorosa (Brunnner).  
33. Good Friday (De la Roche).
34. The Star of Bethlehem (Piglhein).
35. Silent Prayer.
36. Hymn.

### XIV.—A DISCIPLINED BODY—THE APPETITE.

**Beautifully Painted,** £10 1s. 0d. the set.
**Cheap Series Painted,** £4 12s. 6d. **Plain Slides,** £1 13s. 6d.

1. Hymn.
2. Let us Pray.
3. General Confession.
4. Lord’s Prayer.
5. Dives and Lazarus (Forsyth).
6. Psalm 11.
7. Apostles’ Creed.
8. Versicles.
9. The Dying Christ (Caracci).
10. St. Mary Magdalene (Scheffer).
11. Towards a Better World (Falero).
12. Crucifix (Statuary).
13. Christ in the Wilderness (Lucas).
14. The First Temptation (Dixon).
15. The Plough (Dobson).
16. Raising of Lazarus’ Daughter (Keller).
17. Sealing of Jairus’ Daughter (Tissot).
18. A Snared Gull (Lodge).
19. Quails are Sent (Tissot).
20. The Plate of Lentils (Tissot).
22. The Rich Man’s Feast.
23. Belshazzar’s Feast (Daré).
24. The First Glass (Dobson).
25. The Drunkard’s Wife.
26. The Drinker.
27. Hymn.
29. The Race (Stewart).
30. C.E.T.S. Pledge Card.
31. The Last Supper.
32. Cottage Piety (Webster).
33. Return of the Prodigal (Duhufe).
34. Silent Prayer.
35. Hymn.
LANTERN SERVICES—Continued.

YX

XV.—A DISCIPLINED BODY—THE TONGUE.

Beautifully Painted, £10 15s. 6d. the set.
Cheap Series Painted, £5 3s. 6d. "
Plain Slides, £2 0s. 6d. "

1 Hymn.
2 Let us Pray.
3 A Short Confession.
4 Lord's Prayer.
5 Psalm cxix., 169—176.
6 Illustrated Text.
7 The Prodigal Son (Statuary).
8 Christ (Statuary).
9 A Snake.
10 The Barabian Ablaze.
11 The Deadly Arrow (Dicksee).
12 Esther Accuseth Haman (Villégas).
13 The Blasphemer Stoned (Doré).
14 Jephthah Sees his Daughter (Tissot).
15 Murder of Becket.
16 The False Witnesses (Tissot).
17 Rabshakeh's Blasphemy (Villegas).
18 Pilgrims in a Storm.
19 Talkative (Coppen).  
20 Christ Preaching (Hofmann).
21 Silent Prayer.
22 Hymn.
23 Carmelite Nun (Forestier).
24 The Buried Talent (Tissot).
25 The Children's Hymn.
26 Nicodemus Visits Christ (Dixon).
27 St. Peter Preaching (Dixon).
28 A Ragged School.
29 Eli and his Sons (Tissot).
30 Grief and Consolation (Wolf).
31 Help, the King's Officer (Copping).
32 The Scold's Bridle.
33 The Cleansed Heart.
34 Ecce Homo (G. Reul).
35 Hymn.

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XVI.—A DISCIPLINED BODY—THE EYE.

Beautifully Painted, £10 5s. 6d. the set.
Cheap Series Painted, £4 17s. 6d. "
Plain Slides, £1 18s. 9d. "

1 Hymn.
2 Let us Pray.
3 General Confession.
4 Litany.
5 Lord's Prayer.
6 Healing the Blind (Hofmann).
7 The Kingdoms of this World (Dixon).
8 The Choice (Max Ehrler).
9 The Blind Beggar (Dyckmans).
10 The Serpent Deceiveth Eve (W. Crane).
11 Pandora (Downey).
12 On the Alert (Koch Koch).
13 Joshua Questions Achan (Tissot).
14 Eunyan and the Bellringers (Copping).
15 A Roman Bullfight (Wagner).
16 Samson Turns the Mill-stone (Tissot).
17 Dante and the Envious (Flandin).
18 The Woman Taken in Adultery (Hofmann).
19 Ephesians Burning their Books (Raphael).
20 Reading the Newspaper.
21 The Man with the Muck-rake (Copping).
22 Silent Prayer.
23 Hymn.
24 Pilgrims at Mecca (Caton Woodville).
25 Westminster Abbey Choir.
26 Primrose.
27 A Christian Maiden (Merle).
28 The Good Samaritan.
29 Job and his Friends (Tissot).
30 Vanity Fair (Copping).
31 Christ and St. Thomas (Zimmermann).
32 Healing the Blind Man (Forysth).
33 Hymn.

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XVII.—A DISCIPLINED BODY—THE EAR.

Beautifully Painted, £10 7s. 6d. the set.
Cheap Series Painted, £4 17s. 6d. "
Plain Slides, £2 0s. 6d. "

1 Hymn.
2 Let us Pray.
3 General Confession.
4 Lord's Prayer.
5 Parable of the Sower.
6 Psalm cxix.
7 The Apostles' Creed.
8 Versicles.
9 Christ the Comforter.
10 Ecce Homo (Plockhorst).
11 The City Gate.
12 Christ Writing on the Ground (Tissot).
13 The Pharisee Questions Jesus (Tissot).
14 The False Prophets (Tissot).
15 The Disobedient Prophet (Gerome).
16 Entangled in the Net (Copping).
17 Canute and the Waves.
18 St. Paul at Athens (Raphael).
19 Hymn.
20 The Serpent and Enchanter (Tissot).
21 He that is of God Heareth God's Voice (Tissot).
22 Jesus with Mary and Martha (Hofmann).
23 The Queen of Sheba (Tissot).
24 Service in Truro Cathedral (Prater).
25 The Rich Young Ruler (Hofmann).
26 Moses and Pharaoh (Tissot).
27 He Passed by on the Other Side (Dixon).
28 The Chief Priests Take Counsel (Tissot).
29 Behold, I Stand at the Door (Hofmann).
30 Cursing the Fig Tree (Dixon).
31 Silent Prayer.
32 Hymn.
NEWTON & CO., Opticians to the Royal Family,

LANTERN SERVICES—Continued.

ZA

XVIII.—A DISCIPLINED BODY—THE TEMPER.

Beautifully Painted, £11 16s. 6d. the set.
Cheap Series Painted, £5 8s. 6d.
Plain Slides, £2 0s. 9d.

1 Hymn.
2 Let us Pray.
3 Short Confession.
4 Lord’s Prayer.
5 Psalm xxxvii. 1—11.
6 Death of Abel (Etty).
7 Peace be unto You (Hofmann).
8 God Protects His Own (Raupp).
9 The Golden Morn is Breaking.
10 The Last Trump (Dixon).
11 Jeremiah (Tissot).
12 My House shall he Called the House of Prayer (Hofmann).
13 Moses Sees the Promised Land (Tissot).
14 Effects of Earthquake.
15 The Unmerciful Servant.
16 Will Thou that we Bid Fire to Come Down? (Dixon)

ZB

XIX.—THE WAY OF GRIEF.

Beautifully Painted, £4 15s. 6d. the set.
Cheap Series Painted, £3 0s. 0d.
Plain Slides, £2 0s. 9d.

1 Hymn.
2 Let us Pray.
3 General Confession.
4 Litany.
5 The Lord’s Prayer.
6 Compassion (Bougereau).
7 Mary at the Cross (Aubert).
8 The Grief of Mary (Lechefre).
9 The Holy Face (Murillo).
10 Words of “The Story of the Cross” (vv. 1—4).
11 The Path of Thorns (Burnaad).
12 The Last Hour (Duran).
13 Words of “The Story of the Cross” (vv. 12—15).
14 The Crucifixion (Bougereau).
15 Crucifix (Stamary).
16 Words of “The Story of the Cross” (vv. 32—96).

The printed service for “The Way of Grief” is included in Vol. II. of “Lantern Services,” but can also be had separately, price 6d.

ZC

XX.—THE GOOD SHEPHERD.

Beautifully Painted, £9 17s. 6d. the set.
Cheap Series Painted, £4 13s. 6d.
Plain Slides, £1 18s. 6d.

1 Hymn.
2 Let us Pray.
3 General Confession.
4 Lord’s Prayer.
5 The Door of the Fold (S. Parker).
6 Psalm xxiii.
7 Creed.
8 Versicles.
9 The Good Shepherd (Walsh).
10 The Good Shepherd (S. Parker).
11 The Good Shepherd (Tissot).
12 The Dying Soldier.
13 Christ at the Door (Ahbey).
14 David Playing the Harp (Statue).
15 The Wilderness.
16 Britanny Sheep (R. Bonheur).
17 The Good Shepherd (Dobson).
18 In Green Pastures.
19 The Shepherd of the Sheep (Plockhorst).
20 The Lost Sheep (Dixon).
21 Mary Magdalene (Hofmann).
22 Silent Prayer.
23 Hymn.
24 He Gileteth Me (Dixon).
25 Hell’s Glen.
26 The Valley of the Shadow (Copping).
27 In Manises Tuas (Bilton Riviere).
28 The Cities of Refuge (Swan).
29 The Shepherd’s Tent (Tissot).
30 The City of Refuge (Tinworth).
31 It is Finished (Lang).
32 Text.
33 Dividing the Sheep from the Goats.
34 Hymn.
LANTERN SERVICES—Continued.

XXI.—JOSEPH.
Beautifully Painted,  £15 15s. 0d. the set.
Cheap Series Painted,  £7 11s. 6d.  
Plain Slides,   £3 1s. 0d.  

1 Hymn.
2 Let us Pray.
3 General Confession.
4 Lord's Prayer.
5 Joseph and his Brethren (Dixon).
6 The Coat of Many Colours.
7 Psalm cv. 1—25.
8 Apostles' Creed.
9 Versicles.
10 Hymn.
11 Birth of Joseph (Tissot).
12 The Boy Joseph (Tissot).
13 Joseph Relates his Dreams (Tissot).
14 Joseph Cast into the Pit (Tissot).
15 The Potter (Tissot).
16 An Ishmael Caravan (Tissot).
17 Ancient Egypt.
18 The Slave Market (Caton Woodville).
19 Joseph when Young.
20 Potiphar's Wife (Downey).
21 Joseph Wept (Tissot).
22 The Prisoner's Hope (Downey).
23 The Lord (Hofmann).
24 Christ the Comforter (Zimmermann).
25 Joseph in the Prison (Tissot).
26 Joseph Interprets the Dreams (Tissot).
27 Head of Angel II.
28 Pharaoh's Dream (Tissot).
29 The Nile Valley.
30 Joseph before Pharaoh (Tissot).
31 Joseph's Triumph (Tissot).
32 Joseph Insppects the Land (Tissot).
33 The People Come to Joseph for Bread (Tissot).
34 A Fruitful Tree (Copping).
35 Silent Prayer.
36 Hymn.
37 Joseph and his Brethren (Tissot).
38 The Play Scene in Hamlet (Manville).
39 Joseph Speaks Roughly to his Brethren (Tissot).
40 Joseph and Benjamin (Tissot).
41 The Cup in Benjamin's Sack (Tissot).
42 Joseph Makes Himself Known (Tissot).
43 Jacob Presented to Pharaoh (Tissot).
44 I am the Way (Hofmann).
45 Hymn.

XXII.—MOSES.
Beautifully Painted,  £12 16s. 0d. the set.
Cheap Series Painted,  £6 4s. 0d.  
Plain Slides,   £2 9s. 0d.  

1 Hymn.
2 Let us Pray.
3 General Confession.
4 Litany.
5 The Lord's Prayer.
6 Moses (Michael Angelo).
7 Hymn.
8 Statue of Rameses II.
9 The Israelites in Bondage (Tissot).
10 Moses (Tissot).
11 The Hiding of Moses (Kohler).
12 Moses as the Son of Pharaoh's Daughter (Tissot).
13 Christ Tempted by Satan (Cornelius).
14 Moses Slays an Egyptian (Tissot).
15 Moses as Shepherd (Downey).
16 The Vision of God (Tissot).
17 Crucifixion (Benz).
18 Come unto Me (Hofmann).
19 Rock of Ages.
20 God Seeks to Kill Moses (Tissot).
21 Moses Speaks to Pharaoh (Tissot).
22 The Plagues of Egypt (Tissot).
23 Death of First-born (Normand).
24 Map.
25 Moses at the Red Sea (Rochegrosse).
26 Passage of the Red Sea (Danby).
27 Moses and the Leaders of the Tribes (Tissot).
28 Silent Prayer.
29 Hymn.
30 On the Edge of the Desert (Tissot).
31 Moses and the Commandments (Tissot).
32 The Tabernacle Set Up.
33 Moses Argues with the People (Doro).
34 The Return to Kadesh (Doro).
35 Moses Striking the Rock (Forsyth).
36 Moses Sees the Promised Land (Tissot).
37 The People Watch Mount Nebo (Tissot).
38 Crucifixion (Benz).
39 Hymn.

XXIII.—ST. PETER.
Beautifully Painted,  £11 15s. 0d. the set.
Cheap Series Painted,  £5 8s. 6d.  
Plain Slides,   £2 1s. 6d.  

1 Hymn.
2 Let us Pray.
3 General Confession.
4 Litany.
5 The Lord's Prayer.
6 Lord Save Me (Hofmann).
7 Hymn.
8 Sea of Galilee.
9 St. Andrew Brings St. Peter to Christ (Dixon).
10 The Calling of St. Peter (Tissot).
11 Christ Preaching on the Sea (Hofmann).
12 The Miraculous Draught of Fishes (Raphael).
13 Jesus Talking to His Disciples.
14 Thou art the Christ.
15 Apostolic Commission (Raphael).
16 Christ (Schwenk).
17 Hymn.
18 Christ Washing Peter's Feet (Ford Madox Brown).
19 On the Road to Gethsemane.
20 Could ye not Watch One Hour (Hofmann).
21 Peter Smites of Malchus' Ear (Tissot).
22 First Denial of St. Peter (Tissot).
23 Second Denial of St. Peter (Tissot).
24 Third Denial of St. Peter.
25 Peter's Repentance.
26 Silent Prayer.
27 Hymn.
28 St. Peter and St. John Run to the Tomb (Tissot).
29 Christ with St. Peter and St. John (Landelli).
30 The Descent of the Spirit (Doro).
31 St. Peter Healing the Lame Man (Raphael).
32 Death of Ananias (Raphael).
33 The Confirmation at Samaria.
34 St. Peter's Vision (Michetti).
35 St. Peter Writing his Epistles (Tissot).
36 Hymn.
### LANTERN SERVICES—Continued.

#### XXIV.—THE VOYAGE OF LIFE.

<table>
<thead>
<tr>
<th>Title</th>
<th>Cost</th>
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<tbody>
<tr>
<td><strong>Beautifully Painted,</strong></td>
<td>£8 7s. 6d.</td>
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<td><strong>Cheap Series Painted,</strong></td>
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</tbody>
</table>

- 1 Hymn.
- 2 Let us Pray.
- 3 Short Confession.
- 4 The Lord's Prayer.
- 5 Psalm cxvii. 23–31.
- 6 Christ Stilling the Tempest (Tissot).
- 7 Hymn.
- 8 Starting on the Voyage (Speed).
- 9 The Wreck of the Cobra.
- 10 The Child's Prayer (Ferre).
- 11 The Chart and Compass.
- 12 Columbus Consulting the Chart (Gullick).
- 13 The Rocks of Unbelief (Speed).
- 14 The Palm Isles of Pleasure (Speed).
- 15 The Gulf of Greed (Speed).
- 16 The Rich Jew (Grutzmacher).
- 17 The Burning of the "Kent" (Hemy).
- 18 Caught in the Ice (Speed).
- 19 The Pit of Destruction (Speed).
- 20 Hymn.
- 21 The Man at the Wheel.
- 22 Christ Walking on the Sea.
- 23 The Strait of the Cross (Speed).
- 24 The Narrows of Perplexity (Speed).
- 25 The Storm on the Lake.
- 26 The Ambush (Speed).
- 27 The Vision of the Harbour (Speed).
- 28 The Fighting "Temeraire" (Turner).
- 29 Crucifix.
- 30 Silent Prayer.
- 31 Sunset.
- 32 Twilight.
- 33 I hope to See my Pilot Face to Face.
- 34 Hymn.

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### "LANTERN SERVICES." VOLUME III.

**Containing all the following Ten Services, Cloth bound, 2s. 6d. net.**

The first three in this volume, Nos. XXV. to XXVII., on Bunyan’s "Pilgrim's Progress," make an excellent course for the three weeks of Advent, or for any time of year; and the remaining seven, on “The Travail of His Soul,” Nos. XXIX. to XXXV., which are based on the words spoken by our Saviour from the Cross, are written specially for a Lenten course.

#### THE PILGRIM'S PROGRESS.

##### XXV.—From Destruction to the Cross.

<table>
<thead>
<tr>
<th>Title</th>
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<tr>
<td><strong>Beautifully Painted,</strong></td>
<td>£13 5s. 6d.</td>
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<tr>
<td><strong>Cheap Series Painted,</strong></td>
<td>£6 9s. 6d.</td>
</tr>
<tr>
<td><strong>Plain Slides,</strong></td>
<td>£2 5s. 3d.</td>
</tr>
</tbody>
</table>

- 1 Hymn.
- 2 "I will arise" (Dubufe).
- 3 General Confession.
- 4 The Lord’s Prayer.
- 5 Flight of Lot (Doric).
- 6 Psalm.
- 7 Apostles’ Creed.
- 8 Versicles.
- 9 Hymn.
- 10 Bunyan before the Justice (Copping).
- 11 The City of Destruction (Linton).
- 12 Christ descends in Glory (Dixon).
- 13 Christian in the Fields (Copping).
- 14 The Pharisee and the Publican (Tissot).
- 15 Evangelist points to the Gate (Dixon).
- 16 Obstinate and Pliable (Dixon).
- 17 The Slough of Despond (Briton Riviere).
- 18 Sir Percival (Waller).
- 19 The Escape from the Slough (Copping).
- 20 Mr. Wardenly Wiseeman (Grutzmacher).
- 21 Christian at Mount Sinai (Copping).
- 22 The Wreckers (Burton).
- 23 Christian at the Gate (Dixon).
- 24 "Come unto Me" (Hofmann).
- 25 "I am the Way" (Hofmann).
- 26 Silent Prayer.
- 27 "I stood outside the Gate" (Tissot).
- 28 "O give me Rest from Sin" (Tissot).
- 29 "Christ at the Door" (Abbaye).
- 30 Hymn.
- 31 Goodwill shows the Way (Dixon).
- 32 Christian at the Door of Interpreter’s House (Conning).
- 33 The Dusty Room (Dixon).
- 34 The Fire and the Oil (Dixon).
- 35 The Valiant Warrior (Dixon).
- 36 The Man in the Cage (Copping).
- 37 Christian loses his Burden (Copping).
- 38 Crucifix (Forsyth).
- 39 Hymn.
- 40 Let us Pray.
LANTERN SERVICES—Continued.

XXVI.—From the Cross to the Fair.

Beautifully Painted, £14 10s. 6d. the set.
Cheap Series Painted, £6 17s. 6d. the set.
Plain Slides, £2 4s. 9d. the set.

1 Hymn.
2 Let us Pray.
3 Short Confession.
4 The Lord’s Prayer.
5 Psalm.
6 Christ teaching the Multitude.
7 Hymn.
8 Christ loses his Burden (Copping).
9 Simple, Sloth and Presumption (Cuthbert).
10 Climbing the Hill of Difficulty (Copping).
11 Christian in the Arbor (Dixon).
12 Timorous and Mistrust (Burnand).
13 Christian recovers his Roll (Dixon).
14 The Lions in the Way.
15 The First Confirmation (Fuhrich).
16 Christian and Discretion (Reham).
17 Christian clothed in Armour (Copping).
18 The Valley of Humiliation.
19 Christ washing Peter’s Feet (Madox Brown).
20 Christian and Apollyon: the Attack (Dixon).
21 Christian and Apollyon: the Struggle (Dixon).
22 In the Valley of the Shadow of Death (Copping).

THE TRAVAIL OF HIS SOUL.

A Series of Lenten Addresses on the Words from the Cross.

XXIX.—Christ and Sinners.

"Father, forgive them, for they know not what they do."

Beautifully Painted, £11 4s. 0d. the set.
Cheap Series Painted, £5 5s. 0d. the set.
Plain Slides, £2 3s. 6d. the set.

1 Hymn.
2 “I will arise” (Dubufe).
3 General Confession.
4 The Lord’s Prayer.
5 The Holy Face (Murillo).
6 Psalm.
7 The Apostles’ Creed.
8 Versicles.
9 Hymn.
10 Ecce Homo (Guido Reni).
11 They derided Him (Tissot).
12 Jerusalem in our Lord’s Time (Tissot).
13 Christ preaching to the Multitude (Copping).
14 Healing the Leper (Copping).
15 Woe unto you, Scribes and Pharisees (Tissot).
16 Parable of the Sower.
17 Mary at the Cradle (Aubert).
18 The Creation of Light (Martin).
LANERN SERVICES—Continued.

AAG

XXX.—Christ and the Penitent.

"To-day shalt thou be with Me in Paradise."

Beautifully Painted, £11 1s. 0d. the set.
Cheap Series Painted, £5 5s. 6d. "
Plain Slides, £2 3s. 0d. "

19 Cleansing the Leper (Hole).
20 The Door of the Fold (Parkes).
21 Christ teaching the Multitude.
22 The Resurrection (Plockhorst).
23 Hymn.
24 Silent Prayer.
25 Penal Servitude (Frib.)
26 Mary washing Christ's Feet (Hofmann).
27 The Adoration of the Lamb (Van Eyck).
28 The Ebbing Tide.
29 Breaking the Thieves' Legs (Tissot).
30 Too Late (Copping).
31 Hymn.
32 Paradise (Martin).
33 In Sickness and in Health (Taylor).
34 Peace be unto you (Hofmann).
35 The Last Trump (Dixon).
36 Hymn.

AAB

XXXI.—Christ and His Friends.

"Woman, behold thy son. Behold thy mother."

Beautifully Painted, £12 1s. 6d. per set.
Cheap Series Painted, £5 7s. 0d. "
Plain Slides, £2 4s. 3d. "

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20 Compassion (Bouguereau).
21 Stabat Mater (Lazerges).
22 "Haste thee, Wanderer" (Lefebvre).
23 The Dying Christ (Caracci).
24 Hymn.
25 Beneath the Cross (Fellows-Pryme).
26 St. John and the Samaritans (Dixon).
27 Christ rebukes St. John (Dixon).
28 St. John at the Cross (Aubert).
29 St. John and the Virgin (Aubert).
30 The Harbour of Refuge (Walker).
31 St. John (Forysth).
32 "Thy Mother" (Liske).
33 Christ's Family (Wencher).
34 "Lord, have Mercy" (Dietricb).
35 Silent Prayer.
36 Hymn.

AAI

XXXII.—Christ and Perplexity.

"Eloi, Eloi, Lama Sabachthani."

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Cheap Series Painted, £5 4s. 0d. "
Plain Slides, £2 2s. 0d. "

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20 The Slough of Despond (Copping).
21 The Good Shepherd (Dixon).
22 Faith (Burne-Jones).
23 Sir Galahad (Watts).
24 "In Manus Tuas" (Briton Riviere).
25 "Kept by the Power of God" (Twidle).
26 Hymn.
27 The Christian Martyr.
28 Crucifix (Forysth).
29 "If thou hast known" (Hole).
30 The Way of the Cross (Berard).
31 "My Kingdom is not of this world" (Danger).
32 "The Lord looked upon Peter" (Dixon).
33 Jesus meets Peter in Galilee (Hole).
34 Christ questions St. Peter (Dixon).
35 Silent Prayer.
36 Hymn.
3, Fleet Street, Temple Bar, London, E.C.

LANTERN SERVICES—Continued.

XXXIII.—Christ and Pain.

"I thirst."

Beautifully Painted,
Cheap Series Painted,
Plain Slides,

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£4 19s. 6d. "
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19 Alexander and his Soldiers (Doré).
20 Christ crowned with Thorns (Beraud).
21 Christ on the Cross (Velasquez).
22 Faith (Firle).
23 Hymn.
24 Wine mingled with Myrrh (Fellowes-Prynne).
25 Tempted to Drink.
26 The Sponge of Vinegar (Dixon).
27 The Good Samaritan (Plockhorst).
28 The Spiritual Mission (Koopman).
29 The Mohammedan at Prayer.
30 An English Crowd.
31 Water from the Well of Bethlehem.
32 Crucifix (Forsyth).
33 Christ and the Woman of Samaria (Copping).
34 "Jerusalem, Jerusalem" (Tissot).
35 Silent Prayer.
36 Hymn.

XXXIV.—Christ and His Work.

"It is finished. Into Thy Hands."

Beautifully Painted,
Cheap Series Painted,
Plain Slides,

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£5 13s. 0d. "
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21 "In the Land of Strangers" (Tschautsch).
22 "From the Land of Hunger" (Dixon).
23 "See the Door still Open" (Dixon).
24 "Far off thou hast Wandered" (Copping).
25 "Thou art Friendless" (Dubaut).
26 Hymn.
27 Christian in the Field (Copping).
28 Hosea (Tissot).
29 The Creation (Tissot).
30 The Sacrifice (Tissot).
31 The Blood on the Door (Tissot).
32 Crucifix (Forsyth).
33 Icarus (Leighton).
34 Rock of Ages.
35 Silent Prayer.
36 Hymn.

XXXV.—The Day of the Cross.

For Good Friday.

Beautifully Painted,
Cheap Series Painted,
Plain Slides,

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18 Magdalene Repentant (Teller).
19 The Grief of Mary (Leibvre).
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21 Hymn.
22 The Crucifixion (Dixon).
23 "They Parted His Garments" (Tissot).
24 "They Railed at Him" (Tissot).
25 Ananas and Caiaphas (Tissot).
26 The Impenitent Thief (Dixon).
27 The Centurion (Tissot).
28 The Pardoning of the Penitent Thief (Dixon).
29 Barabbas (Tissot).
30 Crucifix (Forsyth).
31 Silent Prayer.
32 Hymn.
LANTERN SERVICES—Continued.

"LANTERN SERVICES." VOLUME IV.
(IN PREPARATION.)

In addition to the three volumes already mentioned in the previous pages, a fourth is in preparation, particulars of which will be duly given in our Supplementary Lists.

At present only one Service is ready, No. XXXVI, "Opportunity," suitable for use at any period of the Church’s year. Pending the completion of Volume IV., this new Service, "Opportunity," is published separately in pamphlet form, price 6d.

This Set of Slides, like all the Lantern Services on the foregoing pages, can be had on Hire during Advent and Lent at 10s. 6d. per evening. At all other times of the year the hiring charge will be 7s. 6d. per evening.

ABX

XXXVI.—OPPORTUNITY.

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5 The Sower (Millet).
6 Opportunity.
7 Caiphas (Doré).
8 Crucifixion.
9 Pilate (Dixon).
10 Pilate Washing his Hands (Dixon).
11 The Crowd, Calvary (Selous).
12 The Penitent Thief (Dixon).
13 The Rich Young Ruler (Hofmann).
14 The Unprofitable Servant (Dixon).
15 St. George and the Dragon.
16 The Lighthouse.
17 "Brightly beams our Father’s mercy."
18 Chorus, "Let the lower lights he burning."
19 "Dark the night" (Gribble).
20 "Trim your feeble lamp " (Duncan).
21 The Wreckers’ Light.
22 Sanctuary (Steinheil).
23 The City of Refuge (Tinworth).
24 "Come unto Me " (Duhnke).
25 Hymn.
26 The Eve of the Flight.
27 The Flight into Egypt (Girardet).
28 The Children’s Prayer (Hacker).
29 "Of such is the Kingdom of Heaven " (Iwilde).
30 The Vessel’s Track.
31 Sunset.
32 Christ Mocked (Dixon).
33 Peter’s Repentance (Bida).
34 Christ Driven to Calvary by Modern People (Beraud).
35 "Come unto Me " (Hofmann).
36 Hymn.

SL

THE CHRISTIAN LIFE.

This is not a complete Service, but an Address, which can be divided into two if thought too long for one evening.

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Reading, 6d.

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3 F:INEING. The Soul’s Awakening (Sant).
4 PRAYER. The Children’s Hymn.
5 CONFIRMATION. The Knight’s Vigil (Petite).
6 PERPET. The Bible Class.
7 EXAMPLE. "Worn out." (Fenol).
8 SACRIFICE. Florence Nightingale.
9 OBEDIENCE. Missionary preaching.
10 DUTY. Wrench of the "Birkenhead."
11 FAITH. "Lord, I believe; help thou mine unbelief."
12 WORKS. The Hermit.
13 LOVE. “By this shall all men know ye are My disciples.”
14 CHARITY. The Blind Beggar (Dyce-Arms).
15 VISITING THE FATHERLESS. The Orphans.
16 GIVING TO GOD. Marous Carlsu.
17 THE STRUGGLE WITH SIN. Athlete and Python (Leighton).
18 THE ARMOUR OF GOD. King Arthur.
19 TRUST IN GOD. “In Manus Tuas Domine” (Britten Riviere).
20 PRAYER. "Let us therefore come boldly unto the Throne of Grace."
21 WATCHING. On the alert.
22 TEMPERANCE. The Race.
23 JUSTICE. Moonlight on the water.
24 MERCY. His first offence (Lady H. M. Stanley).
25 SYMPATHY. The Princess of Wales (Queen Alexandra) visiting the Hospital Ship.
26 PURITY. Art Study (Downey).
27 TEMPTATION. The first glass.
28 FAITH. The Choice—Christ or the World.
29 FORGIVENESS. Mary Magdalen.
30 HOPE. Pandora’s Casket.
31 DEPENDENCE ON GOD. Joan of Arc.
32 PUBLIC WORKS. City Imperial Volunteers at St. Paul’s.
33 THE CUP OF COLD WATER. The Guardian Angel.
34 CALLING FOR SELF. The Illes of the field.
35 INDUSTRY. The Shipyard (Leighton).
36 GEE. The rich Jew.
37 PAIN. The Crowd of Glory.
38 TROUBLE. The Widow.
39 PEACE AFTER STRIFE. The Fighting Téméraire (Turner).
40 DEATH. The Death-bed of John Wesley.
SACRED SERVICES.

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FL

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For Lent or Holy Week.

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2 Hymn, 'Tell me the old, old story."
3 Adam and Eve expelled from the Garden of Eden. The Serpent
4 Adam and Eve expelled from the Garden of Eden
5 Abraham offering up Isaac
6 The Scapegoat
7 The Crypt of Hyde Church
8 The Angels appearing to the Shepherds
9 The Manger. The arrival of the Shepherds
10 The Lost Sheep. (Best Hand-painted, 45s.
11 Christ in the Carpenter's Shop

FM

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Taken from the Fifteenth chapter of St. Luke's Gospel.

The three introductory pictures 8s. 6d. each, beautifully painted.

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1 "My sheep follow Me."
2 "He shall gather the lambs with His Arm."
3 "Putteth him on His shoulder."
4 Seeking the lost Sheep
5 The Lost Sheep.
6 The Lost Silver.
7 "Sweepest diligently till she find it."

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FN

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And He said unto them all, "If any man will come after Me, let him deny himself, and take up his cross daily, and follow Me."

9 The Shadow of "Mirth's" Cross leads him to do "Innocence's" faded Lily
10 "Wayward" goes on alone
11 "Charity" with her Cross quells the lion
12 "Charity" helps "Wayward" to recover his cross
13 "Wayward" goes into the wood
14 "Mirth" holding up his Cross to the Sun
15 Tomb of the Author showing the raised iron cross which always cast its shadow on his grave

FO

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Book, Is.

1 The Gates of the City
2 The Four Brothers dividing the Property
3 The Old Man appears and gives warning and advice
4 Eldest Brother's whole time was claimed by the Spirit of the Gold Mine
5 Second Brother builds a Tower to Fame
6 Third Brother is preceded by a Herald with trumpet when he distributes his riches
7 Fourth Brother sends his riches by the Royal Messengers in the still hour of night
8 Eldest Brother receives the sentence of banishment and prays for one day longer

9 Second Brother receives his sentence, and sees his lofty tower dwindling to a sepulchre
10 Third Brother receives the sentence, and discovers to late that all his riches have been spent on self, and pride has been his ruin
11 Fourth Brother receives the sentence of banishment from the City, and a voice whispers, as of a little child, "I was an orphan, weak and friendless, and ye ministered unto me"
12 Fourth Brother borne by angels to the gates of the Glorious City; the Old Man said, "A light of brilliance unutterable awaits thee there."
LIFE OF BUNYAN.

As narrated by himself in his work "Grace Abounding." By permission of the Religious Tract Society.

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2 In the midst of his game hears a Voice from Heaven.
3 Watching the bell-ringers at the steeple-door.
4 Bunyan and the poor women of Bedford.
5 In Mr. Gifford’s house.
6 Moping in the field in his despair.
7 Seeking help from an aged Christian.
8 Distress of conscience at denying the Lord.
9 In his home hears a Voice bidding him “Go to Jesus.”
10 Preaching to the countryside.
11 Slandered by the ignorant and malicious.
12 Before the Justice.
13 Tried before the court. His determination to preach the Gospel at all costs.
14 Bunyan’s wife pleading before the judges.
15 Parting with his wife and children.

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3 The Slough of Despond
4 The Wicket Gate
5 The Man in the Iron Cage
6 Christian loses his Burden
7 Climbing the Hill Difficulty
8 Christian clothed in Armour
9 In the Valley of the Shadow of Death
10 Safely through the Valley of the Shadow of Death
11 Talkative
12 Christian and Faithful pass through Vanity Fair
13 Faithful’s Martyrdom
14 Demas. “Then said Hopeful, ‘Let us go see’”
15 In the Dungeon of Giant Despair
16 The Hill of Error
17 Entangled in the Net
18 Hopeful’s Conversion
19 Crossing the River
20 Christian’s Visitor
21 Mercy and Mrs. Timorous call on Christiana
22 Mercy at the gate
23 The Boys and the apples
24 Man with the Muck Rake
25 Climbing the Hill Difficulty
26 Mr. Brisk and Mercy
27 The Shepherd Boy’s Song
28 Death of Giant Maul
29 Great Heart conducting Mr. Pearing through the Valley of release from the Shadow of Death
30 Great Heart and Mr. Honest at Calais’ House
31 Mr. Despondency and his daughter Miss Much Afraid
32 Christiana blessing her Children
THE PILGRIM’S PROGRESS.

This is a Series of Slides, designed so as to correspond with each other, avoiding the variations in dress and feature which spoil most long sets on this subject. This makes a most excellent series when painted, but for Plain Slides we prefer series V.V., which are photographed direct from the drawings by Harold Copping.

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3 Evangelist Points to the Gate.
4 Obstinate Goes Railing Home.
5 The Slough of Despond.
6 Christian at Mount Sinai.
7 Christian at the Gate.
8 Goodwill Shows the Way.
9 Christian Arriving at the Interpreter’s House.
10 Casting Water and Oil on the Fire.
11 The Valiant Warrior.
12 The Man in the Cage.
12a Christian sees the Cross.
13 Christian Arrives at the Cross and Sees the Three Shining Ones.
14 Christian Climbing the Hill Difficulty.
15 Christian Rests in the Harbour and loses his Roll.
16 Christian Returns and finds the Roll.
17 Christian Encounters Two Lions before the Palace Beautiful.
18 Christian Clothed in Armour.
19 Christian and Apollyon: The attack.
20 Christian and Apollyon: The struggle.
21 Christian and Apollyon: Christian’s triumph.
22 Christian Enters the Valley of the Shadow of Death.
23 Christian in the Valley of the Shadow of Death: His Deliverance.
24 Christian Avoids the Cave of Giant Pope.
25 Evangelist Tells of Vanity Fair.
26 Christian and Faithful Pass through Vanity Fair.
27 Christian and Faithful: The trial.
28 Faithful Burnt at the Stake.
29 Faithful Carried to Heaven.
30 Christian and Hopeful leaving Vanity Fair.
31 Demas.
32 The Pilgrims in the Storm.
33 Caught by Giant Despair.
34 The Pilgrims in the Dungeon of Doubting Castle.
35 Giant Despair Takes the Pilgrims into the Courtyard of his House.
36 The Pilgrims Escape from Doubting Castle.
37 Giant Despair has a Fit.
38 The Pilgrims Welcomed by the Shepherds of the Decidable Mountains.
39 The Hill of Error.
40 Atheist Meets the Pilgrims.
41 Entangled in the Net.
42 The Pilgrims Meet the Two Shining Ones.
43 Christian and Hopeful Crossing the River of Death.
44 The Pilgrims Ascend to Heaven.
45 The Pilgrims Crowned.
46 The Pilgrims Before the Throne.

HA THE PILGRIMAGE OF CHRISTIANA & HER CHILDREN.

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4 The two sides of the Wicket, Mercy at the Gate.
5 Onward from the Wicket Gate: Christiana is shown the man with the muck-rake.
6 Tarrying at the Interpreter’s House; the Pilgrims are clothed in white.
7 The Pilgrims arrive in sight of the Cross.
8 Pilgrims reach the Hill Difficulty, tired and weary, longing for rest.
9 The Arbour on the Hill, where the Pilgrims rest and are refreshed.
10 Welcomed at the Palace “Beautiful”; Pilgrims are entertained by Prudence and Piety.
11 Valley of the Shadow of Death, where Christiana did play the man and fought Apollyon.
12 Apollyon, effect for dissolving.
13 The Battle; Great Heart slays Giant Despair and cuts off his head.
14 The Pilgrims arrive at the River of the Water of Life, of which they drink freely, without money and without price.
15 Arrive at Vanity Fair, and are entertained at the house of one Mr. Man.
16 Attack on Doubling Castle by Great Heart and Christiana’s four Sons; Giant Despair is slain.
17 The Pilgrims reach the Enchanted Ground, the Wearying Way; dark and dreary.
18 The Land of Beulah, Pilgrims rest in the pleasant land where the sun shineth night and day.
19 The River of Death; the farewell; and the entrance and welcome to the beautiful Throne on the other side.

Note.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
RS
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5 Temptation and Trial. The Soul puts on the whole Armour of God and fights against Sin

6 Sanctification and Peace. Through the Grace of the Holy Spirit and study of the Word it attains to a heavenly crown

The Downward Path.

7 The Natural Man. The Soul’s eye closes. An Angel pleads in vain. Satan takes his place in the Soul
8 Philosophy and Science, falsely so called. The Bible is cast aside and self-glory fills the soul
9 Enchantment of Sin and Lust. Excess is added to the other sins, and the Soul is bound in chains
10 Reprobate. Satan is enthroned in the Soul

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3. Mirth Harbour, Pleasureland
4. The Roads of Intemperance
5. Gulf of Speculation, Wealthland
6. Promontory seen from Light-ship, Falmouth in the distance
7. The Tower of Mercy
8. The Icebergs
9. Captain Brightness sees from Mr. Conscience
10. Consolation Castle
11. The Fleet of Sceptics
12. Conflict Channel
13. Temptation Point, and Channel of Worldly-desires
14. The Narrows of Trouble
15. The Straits of Affliction
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19. Left on the Bar

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4. Nero's persecutions of the Christians (Kaulbach)
5. The Triumph of Germanicus (Pilott)
6. A Roman Ballfight (Wagner)
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12. Nero watching the burning of Rome. 1s.
13. Death of Britannicus. 1s.

For Slides of Modern Rome see Index.

MOTTOES.
Beautifully Painted, 5s.; Wreaths, 6s. 6d.; Plain Slides, 1s. each.

1. "Wreath of Flowers—Attention"
2. "A Happy New Year"
3. "A Merry Christmas"
4. "Good Night"
5. "Many happy returns of the day"
6. "Silence or Welcome"
7. "Serve the God of Love and Truth"
8. "The heavens declare, &c."
10. "Good Night"
11. "Many Happy Returns," Robin Redbreast
12. "Silence"
13. "Welcome," Birds feeding their Young in Nest
15. "Welcome!", "Wreath of Azaleas"
16. "Interval," "Wreath of Narcissi"

SONGS.
Plain Slides, 6d. each.

1. A. Adieu to thee, fair Rhine
2. Home, Sweet Home
3. It was the eve of Christmas
4. Mountain Song. Let us march along
5. Rule Britannia
6. Should all acquaintance be forgot
7. The Rhine Song
8. True friends help each other
ILLUSTRATED SACRED SOLOS.

In these Sets of Slides the words do not appear on the screen at all. The Solo should be sung by someone whose words can be distinctly heard, and the pictures are to be shown in the order given below as the singing proceeds. In the case of hymns there is usually one picture to each verse.

These Illustrated Solos are most effective. One or more should be used at every Lantern Service.

The first 22 of these Solos are available for Hire on the ordinary terms (see page at end of Catalogue), the remainder are included in, and can only be hired with, the New Lantern Services described on pages 319 to 332.

ACD

"I HEARD THE VOICE OF JESUS SAY" (A. & M.)

Beautifully Painted, £2 8s. 6d. the set.
Cheap Series, £1 2s. 6d.
Plain Slides, 7s. 6d.

1 Come unto Me (Scheffer). Verse I.
2 Christ and the Sinner (Copping). Verse I.
3 The Woman of Samaria (Copping). Verse II.
4 Waterfall. Verse II.

ACE

"COME UNTO ME, YE WEARY" (A. & M.)

Beautifully Painted, £1 15s. 0d. the set.
Cheap Series, 15s. 0d.
Plain Slides, 6s. 0d.

1 Follow Me (Tweedle).
2 Christ the Consoler (Blind).
3 Come unto Me (Dubuie).
4 Christ at the Church Door (Dietrich).

ACF

"NEARER, MY GOD, TO THEE" (A. & M.)

Beautifully Painted, £1 19s. 6d. the set.
Cheap Series, 19s. 6d.
Plain Slides, 6s. 3d.

Virgin at Cross (Plockhorst).
2 Jacob's Dream (Dixon).
3 Steps unto Heaven (Dixon).
4 Jacob's Vow (Copping).

ACG

"THOU ART GONE UP ON HIGH" (A. & M.)

Beautifully Painted, £1 17s. 6d. the set.
Cheap Series, 17s. 6d.
Plain Slides, 4s. 9d.

The Ascension (Copping). Verse I.
2 The Crucifixion. Verse II.
3 The Vale of Tears (Doré). Verse II.
4 The Second Advent (Dixon). Verse III.

ACH

"TEN THOUSAND TIMES TEN THOUSAND" (A. & M.)

Beautifully Painted, £3 18s. 6d. the set.
Cheap Series, £1 18s. 6d.
Plain Slides, 9s. 6d.

The Last Trump (Dixon). Verse I.
2 The Golden Gates (Blind). Verse I.
3 The Saints Ascending (Dixon). Verse II.
4 Carried to Heaven (Dixon). Verse II.
5 Heaven (Martin). Verse III.
6 The Saints Ascending (Dixon). Verse III.
7 The Second Advent (Dixon). Verse IV.
8 Christ Descends in Glory (Dixon). Verse IV.

ACI

"WE SAW THEE NOT" (A. & M.)

Beautifully Painted, £2 6s. 6d. the set.
Cheap Series, £1 1s. 6d.
Plain Slides, 8s. 6d.

1 Christ a Boy at Nazareth (Tissof).
2 The Darkness at the Crucifixion (Duran).
3 The Angel at the Tomb (Penrose).

ACK

"TAKE UP THY CROSS" (A. & M.)

Beautifully Painted, £2 15s. 6d. the set.
Cheap Series, £1 5s. 6d.
Plain Slides, 10s. 8d.

1 Follow Me (Tweedle).
2 Taking up the Cross (Shields).
3 Crucifixion (Benz).
4 The Disciple (Millais).
5 Compassion (Bougereau).
6 The Glorious Company—Praise Thee (Le Jeune).
ILLUSTRATED SACRED SOLOS—Continued.

ACL  "ONCE IN ROYAL DAVID'S CITY" (A. & M.)

Beautifully Painted, £2 16s. 0d. the set.
Cheap Series  "  £1 6s. 0d.  "
Plain Slides,  "  9s. 0d.  "

1 The Nativity (Müller).
2 The Nativity.
3 The Virgin and Child (Bodenhausen).
4 Rest on the Way into Egypt (Beynischlag).
5 "Of Such is the Kingdom of Heaven" (Twidie).
6 "Heaven" (C. S. Dixon).

ACM  "ETERNAL FATHER! STRONG TO SAVE" (A. & M.)

Beautifully Painted, £1 15s. 0d. the set.
Cheap Series  "  15s. 0d.  "
Plain Slides,  "   5s. 0d.  "

1 Stormy Sea.
2 Christ Walking on the Sea (Lawson).
3 The Spirit of God Moving on the Face of the Waters (R. Riviere).
4 God Guards His Own (Raupp).

ACN  "FIERCE RAGED THE TEMPEST" (A. & M.)

Beautifully Painted, £1 14s. 0d. the set.
Cheap Series  "  15s. 0d.  "
Plain Slides,  "   5s. 0d.  "

1 Christ Asleep in a Boat (Constant).
2 Stilling the Tempest (Dietrich).
3 Sunset on the Atlantic.
4 Christ the Consolee (R. Blind).

ACO  "NOW THE DAY IS OVER" (A. & M.)

Beautifully Painted, £3 16s. 6d. the set.
Cheap Series  "  £1 7s. 6d.  "
Plain Slides,  "   9s. 9d.  "

1 Sunset.
2 Moonlight.
3 "Worn Out" (T. Faed).
4 Child and Angels.
5 The Brink of Eternity (Kaulbach).
6 Good Night! (J. E. Millais).
7 Good Morning! (J. E. Millais).
8 The Heavenly Host (Reynolds).

ACP  "JESUS SHALL REIGN" (A. & M.)

Beautifully Painted, £1 13s. 0d. the set.
Cheap Series  "  15s. 0d.  "
Plain Slides,  "   4s. 6d.  "

1 Moonlight on the Sea.
2 Foundling Girls (Merle).
3 Came unto Me.
4 The Desire of all Nations (Fellowes Prynne).

ACQ  "SUN OF MY SOUL" (A. & M.)

Beautifully Painted, £2 1s. 0d. the set.
Cheap Series  "  1s. 0d.  "
Plain Slides,  "   6s. 0d.  "

1 Sunset.
2 Good Night! (Millais).
3 Twilight.
4 The Lord's Prayer (Le Jeune).
5 Worn Out (Faed).
6 Good Morning! (Millais).

ACR  "GLORY TO THEE, MY GOD" (A. & M.)

Beautifully Painted, £2 9s. 6d. the set.
Cheap Series  "  £1 4s. 0d.  "
Plain Slides,  "   8s. 0d.  "

1 Sisep (A. Douillard).
2 The Widow's Prayer (Frere).
3 The Grave.
4 Invocation (Nonnenbruch).
5 Faith.
6 The Evening Hymn (Twidie).
ILLUSTRATED SACRED SOLOS—Continued.

F E

"THE SOWER" (A. & M.)
Beautifully Painted Figures, 8s. 6d. each.
Plain Slides, 1s.

1. The Sower went forth sowing
2. The Heavenly Sower goes forth with better seed
3. Within a hallowed acre He sows yet other grain
4. One day the Heavenly Sower shall reap where He hath sown

F F

"NAZARETH" (Gounod.)
Beautifully Painted, 8s. 6d. each.
Plain Photographs, 1s.

1. "Though poor be the chamber"
2. "Angel voices near"
3. "Draw near and behold Him"
4. "Your crowns cast down"

F G

"THE HOLY CITY" (F. E. Weatherley.)
Beautifully Painted, 8s. 6d. each.
Plain Slides, 1s.

1. "I stood in old Jerusalem"
2. "I heard the children singing"
3. "The sun grew dark with mystery"
4. "The shadow of a Cross arose"
5. "I saw the Holy City"
6. "Hosanna in the Highest"

F H

"I KNOW THAT MY REDEEMER LIVETH" (Handel.)
Beautifully Painted, 8s. 6d. each.
Plain Slides, 1s.

1. "He shall stand at the last day upon the earth"
2. "In my flesh I shall see God"
3. "For now is Christ risen from the dead"

F I

"HE WAS DESPISED" (Handel.)
Beautifully Painted, 8s. 6d. each.
Plain Slides, 1s.

1. "He was despised"
2. "A Man of sorrows"
3. "Rejected of men"

F K

"HE SHALL FEED HIS FLOCK" (Handel.)
Beautifully Painted, 8s. 6d. each.
Plain Slides, 1s.

1. "He shall feed His Flock"
2. "He shall gather the lambs with His Arm"
3. "And gently lead those that are with young"

T R

"ABIDE WITH ME." (A. & M.)
Beautifully Painted, 5s. each.
Plain Slides, 1s.

1. "Fast falls the eventide"
2. "The darkness deepens"
3. "Help of the helpless"
4. "Its glories pass away"
5. "What but Thy grace can foil the tempter's power"
6. "Through cloud and sunshine"
7. "I fear no foe with Thee at hand to bless"
8. "Where, grave, thy victory"
9. "Hold Thou Thy Cross"
10. "Heaven's morning breaks"

Note.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
ILLUSTRATED SACRED SOLOS—Continued.

**ACS**

"SOLDIERS OF CHRIST, ARISE!" (A. & M.)
- Beautifully Painted, £2 17s. 0d. the set.
- Cheap Series, £1 7s. 0d.
- Plain Slides, 11s. 0d.

1. Christ Sending Forth His Soldier (Twidle).
2. Let I am with you Always (Twidle).
3. The Armed Knight (Hassall).

**ACT**

"IN THE HOUR OF TRIAL" (C. H. & H. C.)
- Beautifully Painted, £1 14s. 0d. the set.
- Cheap Series, 15s. 0d.
- Plain Slides, 4s. 0d.

1. In the Hour of Trial (Hofmann).
2. With its Witching Pleasures (Max Eleher).
3. I If with Sore Affliction (R. Blind).
4. When in Dust and Ashes (H. le Jeune).

**ACU**

"I GAVE MY LIFE FOR THEE" (A. & M., New Ed.)
- Beautifully Painted, £2 16s. 6d. the set.
- Cheap Series, £1 8s. 0d.
- Plain Slides, 11s. 6d.

1. I Gave My life for thee (Hofmann).
2. I spent Long Years for thee (Tissot).
3. My Father’s Home of Light (Suchodolski).
4. I Suffered Much for thee (Baumeister).
5. And I have Brought to thee (Hofmann).
6. O Let thy Life be Given (Des Courdes).

**ACV**

"THOU DID'ST LEAVE THY THRONE" (A. & M., New Ed.)
- Beautifully Painted, £2 17s. 0d. the set.
- Cheap Series, £1 7s. 0d.
- Plain Slides, 11s. 0d.

1. Thou Didst Leave Thy Throne (Feuerstein).
2. Heaven’s Arches Rang (Edelfeldt).
3. The Foxes Found Rest (Luska).
4. Thou Camest, O Lord (Echena).
5. When Heaven’s Arches shall Ring (C. S. Dixon).

**ACW**

"THERE WERE NINETY AND NINE" (S.)
- Beautifully Painted, £2 7s. 6d. the set.
- Cheap Series, £1 3s. 6d.
- Plain Slides, 5s. 6d.

1. But One was Out on the Hills Away (C. S. Dixon).
2. Lord, Thou Hast Here Thy Ninety and Nine (Sybil Parker).
3. How Dark was the Night (C. S. Dixon).
4. Lord, Whence are those Blood-drops (Khren).
5. Rejoice, I have Found My Sheep (C. S. Dixon).

**ACX**

"THERE IS A GREEN HILL" (Gounod, A. & M.)
- Beautifully Painted, £2 4s. 6d. the set.
- Cheap Series, £1 1s. 6d.
- Plain Slides, 7s. 6d.

1. There is a Green Hill.
2. We may not Know (Tissot).
3. He Died that we Might be Forgiven (Tissot).
4. There was None Other (Rena).
5. Oh, Dearly has He Loved (Firle).

**ACY**

"RIDE ON, RIDE ON, IN MAJESTY!" (A. & M.)
- Beautifully Painted, £2 8s. 6d. the set.
- Cheap Series, £1 4s. 0d.
- Plain Slides, 8s. 0d.

1. Who all the Tribes (Plockhorst).
2. In Lowly Pomp (Edelfeldt).
3. The Angel Armies of the Sky (Thomson).
4. The Father on His Sapphire Throne (C. S. Dixon).
5. Bow Thy Meek Head (C. S. Dixon).
ILLUSTRATED SACRED SOLOS—Continued.

ACZ

"O COME AND MOURN" (A. & M.)
Beautifully Painted, £2 10s. 6d. the set.
Cheap Series, £1 9s. 0d.
Plain Slides, 10s. 0d.
1 O Come and Mourn (Henz).
2 Have We no Tears? (Plockhorst).
3 How Fast His Hands (C. S. Dixon).
4 Seven Times He Spake (C. S. Dixon).
5 Come, Let us Stand (Hofmann).
6 A Broken Heart (Lingner).

ADA

"BY JESU’S GRAVE" (A. & M.)
Beautifully Painted, 18s. 6d. the set.
Cheap Series, 8s. 6d.
Plain Slides, 8s. 6d.
1 By Jesu’s Grave (Hofmann).
2 In the Sepulchre (Scheffler).

ADB

"HARK, HARK, MY SOUL!" (A. & M.)
Beautifully Painted, £1 15s. 6d. the set.
Cheap Series, 17s. 0d.
Plain Slides, 5s. 6d.
1 Angel Songs are Swelling (Bodenhausen).
2 Still we Hear them Singing (Thomson).
3 The Voice of Jesus (Dietrich).
4 Rest Comes at Length (Falero).

ADC

"WATCHMAN, WHAT OF THE NIGHT?" (Sullivan.)
Beautifully Painted, £1 1s. 0d. the set.
Cheap Series, 10s. 6d.
Plain Slides, 3s. 0d.
1 The Night.
2 The Night of Sorrow
3 The Grave.

ADD

"THE REAPER AND THE FLOWERS" (Cowen.)
Beautifully Painted, £1 8s. 6d. the set.
Cheap Series, 14s. 0d.
Plain Slides, 6s. 0d.
1 The Assyrians Slain (Villegas).
2 A Gift from Heaven (Plockhorst).
3 In the Church (Rettig).

ADE

"THE ANGEL GABRIEL" (Novello.)
Beautifully Painted, £1 6s. 0d. the set.
Cheap Series, 11s. 6d.
Plain Slides, 3s. 0d.
1 The Annunciation (Hacker).
2 Maria (Franz Müller).
3 A Messenger of Peace (Bodenhausen).

ADF

"WHEN I VIEW THE MOTHER" (Barnby.)
Beautifully Painted, 10s. 0d. the set.
Cheap Series, 9s. 0d.
Plain Slides, 8s. 0d.
1 Madonna and Child (Bodenhausen).
2 The Holy Family (De Fregger).

ADG

"IN THE FIELDS WITH THEIR FLOCKS ABIDING" (Farmer.)
Beautifully Painted, £1 16s. 0d. the set.
Cheap Series, 16s. 0d.
Plain Slides, 8s. 0d.
1 The First Christmas Morn (Thomson).
2 Angels and Shepherds (Edelfeldt).
3 The Holy Night (Müller).
4 The Wise Men Journeying (Tissot).
ILLUSTRATED SACRED SOLOS—Continued.

**ADH**

"THE HOLY SHRINE" (Newton.)
Beautifiedly Painted, £1 5s. 6d. the set.
Cheap Series, " 10s. 6d. ",
Plain Slides, " 3s. 0d. ".
1 The Wise Men in the Palace.
2 Crossing the Desert.
3 Adoration of the Magi (Franschmidt).

**ADI**

"SLEEP, HOLY BABE" (Quartette. Dykes.)
Beautifiedly Painted, £1 16s. 6d. the set.
Cheap Series, " 17s. 6d. ",
Plain Slides, " 6s. 6d. ".
1 Mary in the Desert (De La Roche).
2 Madonna and Child (Marr).
3 The Star of Bethlehem (Piglhiem).
4 The Birth at Bethlehem (Hofmann).

**ADK**

"MY BABE, MY SON, MY SAVIOUR" (H. Leslie.)
Beautifiedly Painted, £1 15s. 0d. the set.
Cheap Series, " 16s. 0d. ",
Plain Slides, " 5s. 0d. ".
1 Virgin and Child (Max).
2 The Holy Night (Feuerstein).
3 Patient in Tribulation (F. Goodall).
4 Mary Magdalen (Lingner).

**ADL**

"ROCK OF AGES" (Gounod.)
Beautifiedly Painted, £1 17s. 6d. the set.
Cheap Series, " 18s. 6d. ",
Plain Slides, " 4s. 6d. ".
1 The Dying Christ (Caracci).
2 Mary Magdalen (Scheffer).
3 Towards a Better World (Falcro).
4 Crucifix (Statuary).

**ADM**

"O LORD, CORRECT ME" (Handel.)
Plain Slides, 2s. the set.
1 The Prodigal Son (Statuary).
2 Christ (Statuary).

**ADN**

"LOVE NOT THE WORLD" (Sullivan.)
Beautifiedly Painted, 19s. 6d. the set.
Cheap Series, " 9s. 6d. ",
Plain Slides, " 2s. 6d. ".
1 The Kingdoms of this World (Dixon).
2 The Choice (Max Eloher).

**ADO**

"THE VOICE OF THE FATHER" (Cowen.)
Beautifiedly Painted, 18s. 6d. the set.
Cheap Series, " 8s. 6d. ",
Plain Slides, " 3s. 6d. ".
1 Christ the Comforter.
2 Ecce Homo (Plockhorst).

**ADP**

"THE PEACE OF GOD" (Gounod.)
Beautifiedly Painted, 19s. 0d. the set.
Cheap Series, " 9s. 0d. ",
Plain Slides, " 6s. 0d. ".
1 Peace be with you (Hofmann).
2 God Protects His Own (Raupp).
3 The Golden Morn is Breaking.
4 The Last Trump (C. S. Dixon).

**ADQ**

"THE CROSS OF CALVARY" (Gounod.)
Beautifiedly Painted, £1 17s. 0d. the set.
Cheap Series, " 18s. 0d. ",
Plain Slides, " 6s. 0s. ".
1 Compassion (Bouguereau).
2 Mary at the Cross (Atherr).
ILLUSTRATED SACRED SOLOS—Continued.

ADR

"THE STORY OF THE CROSS."

Beautifully Painted, £1 9s. 6d. the set.
Cheap Series " 14s. 6d. "
Plain Slides, 7s. 0d. "

1 The Path of Thorns (Burman).
2 The Last Hour (Duran).

ADS

"THE KING OF LOVE" (Gounod)

Beautifully Painted, £2 5s. 6d. the set.
Cheap Series " 21 ls. 6d. "
Plain Slides, 7s. 9d. "

1 The Good Shepherd (Walsh).
2 The Good Shepherd (Sybil Parker).
3 The Good Shepherd (Tissot).

ADT

"O, REST IN THE LORD" (Mendelssohn)

Beautifully Painted, 19s. 6d. the set.
Cheap Series " 9s. 6d. "
Plain Slides, 4s. 9d. "

1 The Prisoner’s Hope (Downey).

ADU

"IF WITH ALL YOUR HEARTS" (Mendelssohn)

Beautifully Painted, £1 0s. 0d. the set.
Cheap Series " 10s. 0d. "
Plain Slides, 3s. 6d. "

1 Come unto Me (Hofmann).

ADV

"CROSSING THE BAR" (Tennyson)

Beautifully Painted, £1 3s. 6d. the set.
Cheap Series " 10s. 6d. "
Plain Slides, 3s. 6d. "

1 Sunset.
2 Twilight.

ADW

"I STOOD OUTSIDE THE GATE" (Sankey)

Beautifully Painted, £1 8s. 6d. the set.
Cheap Series " 13s. 6d. "
Plain Slides, 5s. 6d. "

1 I Stood Outside the Gate (Tissot).
2 O Give me Rest from Sin (Tissot).

ADX

"FROM CROSS TO CROWN" (C. Bingham)

Beautifully Painted, £1 18s. 0d. the set.
Cheap Series " 16s. 0d. "
Plain Slides, 5s. 9d. "

1 Bunyan’s Distress (Copping).
2 Christ Falling under the Cross (Fellowes).

ADY

"COME UNTO ME—IT IS THE SAVIOUR’S VOICE" (Sankey)

Beautifully Painted, £1 5s. 6d. the set.
Cheap Series " 10s. 6d. "
Plain Slides, 8s. 0d. "

1 Christ the Comforter.
2 Come unto Me (Dubufe).

3 Christ at the Door (Abbey).
3 The Risen Christ.
4 The Company of the Apostles (H. le Jeune).
ILLUSTRATED SACRED SOLOS—Continued.

ADZ "OH, THE BITTER SHAME AND SORROW" (Sankey.)

Beautifully Painted, £1.15s.0d. the set.
Cheap Series 15s.0d.
Plain Slides, 5s.3d.

1 All of Self (Tissot).
2 Some of Self (Lingner).
3 Less of Self (Goodall).
4 None of Self (Scheffer).

AEA "O PRECIOUS WORDS THAT JESUS SAID" (Sankey.)

Beautifully Painted, £1.17s.6d. the set.
Cheap Series 17s.6d.
Plain Slides, 6s.9d.

1 Cleansing the Leper (Holme).
2 The Door of the Fold (Sybil Parker).
3 Christ Teaching the Multitude.
4 The Resurrection (Plockhorst).

AEB "MOURNER, WHERESOEVER THOU ART" (Sankey.)

Beautifully Painted, £1.6s.6d. the set.
Cheap Series 11s.6d.
Plain Slides, 4s.6d.

1 Stabat Mater (Laserges).
2 Haste thee, Wanderer (Lefebvre).
3 The Dying Christ (Caracci).

AEC "I KNOW NOT WHAT AWAITS ME" (Sankey.)

Beautifully Painted, £1.7s.6d. the set.
Cheap Series 12s.6d.
Plain Slides, 5s.0d.

1 Sir Galahad (G. F. Watts).
2 In Manus Tuas Domine (Briton Riviere).
3 Kept by the Power of God (Twidle).

AED "O SACRED HEAD, SURROUNDED" (Hymns A. & M.)

Beautifully Painted, £1.8s.6d. the set.
Cheap Series 18s.6d.
Plain Slides, 5s.0d.

1 Christ Crowned with Thorns (Beraud).
2 Christ on the Cross (Velasquez).
3 Faith (Firle).

AEE "IN THE LAND OF STRANGERS" (Sankey.)

Beautifully Painted, £2.7s.6d. the set.
Cheap Series 18s.0d.
Plain Slides, 6s.3d.

1 In the Land of Strangers (Techantsch).
2 From the Land of Hunger (Dixon).
3 See the Door Still Open (Dixon).
4 Far Off Thou hast Wandered (Copping).
5 Thou art Friendless (Dubufe).

AEF "BRIGHTLY BEAMS OUR FATHER'S MERCY" (Sankey.)

Beautifully Painted, £1.5s.6d. the set.
Cheap Series 11s.6d.
Plain Slides, 4s.6d.

1 The Lighthouse. Verse I.
2 Words of Chorus To be shown after each.
3 The Wreck (Gribble). Verse II.
4 The Shore Lights (Duncan). Verse III.

Verse.
ILLUSTRATED HYMNS.

In this Series all the words of the hymn appear on the screen, usually one verse and a picture illustrating it on each slide, so that the audience can join in the singing.

Great care has been taken that the pictures shall really illustrate the words, and many expensive copyright pictures are consequently employed in the sets.

**AEG**

"GLORIOUSLY TO THEE, MY GOD" (A. & M.)

- Beautifully Painted, £2 10s. 0d. the set.
- Cheap Series, £1 3s. 6d.
- Plain Slides, 9s. 0d.

1 Keep me, O keep me.
2 Forgive me, Lord.
3 The Grave.
4 O may my soul.
5 My soul with heavenly thoughts supply.
6 Praise God, from Whom all blessings flow.

**AEH**

"I HEARD THE VOICE OF JESUS SAY" (A. & M.)

- Beautifully Painted, £2 9s. 0d. the set.
- Cheap Series, £1 4s. 6d.
- Plain Slides, 9s. 3d.

1 Come unto Me and rest.
2 I came to Jesus as I was.
3 Behold I freely give.
4 Of that Life-giving Stream.
5 I am this dark world’s Light.
6 And in that Light of Life I’ll walk.

**AEI**

"JESUS SHALL REIGN" (A. & M.)

- Beautifully Painted, £1 14s. 6d. the set.
- Cheap Series, 16s. 0d.
- Plain Slides, 5s. 6d.

1 Jesus shall reign.
2 And infant voices.
3 The weary find eternal rest.
4 Let every creature.

**AEK**

"NEARER, MY GOD, TO THEE" (A. & M.)

- Beautifully Painted, £1 17s. 6d. the set.
- Cheap Series, 17s. 6d.
- Plain Slides, 7s. 3d.

1 Nearer to Thee (Plockhorst).
2 My Rest a Stone (Sanders).
3 Steps unto Heaven (Sanders).
4 Bethel I’ll Raise (Copping).

**AEL**

"ONWARD, CHRISTIAN SOLDIERS" (A. & M.)

- Beautifully Painted, £2 10s. 6d. the set.
- Cheap Series, £1 4s. 6d.
- Plain Slides, 9s. 0d.

1 Onward, Christian Soldiers. (Repeat this after every verse.)
2 Christ the Royal Master.
3 At the sign of triumph.
4 Like a mighty army.
5 Crowns and thrones may perish.
6 Blend with ours your voices.

**AEM**

"SOLDIERS OF CHRIST, ARISE!" (A. & M.)

- Beautifully Painted, £2 17s. 6d. the set.
- Cheap Series, £1 8s. 6d.
- Plain Slides, 12s. 6d.

1 Strong in the strength which God supplies.
2 Strong in the Lord of Hosts.
3 Stand then in His Great Might.
4 Tread all the powers of darkness down.
5 A crown of joy at last.
6 We praise Thee and adore.

**AEN**

"SUN OF MY SOUL" (A. & M.)

- Beautifully Painted, £2 10s. 6d. the set.
- Cheap Series, £1 2s. 6d.
- Plain Slides, 7s. 6d.

1 O may no earth-born cloud arise.
2 When the soft dews.
3 Stand then in His Great Might.
4 If some poor wandering child of Thine.
5 Watch by the sick.
6 Come near and bless us.

**AEO**

"TAKE UP THY CROSS" (A. & M.)

- Beautifully Painted, £2 8s. 3d. the set.
- Cheap Series, £1 8s. 3d.
- Plain Slides, 10s. 9d.

1 And humbly follow after Me.
2 Fill thy weak spirit with alarm.
3 The Lord for Thee.
4 For only he who bears the cross.
5 All praise for evermore ascend.
ILLUSTRATED HYMNS—Continued.

FROM GREENLAND'S ICY MOUNTAINS.
Beautifully Painted, £1 6s. the set.
Cheap Series, 20 14s.
Plain Slides, 20 4s.

1 "From Greenland's icy mountains"
2 "From many a palmy plain"
3 "Blows soft O' Ceylon's isle"
4 "Bows down to wood and stone"

THE Spacious Firmament on High.
Beautifully Painted, 19s. 6d. the set.
Plain Slides, 3s. 0d.

1 "The unwearied Sun from day to day"
2 "The Moon takes up the wondrous tale"
3 "Move round the dark terrestrial ball"

PICTORIAL HYMNS.
Beautifully Painted, 3s. 6d. to 6s. 6d. each.
Plain Slides, 1s. each.

These Hymns are photographed on the same slide as the Picture, so that both Picture and the whole of the Hymn are exhibited on the screen at the same time.

1 O Jesu, Thou art standing.—"The Light of the World"
2 Christian, seek not yet repose.—Christ and the three Disciples in the garden
3 Come, see the place where Jesus lay.—The Angel announcing the Resurrection to the Women
4 Come unto Me, ye weary.—Christ teaching the people
5 It is finished! Blessed Jesus.—Christ carried to His burial
6 My God, and is Thy table spread.—The Last Supper
7 Onward, Christian SOLDIERS.—The Cross, 4s. 6d.
8 O Sacred Head surrounded.—Christ crowned with thorns
9 Ride on! ride on in majesty.—Christ's entry into Jerusalem
10 The King of Love my Shepherd is.—Christ the Good Shepherd
11 The strife is o'er, the battle done.—The Risen Christ
12 When I survey the wondrous Cross.—Cross on the summit of Calvary
13 Fierce raged the tempest.—Christ stilleth the tempest
14 God moves in a mysterious way.—The Creation of Light
15 Go to dark Gethsemane.—Christ in the Garden
16 Holy Bible, book Divine.—The Bible
17 It is finished.—Christ on the Cross
18 Sound the loud timbrel.—Mihrem singing with the Mourners
19 There is life for a look.—Christ hanging on the Cross
20 When Mothers of Salem.—Christ blessing Children
21 Hark, the Herald angels sing.—Angels appearing to the Shepherds
22 Lead, kindly Light.—"A Light unto thy path"
23 Tell me the old, old story.—The first Christmas
24 While Shepherds watched their Flocks by night.
25 The shepherds watching their flocks
26 As pants the hart.—Deer hard pressed

TEMPERANCE HYMNS.—Is. each.

1 Bravely launch the Temperance Life-boat
2 Friends of Freedom, swell the song
3 Look not upon the Wine with its ruby glow
4 O I have heard the glorious new-thangs round the town-day

HYMNS FOR THE STORY OF THE CROSS.
6d. each, or a Set of 6, 3s.

1 In His own raiment clad
2 Follow to Calvary
3 On the Cross lifted

1 "Can we whose souls are lighted"
2 "Has learnt Messiah's Name"
3 "Till like a sea of glory"
4 "Redeemer, King, Creator"

26 Alleluia! Sing to Jesus.—Cup with Grapes and Wheat
27 As with gladness men of old.—Star and Cross
28 Brief life is here our portion.—Batteries
29 P for the beauty of the Earth.—Birds and Nests
30 From Egypt's bondage come.—Egyptian Temple
31 God That madest Earth and Heaven.—Hedgehog
32 Gracious Spirit, Holy Ghost.—Dove and Lighted Lamp
33 Let us raise our grateful voices.—Birds and Flowers
34 Let us with a gladsome mind.—"All living creatures He doth feed"
35 Oh! worship the King, all glorious above.—Flowers and Butterflies
36 O Lord, how happy should we be.—Birds
37 O Lord of Heaven, and Earth, and Sea.—Flowers and Wheat
38 Our Blest Redeemer ere He breathed.—Column with Dove and Lighted Lamp
39 O Word of God Incarnate.—A Lamp of purest Gold
40 Soldiers of Christ, Arise!—Armour
41 Soldiers of the Cross, Arise!—"Bird you with your armour bright"
42 Take up thy Cross the Saviour said.—Cross with crown of thorns
43 There is a book who runs may read.—Butterflies and Flowers
44 Thou, Whose Almighty Word.—The Lamp of Grace
45 Three in One, and One in Three.—Seascape with Birds
46 Through the Night of Doubt and Sorrow.—Burns the Guiding Light
47 We love the place, O God.—Font
48 We plough the fields and scatter.—Vase with Wheat and Grapes
49 We pray Thee, Heavenly Father.—Birds drinking
50 We sing the praise of Him Who died.—Cross with Wheat
51 We thank Thee, Lord, for this fair earth.—Landscape
NEWTON & CO., Opticians to the Royal Family,

8FY HYMNS.

These Hymns have been set up in a large, bold, clear type, and photographed by a new process which gives clear black letters on a perfectly white ground.

Price 6d. each.

1 A cry, as of pain
2 A few more years shall roll
3 A little pilgrim on life's way
4 Abide with me, fast falls the eventide
5 Above the waves of earthly strife
6 Alas! and did my Saviour bleed?
7 All glory, laud, and honour
8 All hail the power of Jesu's name
9 All Merciful, Almighty Lord
10 All people that on earth do dwell
11 All things bright and beautiful
12 All ye who seek for sure relief
13 Alleluia! sing to Jesus
14 "Almost persuaded" now to believe
15 And now, beloved Lord, Thy Soul resigning
16 And now, O Father, mindful of the love
17 Angels from the realms of glory
18 Angry words, oh! let them never
19 Around the throne of God in Heaven
20 Art thou weary, art thou languid
21 Are thou weary, sad, and lonely?
22 A safe Stronghold our God is still
23 As parts the hart
24 As the rosy tint of dawning
25 As with gladness men of old
26 At even time tells the sun was set
27 At the Cross her station keeping
28 At the Name of Jesus
29 Ave Maria, blessed maid
30 Awake, my soul, and with the sun
31 Awake, my soul, in joyful lays
32 Be joyful in God, ye lands of the earth
33 Be Thou my guardian and my guide
34 Before Jehovah's awful throne
35 Behold a stranger at the door
36 Behold the Lamb of God
37 Beneath the Cross of Jesus
38 Blessed be the Fountain of Blood
39 Blest are the pure in heart
40 Bread of Heaven, on Thee we feed
41 Brief life is here our portion
42 Brightest and best of the sons of the morning
43 Brightly beams our Father's mercy
44 Brightly gleaners on the hand
45 By the Cross of Jesus dying
46 Calm me, my God, and keep me calm
47 Captains of the saintly band
48 Carol, sweetly carol
49 Children of the Heavenly King
50 Christ is gone up; yet ere He passed
51 Christ the Lord is risen to-day
52 Christ is born on Christmas Day
53 Christ was born on Christmas Day
54 Christ, who once amongst us
55 Christ, who set free the children three
56 Christ, whose glory fills the skies
57 Christian, dost thou see them
58 Christian, seek not yet repose
59 Christians, awake—salute the happy morn
60 Church of the living God
61 Cling to the Bible
62 Come, and welcome, to the Saviour
63 Come, every soul by sin oppressed
64 Come, Gracious Spirit, Heavenly Dove
65 Come, Holy Ghost, our souls inspire
66 Come, labour on!
67 Come, let us join our cheerful songs
68 Come, see the place where Jesus lays
69 Come, sing with holy gladness
70 Come, Thou Fount of every blessing
71 Come, Thou long-expected Jesus
72 Come, Thou mighty Jesus!
73 Come to the Saviour, make no delay
74 Come unto Me, ye that mourn
75 Come, ye faithful, raise thy voice
76 Come, ye faithful, raise thy voice
77 Come, ye faithful, raise the anthem
78 Come, ye faithful, raise the strain
79 Conquering kings their titles take
80 Courage, brothers, do not stumble
81 Creator of the starry night
82 Crown Him with many crowns
83 Dare to do right, dare to be true
84 Daughter of Zion, from the dust
85 Days and moments quickly flying
86 Death o'erre, and Jesus weekly bowed
87 Delight of mercy, can there be
88 Dispose supreme and Judge of the earth
89 Do no sinful action
90 Down the ages long departed
91 Do not labour in vain
92 Down the stream of life they glide
93 Earth hath many a noble city
94 Eternal Father, strong to save
95 Eternal Father! who can tell
96 Ever waving the golden corn
97 Faith of our fathers, living still
98 Far down the ages now
99 Far, far away, in heathen darkness dwelling
100 Father of all from land and sea
101 Father of Heaven, whose love profound
102 Father of mercies, God of love
103 Father, whose creating Hand
104 Father, whose grace shall never cease
105 Faintest sound the angler hears
106 Fierce raged the tempest over the deep
107 Fight the good fight with all thy might
108 For all the Saints who from their labours rest
109 For ever with the Lord
110 For our valiant soldiers
111 For the souls that overcome
112 For Thy mercy and Thy grace
113 For our native land
114 For our valiant soldiers
115 Forsooken once, and thrice denied
116 Forty days and forty nights Thou wast fasting
117 Free from the law, O happy condition
118 From darkest bondage
119 From that all-dwell below the skies
120 From Egypt's bondage come
121 From Greenland's joy mountains
122 From mountains to permanent woe
123 From the eastern mountains
124 Gentle Jesus, meek and mild
125 Glory be to Jesus, Who in bitter pain
126 Glory, honour, praise, and power
127 Glory to Thee, my God, this night
128 Glorious things of Thee are spoken
129 Go and tell Jesus, weary, sin-sick soul
130 Go, labour on; spend, and be spent
131 Go to dark Gethsemane
132 Go to dark Gethsemane
133 Go to the Saviour, make no delay
134 Go to the Saviour, make no delay
135 Go to the Saviour, make no delay
136 God bless our native land
137 God blessed the world of sinners lost
138 God made me for Himself, to serve Him here
139 God moves in a mysterious way
140 God of my life, to Thee I call
141 God of our fathers, known of old
142 God save our gracious King
143 God That madest earth and heaven
144 God the All-Difficult!
145 God that madest earth and heaven
146 God the All-Terrifying!
147 God, who madest earth and heaven
148 God the All-Powerful
149 God the All-Rich!
150 God the All-Sufficient
151 God the All-Trusting
152 God the All-Worshipful
153 Good Christian men, rejoice
154 Good King Wenceslas looked out
155 Go, peace to men of good will
156 Graceful Spirit, Holy Ghost
157 Great God, what do I see and hear?
158 Great Shepherd of Thy people, hear
159 Guide me, O Thou great Jehovah
160 Hallow, sweet Baby, pure and holy
161 Hall, sweet Baby, pure and holy
162 Hallelujah corn
HYMNS—Continued.

135 Hall to the Lord's Anointed
136 Hark! a thrilling Voice is sounding
137 Hark! Hark! my soul, angels songs are swelling
138 Hark! my soul, it is the Lord
139 Hark! ten thousand, thousand voices
140 Hark! the glad sound, the Saviour comes
141 Hark! the herald angels sing
142 Hark! the Saviour's voice is calling, Come, Oh Come
143 Hark! the sound of holy voices
144 Hark! the swelling breezes
145 Hark! the voice of Jesus crying
146 Hark! the voice of love and mercy
147 Hark! what mean those holy voices?
148 Have you been to Jesus for the cleansing Blood?
149 Have you on the Lord believed?
150 He that is down need fear no fall
151 Heal us, Immanuel! hear our prayer
152 Hear the Royal proclamation
153 Hear us, holy Saviour
154 Heavenly Father, send Thy blessing
155 Here from the world we turn
156 Here we suffer grief and gain
157 His are the thousand sparkling rills
158 Ho! my comrades, see the signal
159 Holy Father, cheer our way
160 Holy Father, in Thy mercy
161 Holy, holy, holy, Lord God of Hosts
162 Holy, holy, holy, Lord God Almighty
163 Holy Bible, book divine
164 Holy Father, send Thy blessing
165 Holy, holy, holy, Lord God Almighty
166 Hark! ten thousand, thousand voices
167 Hush, my soul, what Voice is pleading?
168 I was a wandering sheep
169 I am coming to the cross
170 I am so glad that our Father in heaven
171 I could not do without Thee
172 I have read of a beautiful City
173 I hear the words of love
174 I hear Thy welcome voice
175 I heard the voice of Jesus say
176 I hunger and I thirst
177 I know not why God's wondrous grace
178 I love to tell the story
179 I need Thee, precious Jesus
180 I see the crowd on Calvary's Hill
181 I stand all amazed at the love Jesus offers me
182 I think when I read that sweet story of old
183 I've a message from the Lord, Hallelujah!
184 I've found a Friend, Oh, such a Friend
185 I want to go home, for I am weary here
186 I was a wandering sheep
187 I will arise and go to my Father
188 I will sing you a song of that beautiful land
189 I will sing for Jesus
190 In life's unclouded morning
191 In some way or other the Lord will provide
192 In the early spring time
193 In the field with their flocks abiding
194 In the hour of trial
195 In the Lord's alonely grief
196 In the secret of His presence how my soul delights to hide
197 In token that thou shalt not fear
198 Is it nothing to you that a Saviour has died?
199 Is this the way, my Father
200 Is it not my hour?
201 Jerusalem, my happy home
202 Jerusalem on high
203 Jerusalem, the Golden
204 Jesus, meek and gentle
205 Jesus, meek and lowly
206 Jesus, my Lord, my God, my All
207 Jesus, the very thought is sweet
208 Jesus, the very thought of Thee
209 Jesus, to Thee I commend my spirit
210 Jesus, to Thee I turn
211 Jerusalem, we come before Thee
212 Jesus, Thine own to Thee
213 Jesus, I will sing Thy praise
214 Jesus, Thou art the Life
215 Jesus, Thou dost wound and heal
216 Jesus, why art Thou thus cast down
217 Jesus, why dost Thou thus lament?
218 Jesus, why dost Thou thus mourn?
219 Jesus, why dost Thou thus wail?
220 Jesus, why dost Thou thus weep?
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292 Jesus, why dost Thou thus waver?
293 Jesus, why dost Thou thus weep?
HYMNS—Continued.

317 My Faith looks up to Thee
318 My Father, for another night
319 My God and is Thy table spread
320 My God, how wonderfully Thou hast work
321 My God, I love Thee; not because
322 My God, my Father, while I stay
323 My hope is built on nothing less
324 My sabbath sun is sinking fast
325 My Lord, my Master, at Thy feet adoring
326 My rest is in heaven, my rest is not here
327 My soul, be on Thy guard
328 My nearer, my God, to Thee
329 New every morning is the love
330 No is a very little word
331 Not all the blood of beasts
332 Nothing but leaves, the spirit grieves
333 Nothing to pay! ah, nothing to pay
334 Now, my tongue, the mystery telling
335 Now pray we for our country
336 Now thank we all our God
337 Now that the daylight fills the sky
338 Now the day is over
339 Now the labourer’s task is o’er
340 O buckle on your armor
341 O Christ, Redeemer of our race
342 O Christian, awake, for the strife is at hand
343 O come, all ye faithful
344 O come and mourn
345 O come, O come, Emmanuel
346 O come to the merciful Saviour who calls you
347 O Day of rest and gladness
348 O Father, bless the children
349 O Father of the fatherless
350 O Father, we will thank thee
351 O for a closer walk with God
352 O for a faith that will not shrink
353 O for a heart to praise my God
354 O for a thousand tongues to sing
355 O God of Hosts, the mighty Lord
356 O God of Jacob by Whose Hand
357 O God, our help in ages past
358 O God unseen, yet ever near
359 O happy band of pilgrims
360 O happy day that fixed my choice
361 O help us, Lord; each hour of need
362 O help us, dear Saviour, to walk in the ways
363 O Holy Spirit, Lord of Grace
364 O Jesu, Thou art standing
365 O Jesus, I have promised
366 O let him whose sorrow
367 O Lord, how happy shall we be
368 O Lord of Heaven and earth and sea
369 O Love, how deep, how broad, how high
370 O Love, who formedst me to wear
371 O my Saviour, lifted
372 O Paradise, O Paradise
373 O perfect life of love!
374 O praise our Great and Gracious Lord
375 O quickly come, dread Judge of all
376 O Sacred Head surrounded
377 O sinner, lift the eye of faith
378 O Son of God, our Captain of Salvation
379 O Spirit of the Living God
380 O teach me what it meaneth
381 O Thou, the contrite sinner’s friend
382 O Thou, who by a star didst guide
383 O Thou, who madest souls to shine
384 O where shall rest be found
385 O worship the King, all glorious above
386 O ye the portals of mercy these words are inscribed
387 O’er the waters dark and drear
388 Oft in danger, oft in woe
389 Oh, be not the first to discover
390 Oh, Lord, burdened with Thy head!
391 Oh, could I feel and know again the joy of sin forgiven
392 Oh do not let the Word depart
393 Oh, God, who through Thy Son
394 Oh, have you not heard of a beautiful stream
395 Oh, lead me to Jesus, the loving and kind
396 Oh, safe to the Rock that is higher than I
397 Oh, that the Lord’s salvation
HYMNS—Continued.

480 Teach me, O Lord, the way of Thine statutes,
490 Three in One and One in Three
500 The way is dark, my child, but leads to light
510 There's a land of pure delight
520 There is a green hill far away
530 There's a fountain filled with blood
540 There's a gate that stands ajar
550 There's an honest soul
560 There's a path that leads to God
570 There is life for a look at the Crucified One
580 There's a Friend for little children
590 There's a path that stands ajar
600 There is a land, a sunny land
610 There is a gate, whose steady light
620 There is a path, that leads to God
630 There is a city bright
640 There is a city bright
650 There is a lamp whose steady light
660 There is a fountain filled with blood
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1990 There is a city bright
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NEWTON & CO., Opticians to the Royal Family,

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Plain Slides, 1s. each.

1 A soft answer turneth away wrath, but grievous words stir up anger.—Prov. xv. 1.
2 And the goat shall bear upon him all their iniquities.—Lev. xvi. 22.
3 The Lord hath laid on Him the iniquity of us all.—Isaiah ixi. 6.
4 And he is wont to do in word or deed, do all in the Name of the Lord Jesus, giving thanks to God and the Father by Him.—Col. iii. 17.
5 An Moses lifted up the serpent, etc.—John iii. 14-15.
6 The Beatitudes.—Matt. v. 3-7.
7 Before they call, I will answer; and while they are yet speaking, I will hear.—Isaiah lv. 24.
8 Behold the Lamb of God, which taketh away the sin of the world.—John i. 29.
9 Blessed are the poor in spirit, for theirs is the kingdom of heaven.—Matt. v. 3.
10 Blessed are the peacemakers, for they shall be called children of God.—Matt. v. 9.
11 By this shall all men know that ye are My disciples, if ye have love one to another.—John xiii.
12 Cast thy burden upon the waters: for thou shalt find it after many days.—Eccles. xi. 1.
13 Cause me to hear Thy lovingkindness in the morning.—Ps. cxliviii. 8.
14 Christ shall give thee light.—Eph. v. 4.
15 Come and see the works of God.—Ps. lxxvi. 5.
16 Come, ye children, hearken unto Me, I will teach you the fear of the Lord.—Ps. xxxiv. 11.
17 Go to the ant, thou sluggard; consider her ways, and be wise.—Prov. vi. 6.
18 God so loved the world, that He gave His Only Begotten Son.—John iii. 16.
19 He that doeth good is of God, but he that doeth evil hath not seen God.—John i. 15.
20 He was wounded for our transgressions, etc.—Isaiah liii. 5.
21 Honour thy father and thy mother.—Exodus xxi. 13.
22 I will arise and go to my Father and will say unto Him, etc.—Luke xv. 18-19.
23 If it be possible, as much as lieth in you, live peaceably with all men.—Romans xii. 18.

8ES

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33 "Commination Prayer. "O Lord we beseech."
34 "O Most Mighty."
35 "O Merciful God, bring home to our minds."
36 "Almighty and Everlasting God."
37 "A Short Confession of sin. "O Almighty."
39 The Venite.

34 "Jesus Christ, the same yesterday, and to-day, and forever."—Heb. xiii. 8.
35 Jesus said unto Her, I am the Resurrection and the Life.—John xi. 25.
36 Let not condeem and truth forsake thee.—Prov. iii.
37 Let us love one another, for love is of God.—John iv. 7.
38 "Let us not be weary in well-doing, for in due season we shall reap if we faint not.—2 Thess. iii. 13.
39 Let us therefore come boldly unto the Throne of Grace, that we may obtain mercy, and find grace to help in time of need.—Heb. iv. 6.
40 Let us walk in the light of the Lord.—Isaiah ii. 5.
41 Lord, teach us to pray.—Luke xi. 1.
42 Make the perfect man, and behold the upright; for the end of that man is peace.—Ps. xxxvi. 37.
43 Of a lamb my Voice.—John x. 27.
44 Not slothful in business; fervent in spirit, serving the Lord.—Romans xii. 11.
45 Precious in the sight of the Lord is the fear of His saints, etc. - cxvii. 16.
46 Rejoice not against me, O mine enemy; when I fall, etc.—Micah vii.
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51 The Son of Man is come to seek and to save lost souls.—Luke x. 9.
52 This is a faithful saying and worthy of all acceptance.—1 Timothy i. 15.
53 Thou wilt keep him in perfect peace.—Isaiah xxvi. 3.
54 Watch therefore: for ye know not what hour your Lord doth come.—Matt. xxv. 42.
55 Worship Him that made heaven, and earth, and the sea, etc.—Rev. xiv. 1.
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178 Psalm xciv. "O come, let us sing unto the Lord."
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March 2nd, 1649
325 Hampden Church and House,
326 Sir Chamber (From an old
327 Archbishop Laud, Portrait of
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330 Scotlandmen signing the Coven-
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339 Trial of Archbishop Laud
340 Site of the Tower Scaffold
341 Battle of Naseby
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343 Kidderminster Parish Church
344*Poultry Cross at Salisbury
345 Parish Church, Ufford
346 Holmby House, Northampton-
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380 James II., Statue
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387 Traitors' Gate of the Tower
388 Sympathy with the Seven Bishops
389 Tower Green, St. Peter's Church
390 Westminster Hall, Exterior
391 Trial of the Seven Bishops
392 Release of the Seven Bishops
393*Magdalen College, Oxford
394 Landing of the Prince of Orange
395 William III. receiving the news of the Prince of Orange
396 Chateau of St. Germain
397 William and Mary accepting the Crown
398 Bray Church
399 William III., assenting to Toleration Act
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427 Lord George Gordon's Riots
428 Seabury's House, Springfield, Connecticut
429*Seabury Centenary
430 Portrait of Bishop White (Pennsylvania)
431 Quebec Cathedral
432 Portrait of Bishop Heber
433 Everett Parish Church
434 Relics of Fletcher of Madeley
435 Portrait of Rev. Charles Simeon
436 Clapham Parish Church
437 Statue of William Wilberforce
438 Church Missionary Society's House
439 A Missionary in Africa
440 Hackney Parish Church
441 The National Society's Offices
442 Village Church, School, and Parish
443 Chelsea, St. Luke's Church
444 Charge of the Guards at Waterloo
445 King's College, London
446 Hursley Church, Keble
447*Oriel College, Oxford
448 Portrait of William IV.
449*Bristol Cathedral, Interior
50*Ripon Cathedral, Interior


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466*Portraits of Old Testament Revisers
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471 Bishop Hannington's Portrait
472 Missionary in the Arctic Regions
473 Armagh Cathedral, Interior
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475 A National School, Exterior
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491 Wakefield Cathedral, Exterior
493 English Bishops, 1885, Portraits of the
495 Lambeth Palace from the
494 Second Lambeth Conference
495 Third Lambeth Conference
496 The late Archbishop of Canterbury
497 Westminster Abbey
498 Royal Jubilee Procession, 1887
499*The English Throne
500 Portrait of Queen Victoria
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17 St. Paul's Cathedral
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45 Archbishop Langton and the Cathedral
46 Canterbury and Magna Charta
47 Chapter House, Westminster (Interior)
48 Present Houses of Parliament (Exterior)

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50 Extracts from Charter
51 Institution of Franchise Order
52 Grey Friars [Dominic]
53 Meeting of St. Francis and St. John of Wycliffe
54 Lutterworth Church, Leicestershire
55 Wycliffe and the Monks
56 Extracts from Wycliffe's Bible
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72 St. Thomas's Hospital, London
73 The Pilgrimage of Grace
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76* Chester Cathedral (Ext. from N.E.)
77* Oxford Cathedral (Choir, look 78* Peterborough Cathedral, West Front
79 Twykes Abbey (Exterior)
80 Title-page of "Great Bible," Facsimile [Paul's]
81 Reading Chained Bible in St. Edward VI. in Council (Pettie)
82* Pages of Edward VI. First Prayer-book
83 Pages of Edward VI. Second Prayer-book
84 Preparing the State at Smithfield
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88 Lambeth Palace
89 View from the Hoe, Plymouth
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92* Statue James I., Westminster Hall [tune]
94 Puritans Embarking for America
95 Portrait of Charles I. [price]
96 Archbishop Laud (Vandyke)
97 Signing the Covenant
98 William III., sitting
99 Trial of Archbishop Laud
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101 Charles I. in the Guard Room
102 Carisbrooke Castle Isle of Wight
103 Trial of Charles I., 1649
104 Facsimile of Death Warrant (Charles 1st)
105* Statue of Oliver Cromwell, Manchester [tury]
106* The Savoy Palace (17th cent.)
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111 Old St. Paul's Cathedral (Dugdale)
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127 The National Society's Offices
128* Keble's Church, Hursley
129* Oriel College, Oxford [Oth]
130 Queen Victoria's Coronation
131 Coronation of Queen Victoria
132 A recently-restored Church
133* Yorkminster Parish Church
134* Bondchurch, Isle of Wight
135* St. Paul's Cathedral (the Reredos)
136 St. Bartholomew's, Camberwell
137 Diocesan Map of England
138* Manchester Cathedral (Ext. from S.W.) [Choir]
139* Manchester Cathedral (Int. of)
140 Wakefield Cathedral (Ext. from S.E.)
141* The Lambeth Conference of 1888
142* Lambeth Palace from the
143* The Bishops of England and Wales
144 Church Defence Institution
145* The Throne of England
146 The Queen of England

The following Hymns are suitable—

"The Church's One Foundation" (A. & M. 211.) Lecture 1.
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"We love the place, O God" (A. & M. 245.) Lecture 2.
"Lord of our life and God of our salvation" (A. & M. 214.) Lecture 2.
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**MISSIONARY SCENES.**

2. Western Hemisphere.
3. Table of Population, coloured to show proportion of different religions.

**America.**
4. Arrival of Missionary Blackfeet Indians at Indian Camp.
5. Medicine Man.
7. Esquimaux Family.
8. Building Snow Huts.
9. Indian Graveyard.
10. Chief Native Dress.
15. Indians going to Church.
17. Grave Memorials.

**Africa.**
23. Church, Exterior.
24. Interior.
25. Capture of Thomas King.
27. Dr. Livingston, Portrait.
28. and the Lion.
29. writing his Journal in Africa.
30. Map of Africa.
31. N. Africa.
32. S. Africa.
33. Missionary received by Chief.
34. Portrait of a Slave.
35. Rev. J. D. Hinderer’s Journey to Thadan.
36. Slave Ships, Capture of, by British Cruiser.
37. Interior of Sierra Leone.
38. A Slave Raid.
39. Slave Chained marched to Coast.
40. Thomas King, meeting his Mother after 25 years.
41. Wajiji Idol.

**China.**
42. Amoy. Gate of Entrance to City.
43. An Itinerant Barber—A Street Scene.
44. Avenue of Stone Warriors.
45. Buddhist Temples, Mt. Victoria, Hong Kong.
47. Chusan, Sacred island of Poo-too.
48. Exterior of Temple, Poo-Too.
49. Buddhist Priests.
50. Consulting Sticks of Fate.
51. Cat Sellers—Street Scene.
52. Dr. Morrison entertaining Visitors, Canton.
53. English Cathedral, Shanghai.
54. Feast of Lanterns, Canton.
55. Furnace for Burning Imperial Sacrifices in the grounds of the Altar of Heaven.
56. Lama Temple.
57. Landing-place, Tea District.
58. Canton Court of Justice.
59. Mandarin and Family in Garden.
60. Mandarin’s House, Dinner Party.
61. Marriage Procession.
62. Ming Tombs.
63. Nankin, Confuion Temple.
64. Opium Smoking.
65. Peking, General View.
66. Shanghai Family Group.
67. Mandarin carried through settlement.
68. Method of Travelling, Wheeharrow.
69. Shuttlecock Playing with the Feet.
70. Fortune Teller.
71. The Three Pure Ones.
72. Silver Island and its Pagoda.
73. Temple of 900 Gods.
74. Temple of Heaven.
75. Theatre of Ten Tien.
76. Ting Wang, the Guardian of the Gate.
77. West entrance to the Ta-Kow Tien, where the Emperor worships Shangti, the Supreme Ruler.

**Madagascar.**
78. The Bishop and Group of Boys.
80. Cathedral, from Bishop’s House.
81. Group of Native Teachers.
82. See Index.

**New Zealand.**
83. Baptism of Chief Te Naghui at Arik.
84. Chief’s Hut.
85. Heke and his Wife.
86. Map of New Zealand.
87. Maori Deity.
88. Native Pal, Entrance.
89. Bishopdale, Residence of Bishop of Nelson.
90. Turanga Church, Interior.

**Japan.**
91. Fyusi Yama, Sacred Mountain.
93. Nagasaki, Shinkodge Buddha.
94. Osaka, Temple and Pagoda.
95. Buddhist Temple, Temnoji.
96. Temple of Kamakura.
97. Travelling Priests, Kamakura.

**India.**
98. Ancient Hindoo Gate, Nizam.
99. The Mohurrum Taboot.
100. Cave Temple, Elephants.
101. Interior.
102. Skeleton group.
103. Mhow Parsee Tower of Silence.
104. Colar Temple, Interior of Court.
105. Group of Parsees.
106. Ceylon, Cinnamon Peellers.
107. Colombo Cathedral.
110. Devil Dancer’s Mask of painted wood.
111. Travancore.
112. Devanghirri, Golden Shrine.
113. Delhi, Great Mosque.
114. Peshawur, St. John’s Church, Exterior.
115. Interior.
116. Great Temple, Benares.
118. Hindoo and Temple.
119. Hindoo Bricklayers.
120. Carpenter.
121. Cooking.
122. Worshipping Idols, Nizam.
123. Climbing Palm Tree.
124. Idols, Brahma.
125. Durga, Wife of Siva.
126. Siva, or Mahaddoo.
127. Vishnu.
129. Map of India.
130. Monkey Temple, Benares.
131. Missionary Preaching at Ganges.
132. at Peshawur.
133. Methods of Climbing Palm Tree.
134. Self-Torture, Pakirs.
135. Pakir with Iron Collar.
136. Swinging Festival.
137. Umritzur, Sacred Tank and Golden Temple.

For other Scenes in Various Countries, see Index.
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3 Christ in Gethsemane. For Scripture Reading on Prayer.

FIRST COURSE OF INTERCESSIONS.

4 "Abide with us, for it is toward evening." Let us ask our Lord Himself to be present in the midst of us as we pray.
5 Canadian Scene. Let us pray for the Church in Canada.
6 Indian Scene. Let us pray for the Church in India and the Near East.
7 Chinese Scene. Let us pray for the Church in China, Japan, and the Far East.
8 South African Scene. Let us pray for the Church in Africa.
9 Australian Scene. Let us pray for the Church in Australia, New Zealand, and the South.
10 Hymn. "The day Thou gavest, Lord, is ended."

ADDRESS.

Let us see something of what our Lord Himself both wished His people to do and also set them the example of doing for the Missionary work of His Church.

(a) Our Lord’s Commands:
11 “Pray ye the Lord of the harvest.” He bids us pray for the Missionary work of His Church.
12 “Look out on the fields.” He bids us take an interest in the Missionary work of His Church.
13 “Go ye into all the world.” He bids us do the Missionary work of His Church.
14 “Rejoice with Me.” He bids us give thanks for the Missionary work of His Church.

(b) Our Lord’s Example:
He Himself worked as a Missionary.
15 The Sermon on the Mount. He taught the people generally.
16 Nicodemus. He taught individuals — the intellectual.
17 The Thief on the Cross. He found the lost and the strayed sheep.
18 The Woman of Samaria. He sought those outside the Jewish Nation.
He Himself took an interest in the work of His Missionaries.

He Himself prayed for the Missionary work of His Church.
20 Christ Praying for His Missionaries
21 Christ Praying for the People among whom His Missionaries were to Work.
Let us, then, follow our Lord’s precepts and example:
22 Studying. By reading of Missionary work.
23 Sailing Across the Sea. By going out as a Missionary, if the call should come.
24 The Widow’s Mite. By offerings for Missionary work — either of money or labour.

By praying for Missionary work.
25 In the North. Scene in Yukon.
26 In the South. Scene in the Australian Bush.
27 In the East. Scene in Japan.
28 In the West. Scene in the West Indies.
29 For all who work in the Mission Field.
30 For all who work at home for Missions abroad.

By thanking God for the Missionary work of His Church.
31 A Missionary Preaching in our own Land. For those who first preached the Gospel to us.
32 Bishop Patteson. For those heroes and martyrs who have gone out from us.
33 Hymn. “Jesus shall reign.”

SECOND COURSE OF INTERCESSIONS.

34 The Sower. Let us pray for more labourers.
35 Samuel Brought to the House of God. Let us pray for those who have “bent” those near and dear to them to the Lord.
36 Christ Stillings the Tempest. Let us pray for those journeying by land or sea.
37 Christ in the Wilderness. Let us pray for the lonely.
38 The Journey to Emmaus. Let us pray for the sad and despondent.
39 Christ Healing the Sick. Let us pray for the sick.
40 St. Peter Preaching at Pentecost. Let us pray for the gift of languages.
41 The Good Shepherd. Let us pray for a pastoral heart in all Missionaries.
42 The Crucifixion. Let us pray for courage and loyalty even unto death.
43 The Death of St. Stephen. Let us pray for forgiveness upon hinderers of Missionary work.
44 Christ Praying. Let us pray for a prayerful life.
45 Hymn. “Stand up, stand up for Jesus.”
46 The Blessing.

The preparation of a similar Service of Intercession for Home Missions is in contemplation.
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5 Programme.
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10 Lambeth Palace from the River.
11 Chapel Interior.
12 Westminster from the S.P.G. House.
13 Westminster Abbey from Dean’s Yard.
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30 S.P.G. House.
31 S.P.G. Board Room.
32 St. Paul’s, from the River.
33 Front.
34 Nave, looking East.
35 The Choir.
36 Procession No. 1, The Secretaries.
38 Congress Thanksgiving Form.
39 Bishop of Dorking.
40 Procession leaving St. Paul’s.

SPECIAL SLIDE.
41 Conference of Bishops at Lambeth Palace, 1908.

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6 Lloydminster Five Years Ago.
7 Lloydminster To-day.
8 Group of Lloydminster.
9 Catechist Starting on a Journey.
10 A Shack.
11 Emmanuel College, Prince Albert, Saskatchewan.

WEST INDIES.
12 St. Peter’s Church, Clifton, with Coloured Communicants.
13 St. Peter’s Church, Clifton, after Earthquake.
14 Archbishop Nuttall Holding an Ordination in the Open Air.

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15 Engineering Corps, Srengar School.
16 Lady Missionary Singing.
17 Preaching in Villages.
18 Shepherd bringing Grandmother to Doctor.
19 Agra College, N.W.P.

CEYLAN.
20 Girls Orphanage, Buona Vista.
21 A School Treat.
22 Dan Dugma, Cingalese Church.
23 Shoeing an Ox.

AUSTRALASIA.
24 Aborigines.
25 Melanesia, Inhabitants of Solomon Islands.
26 Melanesia, Village of Arva.
27 Church at Meretava, Banks Group.
PAN-ANGLICAN CONGRESS—Continued.

AFRICA.
33 Railway Chaplain's Coach.
34 Scene at S.A. Railway Station.
35 Zulu Kraal of Natives, who are working for white men.
36 Kafr Church and Congregation.

CHINA.
39 Dumb-bell Exercises, Girls' School.

JAPAN.
43 Thankoffering Envelope.
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9 Lambeth Palace Chapel.
10 Canada: Kiwasa Church.
11 " Indians and Tepees.
12 " Winnipeg Conference.
13 India: Bishop's College, Calcutta.
14 " Sawyerpuram Boys' School.
15 " S. Luke's Hospital, Nazareth.
16 " Chibota Nagpur Synod, 1897.
17 India: Christ Church, Cawnpore; or S. Stephen, Delhi.
18 " Synod of Indian Bishops.
19 Burma: S. John's College.
20 " Karen Clergy and Preachers.
21 " Bishop and Synod.
22 China: Sprent and Catechists.
23 " Five Bishops in Synod.
24 " Martyrs of 1900.
25 Borneo: Kuching Church, Sarawak.
26 Japan: Group of Japanese Clergy.
27 " Bishops in Japan.
28 S. " Africa: S. Augustine's Isandlana.
29 S. Africa: First Church, Bulawayo.
30 " Provincial Synod.
31 Madagascar: S. Paul's Theological College.
32 " Betsimisaraka Deacon.
33 Australia: Map showing Dioceses.
34 " S. Andrew, Coolgardie.
35 " Bush Sunday School.
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1 Frontispiece
2 The old man “Treffy” at home playing his organ
3 Christie outside listening to “Home, Sweet Home”
4 The old man falls down. Christie helps him up
5 Christie lives with the old man
6 Treffy goes out with his organ for the last time
7 Treffy’s cupboard empty. The old man in despair
8 Christie goes out with the organ for the first time
9 Christie plays before the house where Mabel lives
10 Treffy gets worse. Christie calls in the doctor
11 “The doctor said only another month to live”
12 Christie with the organ, Mabel learns to play
13 Mabel points to heaven and tells the way

14 Christie hears two women talking outside Mission Hall
15 Christie goes to the Service for the first time
16 The Minister speaks to Christie as he goes out
17 Christie at Mabel’s home, who gives him some flowers for Treffy
18 Christie tells the minister, who calls on old Treffy
19 Treffy hears “Home, Sweet Home” played for the last time
20 The gates are open. Treffy’s vision
21 Christie feels so lonely in the old room
22 Christie overcome and sob “I want to go home”
23 Christie, ill, in his sleep sings “Home, Sweet Home”
24 Mr. Wilton takes Christie into the country

HG
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1 “Mid pleasures and pangs though we may roam
2 How dark to poor Christie the thoughts of the morrow
3 Drowsy streets of London
4 Happy those who live by labour
5 Kind words can never die
6 The time is short ere all that live
7 Seek ye Me, and ye shall live
8 We sing of the realms of the blest

9 Happy the young, and happy we
10 There is a city bright
11 Go and tell Jesus, weary six-sick soul
12 We go to fulfill our glad mission on earth
13 A friend in kindness offers aid
14 A few more years shall roll
15 Though often here we’re weary
16 Oh, weary nights of pain
17 Forward, Christian labourers, singing as ye go

HH
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1 On Board the Steamer. Mr. St. Clair and Eva
2 Eva makes acquaintance with Uncle Tom
3 Eva with Tom in the arbour
4 Calling to Tom to look at the clouds
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6 Eva talks to the Slaves on board the boat
7 Eva gives all the Slaves a curl of her hair, to show her love for them

8 A Midnight Scene. Miss “Feely.” “At midnight the bridegroom cometh”
9 Miss Ophelia sends home for the doctor
10 Death of Eva. “Oh, Tom, my boy, it is killing me”
11 A bright smile passed over her face, as though she saw the angels
12 The Last Sad Scene. Eva’s Funeral

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1 Mr. Allen, the Missionary, on the Common
2 He discovers Bob, lying on the Heath, and talks to him
3 Bob thinks he sees a way of earning some money
4 Bob and Jerry (the donkey) become good friends
5 Bob with donkey and cart at the cottage
6 Bob prefers sleeping in the stable
7 Bob having his breakfast in the cottage
8 Bob and the old woman he calls grandmother
9 Bob as donkey boy on the sands

10 Mr. Fortescue lets Ethel ride on the donkey
11 Mr. F. punishes a boy for cruely using his donkey
12 The boy thwarts Bob in revenge
13 Ethel sympathises with Bob in his trouble
14 Bob finds out what his grandmother will sell the donkey for
15 Bob crying. Ethel wants to know the cause
16 Mr. Allen, the Missionary, preaching on the sand
17 Bob talks and talks with some friends
18 The old woman sells the donkey and tells her secret

HK
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1 The Coffee Stall and its Keeper
2 Jessica has breakfast given her
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6 Jessica discovered by the Minister’s Children

7 Jessica’s First Prayer
8 An unexpected Visitor at Jessica’s House
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1 “Tis not with bustle or with noise
2 “Tis blessed to give
3 Good Samaritan
4 Speak the truth
5 Poor little Jessica
6 Come, let us join
7 The Guiding Hand
8 Yet there is room
9 Cheerful voices
10 Our Father who art in heaven
11 “Tis not fine words
12 We all might do good
13 Remember the poor
14 The Lord will provide
15 And now appear the shades of night
16 Come, ye blessed
17 In silence unbroken
18 Blessed is the people (Anthem)
ALONE IN LONDON.
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H M
Beautifully Painted, £4 the set. Plain Slides, 16s. the set. DESCRIPTIVE BOOK, 4d.

1 A Narrow Alley
2 "Please, here’s a little girl here"
3 The only person about was a ragged boy
4 A letter fell from her frock
5 "I’m a bit cleaner than last night, ain’t I master?"
6 He sat pondering over all that had happened
7 Oliver read aloud
8 "But this money ‘ud buy a broom"

9 A child standing on the kerbstone with a lady
10 He felt stunned for a few seconds
11 "What brings you here this cold night?"
12 "My boy, you have broken your leg"
13 "They’ve given it to you, Anthony"
14 Till at last came the end
15 "Don’t you know me, father?” cried Raleigh
16 As he sat, peacefully and contentedly

BEL’S BABY.

HN
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1 "Now then! March 1 out you go!"
2 Bel put the baby down gently on the ground again
3 Bel was regarded as baby’s natural protector

4 "Here’s some visitors come to supper"
5 "What about that baby you brought here"
6 He learned that Babs was very ill

BIRDIE’S BENEFITS; OR, A LITTLE CHILD SHALL LEAD THEM.

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1 She mounted the steps one foot at a time
2 Mog looked at the man in surprise
3 The words on the card which Joe picked up

4 "Why, Mog, is it you yourself!"
5 "Regard, Sir, but I think you dropped this
6 Primrose Alley

CHINE CABIN.

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1 May Millet comes in with some strawberries
2 "You have your dear mother’s face"
3 Building sand castles at Royden Cove

4 Aida works very hard at her pancakes
5 "Why, what is this? this is splendid!"

GOING TO MARKET.

HQ
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1 Here’s Miss Nellie off to town
2 Neath a hedge she falls asleep
3 See Dick Nellie’s basket stealing
4 Now I’ll give Miss Nell a fright

5 She woke up at last
6 Her frightened wee face I shall never forget
7 I came upon Nell just beginning to cry
8 Oh, is it a trick? Of course

HIS MAJESTY’S BEGGARS.

HR
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1 A burly peasant snatched the dagger out of his hand
2 "Say, little sister, what shall we do?"
3 "Look! look! a hear!’’ cried Dunia
4 How Mesba and Dunia travelled with the showmen

5 A cripple on crutches leading a man who seemed to be blind
6 The lad set up a shout and cry which rang out clear and shrill
7 "Good-day to you, my children,” she said
8 Little Dunia hand in hand with her friend
HS

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2 Southwark Fair in the olden time
3 The Distressed Poet
4 The Enraged Musician
5 The March to Finchley
6 The Guildhall, London
7 Interior
8 Thomas Idle and Francis Goodchild at their Loons
9 Francis Goodchild at Church
10 Thomas Idle at play in the Churchyard during Divine Service
11 Francis Goodchild is a favourite with his Master the Merchant
12 Thomas Idle having forfeited his Indentures, is sent to sea
13 Francis Goodchild is out of his time, and married to his Master’s daughter
14 Thomas Idle having returned from sea, is guilty of Rohlney and Murder
15 Thomas Idle is impeached by an accomplice before Alderman Goodchild
16 Thomas Idle is executed at Tyburn
17 Francis Goodchild is made Lord Mayor of London
18 Hogarth’s Tomb, Chiswick
19 Marriage “à la Mode”
20
21
22
23
24
25 Calais Gate (called also “The Roast Beef of Old England”)
26 Southwark Fair in the olden time (portion)
27 Gin Lane
28 Beer Street
29 Industry and Idleness
30 A Midnight Modern Conversation
31 Masquerades and Operas, Burlington Gate
32 The Cock Pit
33 Country Inn Yard
34 Columbus breaking the Egg

HT

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2 Liberates a Dragon Fly, and gains a friend
3 Jack tries his hand at politeness before cleanliness
4 Overcomes difficulty No. 2, and has his clothes mended
5 Makes a good bargain with Timothy Crawley, the Cobbler
6 Jack determines to learn to read; sees difficulties ahead, but overcomes them
7 Jack in the Gipsy Camp makes himself useful
8 His Aunt puts another difficulty in his way
9 Jack finds a Cave, overcomes the difficulty, and sets up basket-making
10 Jack’s Success—a Struggle with Conscience—meets the Squire, overcomes another difficulty
11 Jack visits the Hall, and is astonished
12 Jack as Tutor of a College, shows his Portrait of our Picture No. 1 to one of his Pupils

HU

OUR FATHER’S CARE.

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1 Little Nelly going to Farrington Market
2 Nelly in the Market buying Water-cresses
3 Nelly finds a Customer and a Friend at the same time
4 Nelly runs home and makes her Mother’s Breakfast
5 Another morning, when out selling, Nelly makes a Friend, who gives her a Breakfast
6 Nelly goes to see her Father at the Hospital
7 Tells her Father about Eliza and the Ravens, and so strengthens his faith
8 Nelly at home with her Mother, and the customer and friend comes when most needed

HV

RAYMOND’S RIVAL; OR, WHICH WILL WIN?

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Beautifully Painted, £3 5s. the set; Plain Slides, 12s. the set. TEXT BOOK 1s.

1 Raymond stood rooted to the spot
2 Enjoying hanging over the pit
3 “Prize! I” he muttered; “I have prizes”
4 On the floor in his own room
5 “Would you really like me to go?”
6 Dr. White was not at home
7 “What is the matter? Are you hurt?”
8 Carefully Ray led the nervous old lady
9 She questioned the porters
10 The dog got away at the awful moment
11 No study could Ray accomplish that night
12 He could watch unobserved
13 “I say, what do you think?”

HW

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1 The three children leave home on the Plain
2 Enter the Bush and lose their way
3 Night comes on, they kneel and say their prayers
4 The Father comes home and calls aloud from the Hut, but receives no answer
5 Natives employed to trace the children
6 The Father finds the children asleep under a tree quite exhausted
NEWTON & CO., Opticians to the Royal Family,

HX

THREE RUNAWAYS.
Copied from Original Drawings, by F. REASON, by permission of Messrs. S. W. PARTRIDGE & Co.

Beautifully Painted, £2 15s. the set; Plain Slides, 11s. the set.

<table>
<thead>
<tr>
<th>1. (A pair of conspirators</th>
<th>6. Begging for bread</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Scamp’s portrait</td>
<td></td>
</tr>
<tr>
<td>2. Hubert drew from his pocket his whole worldly store</td>
<td></td>
</tr>
<tr>
<td>3. They dashed through the garden</td>
<td>7. “Come here, my dears, both of you”</td>
</tr>
<tr>
<td>4. Give them to me, there’s a good little missy</td>
<td>8. “It was not I, sir; it was Scamp”</td>
</tr>
<tr>
<td>5. Hubert and the gipsy boy</td>
<td>9. Tethered to the leg of the harrow</td>
</tr>
<tr>
<td>6. Down, down they went together</td>
<td>10. Madge would have sprung forward to release him</td>
</tr>
<tr>
<td>11. “Ask the ostler”</td>
<td></td>
</tr>
</tbody>
</table>

HY

LITTLE JIM THE COLLIER BOY. (Life Models.)

Reading, 6d.

Beautifully Painted, £1 12s. 6d. the set; Plain Slides, 6s. the set.

1. The Cottage was a thatched one
2. With hands uplifted, see, she kneels
4. With gentle, trembling hands, she held
5. The Cottage door was open
6. He knew that all was over
7. His quivering lips gave token

HZ

LITTLE MEG’S CHILDREN. (Life Models.)

Reading, 4d.

Beautifully Painted, £3 10s. the set; Plain Slides, 12s. the set.

1. Angel Court
2. The only nurse she had was her eldest child
3. Meg scrutinising and cleaning the room
4. Could you tell me if father’s ship’s come in yet?
5. Mother! Mother!
6. Haven’t you found father?
7. Hallow! little woman! how’s Robbie and baby?
8. Well dear, fall to and welcome
9. Mrs. Blossom gave them a farewell kiss each
10. Meg and Robin gazed at the change wonderfully
11. She had thrown herself before the horses
12. Tozy? cried Mrs. Blossom
13. I’m here, father!
14. Meg and her father arrive at their new home

IA

MEG AND HER BROTHER BEN. (Life Models.)

Beautifully Painted, £3 the set; Plain Slides, 12s. the set.

1. Meg as a Water-cress Girl, “Water-cresses”
2. Meg listening to the Choir Boys, Ben must he one
3. Meg in trouble, the Dean’s Brother inquires the cause
4. Mr. Selwyn visits Cat’s Court with Meg
5. Enters Meg’s lodgings and sees Ben for the first time
6. Ben sings before Mr. Selwyn
7. The Dean and his Brother listening to Ben
8. Meg and Ben’s last night in their old lodgings
9. Ben sings for the first time as chorister Boy
10. Ben meets an accident—is run over
11. Meg is allowed to stay with Ben in the Hospital
12. The Deans and Mr. Selwyn visit Ben, who recovers and sings again in the Cathedral
13. The Guardian Angel carries Chrisy home

IB

MOTHER’S LAST WORDS. (Life Models.)

Beautifully Painted, £3 5s. the set; Plain Slides, 13s. the set.

1. A worn-out woman, ghastly pale
2. Here, lad,” he said, “divide this bread
3. And soundly slept those little boys
4. The Minister said, “Dust to dust”
5. And swept a pathway broad and neat
6. Do you go to Sunday School?
7. I know a dodger worth two of that
8. He loitered round a pastry cook’s
9. And quick as thought he snatched them up
10. He strained his ears to catch the sound
11. They took the clothes and nice mince pies
12. The Lady at the Sunday School would come and read to Chris
13. The Guardian Angel carries Christy home

IC

TRAP TO CATCH A SUNBEAM. (Life Models.)

Beautifully Painted, £2 15s. the set; Plain Slides, 15s. the set.

1. David Coome smoking his pipe alone in his room
2. It grew dark, a light streamed into the room, he started to his feet
3. Effect slide: a stream of light and beautiful figure
4. David visits his landlady’s room. “The little chap has caught one of them sunbeams”
5. David stays to breakfast and engages the girl to clean his room
6. David visits Mr. Muffin and leaves his hoots without the money
7. David stops the runaway horse, and saves the young girl’s life
8. Returns to his own room, and exclaims “Oh lor!” in astonishment
9. Mrs. Dennis will not take any pay, so David shakes hands
10. David finds a lost child and takes him home, “Oh lor, what a pretty creature!”
11. David at home, nursing the little child, who becomes his sunbeam
12. The mother finds her child in David’s room, and asks him to dinner
13. Mrs. Dennis takes David to church
14. The young lady he saved and her mother visit David, “Now what can I do for you?”
15. The young lady becomes his “fairy sunbeam” and reads the Bible to him
I D

ANGEL'S CHRISTMAS. (Life Models.) Reading, 4d.
Beautifully Painted, £3 the set; Plain Slides, 12s. the set.

1 Mrs. Blyth was hard at work
2 Tim agreed to the bargain
3 A little girl ran in
4 I wonder if I shall ever have a birthday
5 A tear fell on the soiled leaves of the Bible
6 "It's Tim; his mother's dead"
7 The moonlight was streaming on the child's hair
8 "Listen to-night to the story of a door"
9 "It's for an angel!" he said
10 That was a very happy Christmas Day
11 "Give me thine heart"
12 "Mother, we can give him a present after all"

I E

OLIVE'S STORY. (Life Models.) Reading, 6d.
Beautifully Painted, £6 the set; Plain Slides, 2s. the set.

1 The birthday present
2 The primrose lady
3 A dreadful night
4 The beautiful house
5 Whisker
6 The picnic
7 A search
8 The bugle blast
9 On the sea-shore
10 Melville's story
11 A talk with mother
12 A surprise
13 My school motto
14 A lonely journey
15 New friends
16 My first Sunday
17 A mysterious disappearance
18 Who could have done it?
19 On the downs
20 The discovery
21 The holiday
22 Mademoiselle's letter
23 The prize day
24 The school-days ended
25 Great drinkers think themselves great men
26 Two dogs fight for a bone and a third runs away with it
27 He lives under the sign of the cat's foot
28 He would put his finger in the fire, so he burnt his nail off
29 You can't catch the wind in a net
30 Beware of the dog
31 Like cat, like kit
32 A horse which carries a balter is soon caught
33 An old fox is shy of a trap
34 A black hen lays a white egg
35 He looks one way and pulls the other
36 Stick to it and do it
37 Don't put the cart before the horse
38 A leaking tap is a great waster
39 Pools set stools for wise men to stumble over
40 A man in a passion rides a horse that runs away with him
41 Where the plough does not go, the weed will grow
42 All is lost that is poured into a cracked dish
43 Grasp all and lose all
44 Scatter and increase
45 Every bird likes its own nest

I F

JOHN PLOUGHMAN'S PICTURES.
Beautifully Painted, 5s.; Plain Slides, 1s. each.

1 If the cap fits, wear it
2 Burn a candle at both ends, and it will soon go out
3 Hush back sees his neighbour's bump, but not his own
4 It is difficult to make an empty sack stand upright
5 He who would please everybody will lose his donkey
6 All are not hunters that blow the horn
7 A hand-saw is a good thing, but not to share with
8 Don't cut your nose off to spite your face
9 He has a hole under his nose and his money runs into it
10 Every man should sweep before his own door
11 Some feeling of man and horse is small profits and sure loss
12 Never stop the plough to catch a mouse
13 A looking-glass is of no use to a blind man
14 He has got the fiddle but not the stick
15 Great cry and little wool, as the man said who clipped the sheep
16 You may bend the sapling, but not the tree
17 A man may love his house though he ride not on the ridge
18 A mysterious disappearance
19 Who could have done it?
20 On the downs
21 The discovery
22 The holiday
23 Mademoiselle's letter
24 The prize day
25 The school-days ended
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44 Grasp all and lose all
45 Scatter and increase
46 Every bird likes its own nest

I G

AESOP'S FABLES.
Beautifully Painted, 5s.; Plain Slides, 1s. each.
Descriptive Book, James' Aesop's Fables. Murray, 2s. 6d.

1 Aesop's Fables: Introduction
2 Angler and Little Fish
3 Arab and Camel
4 Ass and His Driver
5 Ass and the Lion
6 Ass in Lion's Skin
7 Ass and its Shadow, No. 1
8 An Ass and His Friends
9 Bagging Traveller
10 Boy and Wolf
11 Boy Bathing and Schoolmaster
12 Bundle of Sticks
13 Can't straighten it
14 Cock and the Jewel
15 Country Milkmaid, No. 1
16 Ditto, and Broken Pitcher, No. 2
17 Countryman and Snake
18 Dog and the Shadow
19 Dog invited to Supper
20 Dog in the Manger
21 Eagle and Jackdaw
22 Eagle and Tortoise
23 Fox and the Eagle
24 Fox and the Grapes
25 Fox and the Woodman
26 Fox and the Stork
27 Fox without a Tail
28 Frog and the Ox
29 Goose with the Golden Eggs
30 Great and Little Fishes
31 Hares and the Frogs
32 Hare and Tortoise
33 Herdsman and the Lost Bull
34 Hercules and the Waggoner
35 Horse and the Loaded Ass
36 House Dog and the Wolf
37 Husbandman and the Stork
38 Lark and Young Ones
39 Lion, Bear and Fox
40 Lion and other Beasts Hunting
41 Lion and the Mouse
42 Mercury and the Woodman
43 Mischief Dog
44 Old Man and Death
45 Effect of ditto
46 Stag at the Pool, No. 1
47 " " No. 2
48 The Blacknmoorbeing Washed
49 The Boatman and One-eyed Doe
50 The Lawsuit
51 The Old Hound
52 The Trumpeter taken Prisoner
53 The Miser and his Grief
54 The Quack Frog
55 The Wind and the Sun, No. 1
56 " " No. 2
57 Travellers and the Bear
58 Travellers and the Hatchet
59 Trees and the Axe
60 Wild Boar and the Fox
61 Wolf and the Crane
62 Wolf and the Lamb
63 Wolf and the Shepherd
374 NEWTON & CO., Opticians to the Royal Family,

TEMPERANCE TALES.

I H

AN OLD STORY.

Beautifully Painted, £6 10s. the set; Plain Slides, 1s. each.

By S. C. HALL, ESQ., F.S.A.

1 Woman anxiously watching
2 "Innocence," Country Scene, Mother and Child
3 A contrast, Mother and Child. Homeless and
   unhoused
4 The Spartans teaching their children to shun
   excess
5 A sad picture of the French Revolution
6 Drink has made another desolated home
7 The Fisherman's Wife, a peaceful scene
8 A Happy Home. Interior of House
9 The sad end of a ruined life
10 The women's crusade against drink
11 The Happy Band with Hope for their leader
12 The Sunday Scholar's Prayer for her Father
13 Angel effect for the above. The answer

14 Scene outside a Public-house
15 A drunken quarrel—death of comrade
16 The Drunkard's Daughter sent out to beg
17 A poor hoy without a home
18 The Drunkard wakes and finds himself a murderer
19 A wounded Soldier on the battle-field. Temper-
   ance saved him
20 Mother, I'm hungry—you will make me a thief.
21 A contrast.—The Temperate and the Drunkard's
   Children
22 An Interior. A Village Inn
23 A Rousing Scene. Outside the Public-house
24 Interior of a Church. Two Children
25 Death in the bottle, touch not, taste not, handle not
26 A Group of Happy Water-Drinkers

II

CRUIKSHANK—THE BOTTLE.

Beautifully Painted, £3 3s. the set; Plain Slides, 8s. the set. READING, 6d.

1 The Bottle introduced at Home
2 Pawn their Clothes to supply the Bottle
3 An Execution on the Furniture
4 The Children sent into the Streets to Beg

5 Death of a Child from Starvation
6 The fearful Quarrel between Husband and Wife
7 Results in Murder—Death of the Wife
8 The Maniac in the Asylum visited by his Children

I K

THE BIBLE AND THE DRUNKARD; OR, JOHN
HAMPTON'S HOME. By the late SIR G. S. MEASON, J.P.

The elevating influence of the Bible the only hope for the Drunkard.

Beautifully Painted, £2 2s. the set; Plain Slides, 6s. the set. READING, 1d.

1 The Gin Shop. The Intoxicated Husband dis-
   covered by his Wife in the Gin Palace is en-
   tered by her to return Home, his drunken
   companions laugh at her misery
2 The Wretched Home. The Minister visiting the
   Husband and his Family, urges them to read
   the Bible, which he leaves with them
3 Reading the Bible. The Husband, reformed
   through the reading of the Bible, now reads it
   to his Family

4 The House of God. The Husband and his Family
   unite in the Public Worship of God
5 The Call to Repentance. The Husband visited by
   his former evil companion, exhorts him to re-
   pantance
6 The Happy Death Bed. The Husband on his death
   bed, surrounded by his family, exhibits in the
   presence of his former companion the serene
   fortitude and tranquil joy of the Christian

I L

CRUIKSHANK—THE DRUNKARD'S CHILDREN.

Beautifully Painted, £3 3s. the set; Plain Slides, 8s. the set. READING, 6d.

1 Neglected by their Parents and educated in the
   streets, they are led to the Gin Shop
2 The Boy Thief squanders and gambles away his
   ill-gotten gains
3 From the Gin Shop to the Dancing Room, the poor
   girl is driven on in that course which ends in
   misery and ruin
4 The Boy commits a desperate Robbery and is
   taken by the Police in a lodging house

5 From the Bar of the Gin Shop to the Bar of the
   Old Bailey is but one step
6 The Drunkard's Son transported for Life. Brother
   and Sister part for ever in this world
7 Early dissipation has destroyed the neglected Boy;
   the wretched convict droops and dies
8 The Sister, homeless, friendless, deserted and
   destitute, throws herself off London Bridge
IM
BUY YOUR OWN CHERRIES.
LIFE MODELS.
Beautifully Painted, £2 10s. the set; Plain Slides, 10s. the set. Book, 6d.
1 “You touch them if you dare, Sir!”
2 “Yes, Sir,” said the man, and soon placed them
in his hands
3 He opened the bag of cherries on the bench
4 “Well, will you have a glass of something short?”
5 She went to the window
6 “I see, Guy’nor, what is this leg of mutton a
pound?”
7 “Come, here’s a leg of mutton for him”
8 A plate of nice rosy ripe cherries
9 He himself has built a nice row of houses
10 Now in a handsome villa

IN
THE GIN FIEND.
Beautifully Painted, £1 the set; Plain Slides, 4s. the set.
Words by CHARLES MACKAY, 6d.
1 The Gin Shop. “And it’s hip!” said the Gin
2 Fiend, “hip, hurrah!”
3 The Suicide. There stood a woman on a bridge.
4 She was old, but not with years
5 The Murder. He hath slain his wife—he hath
6 given his life—and all for the love of me
7 Turned out of the Gin Shop in charge of the
8 Police, and dies for the love of me

IO
JOHN TREGENOWETH: HIS MARK. (Life Models.) Reading, 1s.
Beautifully Painted, £4 10s. the set; Plain Slides, 1s. each.
1 The old man tells the tale of his life on Mary’s
2 wedding day
3 Uncle John sees the Little Maid for the last time
4 Explosion in the Mine
5 John in bed, attended by Mary
6 John is blind. Betty, his wife, at the wash-tub
7 John and Mary play and sing in the street
8 John becomes a drunkard
9 Mary in bedroom praying for her father
10 In public-house. John strikes the Little Maid

IP
Hymns for this Set.
1 The Village Bells
2 The Little Ones
3 Good heart and willing hands
4 Look not upon the wine
5 Touch not the Cup
6 Glorious News
7 Try, John
8 Water is best
9 John Anderson, my Jo
10 There is a green hill

IQ
LITTLE TIZ. (Life Models.) Reading, 4d.
Beautifully Painted, £3 10s. the set; Plain Slides, 14s. the set.
1 Mr. Abram Groby with the last will and testament
2 Langdale Hall, a party in Mr. Lorraine’s drawing room
3 Little Tiz is asked to give them a song
4 George and Little Tiz having a talk in the library
5 Sitting down in the wood making a necklace of flowers
6 A talk in Dr. Pearson’s little parlour
7 I’ll tell you what I have been thinking of
8 She drew aside the curtain and peered out into
9 the darkness
10 She was found on the floor, having fallen with a
11 sudden gasp
12 Mr. Graham’s Shop. “Ye hide up that Court,
13 Mrs. Macfarlin!”
14 A Desolate Room, what a sight
15 He found him crouching over the miserable fire
16 Little Tiz throws her arms round his neck
17 The Death of Little Tiz, her friends standing by

IR
THE VAGABONDS.—A Poem.
Beautifully Painted, £1 15s. the set; Plain Slides, 7s. the set.
1 We are two Travellers, Roger and I
2 No, thank you, Sir, I never drink
3 We’ll have some music, if you’re willing
4 Why not reform? That’s easily said
5 If you had seen her, so fair, so young
6 She’s married since—a Parson’s wife
7 You set me talking, Sir; I’m sorry

IS
TEMPERANCE MOTTOES.
The Mottos are with beautifully coloured borders of elegant designs, 4s. 6d.
Plain Slides, 1s. each.
1 Be Temperate in all things
2 Do not drink strong drink
3 God give you strength to keep the pledge
4 God keep from those we love the drunkard’s bands
5 God will take care of those who do His work
6 It biteh like a serpent, it stingeth like an adder
7 Look not thou upon the wine when it is red
8 Strong drink shall be bitter to them that drink
9 Taste not, touch not the assoused thing
10 The drunkard and the glutton shall come to poverty
11 Wine is a mocker
12 What he will do the drunkard never knows
TEMPERANCE TALES—Continued.

HARRY BECKWITH. (Life Models.) READING, 4d.

Beautifully Painted, £4 10s. the set; Plain Slides, 18s. the set.

1. The master came suddenly upon them
2. This is very fine
3. I have put a mark at these texts
4. Come, come, you shall drink our health
5. He sang a song
6. Then his uncle spoke to him
7. They came upon Dorns gathering ferns and flowers
8. Oh! such a funny present has come
9. She implored him to give it up

10. They had still, however, a proposal to make
11. A friendly glass and a chat
12. You are killing your wife by inches
13. She looked at it for a few seconds in silence
14. Here's a sovereign for this week
15. Yes, two glasses of whisky
16. Two hours passed
17. Is that my husband in there
18. Your hand, daring! your hand

THE TRIAL OF SIR JASPER.

Beautifully Painted, £6 5s. the set; Plain Slides, 25s. the set.

Book, 1s. By S. C. HALL, ESQ., F.S.A.

1. Introduction—Statue of Temperance
2. "With memories black of many a bitter blow,
   Deal'd when the father's soul was dark with gin,
3. "Hungry and footsore, and without a bed;
   Starving—yet dare not touch the meat and bread."
4. "A miserable tramp'ner through the streets;
   No aid she asks; no sympathy she meets."
5. "She is not in the streets; beneath the trees
   That shade her girlish-home, she sits."
6. "Is it too late to save him? God, we pray
   His guardian angel may not pass away,"
7. "Ten thousand devils haunt him day and night,
   Haunt him alike in darkness and in light."
8. "A common incident of blighted life;
   Mourn for the wretched sufferers—child and wife."
9. "See the degraded wretch we picture here,
   He highlight's the corn before it reach the ear."
10. "Over the lone grave of the suicide."
11. "No better man when sober; drunk, none worse."
12. "The artist paints him—lowest of the low;
   Alas! Giles Johnson; 'twas not always so."
13. "And let the artist draw his picture now;
   Draw Farmer Johnson—home from his own plough."
14. "They laid the dead wife on the floor,"
15. "She may be welcomed by the Seraphim;
   Where sinners penitent find pardonning grace."
16. "And when the babe was dead,
   'Twas 'accidental death,' the jury said."
17. "This happened in New Zealand; they had placed
   A drunkard Maori in the public stocks."
18. "These are the sisters, mothers, daughters, wives,
   Hopeful—yet doubtful—all may not be sent."
19. "Enter the option; see the good man there,
   Who from the death-deamed sinner drives despair."
20. "The artist saw this scene in London Square
   One night of snow or nearer early morning."
21. "Looking for father! That the artist saw
   And that some guiding spirit bade him draw."
22. "Can you not guess what these pool bubbles mean?
   Though of the self-drowned woman naught is seen."
23. "Where are his wife and children—both he had?
   So drunk the parish pampers; one is mad."
24. "Full! There are many hundred children more
   Who shrink and shiver round the closed door."
25. "They've said their evening hymn and prayer,
   and sleep;
   While guardian angels watch and ward will keep."

THE WORSHIP OF BACCHUS.

Beautifully Painted Slides, £1 15s. the set; Plain Slides, 14s. the set.

1. Worship of Bacchus; a great delusion
2. Half bushel of barley, peck of malt, and a gallon of beer
3. The grains given to feed the pigs
4. The beer to make men drunk
5. Diagram to show only 1d. worth of nutriment
6. is in a gallon of ale
7. What composed of
8. Beer analysed showing its component parts

DAN DABBERTON'S DREAM.

(Life Models.) READING, 4d.

Beautifully Painted, £4 10s. the set; Plain Slides, 1s. each.

1. I call on Mr. Dabberton for a Song
2. The Stranger sings a Song
3. Dan listening to the Bells
4. He entered the House
5. Dan opens the case of the clock
6. He sleeps; he sleeps!
7. Our Father!
8. Mother and Son
9. Waiting for the Prodigal Son
10. Her Son comes Home

11. The Young Man at his Mother's Grave
12. The Lovers
13. A Sing Little House
14. In comes the Young Woman's Husband
15. Oh, Mother, I am so tired and hungry!
16. On one of the beds lies the body of a Middle-aged Woman
17. He was broad awake now
18. Mrs. Dabberton and Nelly returned

Hymns for this Set.

1. Adam's Ale
2. The Two Horns
3. Ding-dong
4. Shrink from the Glass
5. Carol
6. Bells of Long Ago
7. Childhood's Prayer
8. My Memory Turns
9. Be kind to thy Mother
10. I will arise
11. There's Love to Bless
12. Jesus loves the Child-ren
13. Angry Words
14. Merrily ring the Bells
### TEMPERANCE TALES—Continued.

**1 Y THE WHISKY DEMON; OR, THE DREAM OF THE REVELLER.**

Poem by Charles Mackay. Book, 6d.

<table>
<thead>
<tr>
<th>Story</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 “Body and soul are mine,”</td>
<td>said he “I’ll have them both for liquor”</td>
</tr>
<tr>
<td>2 The Reveller</td>
<td></td>
</tr>
<tr>
<td>3 The Demon Cask-o’-Whisky</td>
<td></td>
</tr>
<tr>
<td>4 The Demon’s Home</td>
<td>“Come, drown all care and sorrow”</td>
</tr>
<tr>
<td>5 Teas and Drops</td>
<td></td>
</tr>
<tr>
<td>6 The Drunkard’s Home</td>
<td>“They’ll fill your home with care and grief And clothe your hacks with latten”</td>
</tr>
<tr>
<td>7 The Three Roads</td>
<td>“I’ll be your friend in hour of need, And find you homes for ever”</td>
</tr>
<tr>
<td>8 The Demon’s First House</td>
<td>“The first it is a spacious house To all hut nots appalling”</td>
</tr>
<tr>
<td>9 The Demon’s Second House</td>
<td>“The second is a lazar house, Basst-fidd and unholy”</td>
</tr>
<tr>
<td>10 The Demon’s Third House</td>
<td>“The third and last is black and high The abode of guilt and anguish”</td>
</tr>
<tr>
<td>11 The Demon’s Hour-Glass</td>
<td>“Out on the fool who mars to-day With thoughts of a hereafter”</td>
</tr>
<tr>
<td>12 The End</td>
<td></td>
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</tbody>
</table>

**IZ “THE LEGEND OF ST. SWITHIN.”**

Beautifully Painted, £4 4s. the set, with Manuscript Reading. Plain Slides, 12s. the set.

<table>
<thead>
<tr>
<th>Story</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Introduction. “A Rhyme for Rainy Weather”</td>
<td></td>
</tr>
<tr>
<td>2 St. Swithin drank a pitcher full of grog</td>
<td>Before his morning prayers</td>
</tr>
<tr>
<td>3 “With pools of water from the Dee, To mix Swithin’s grog”</td>
<td></td>
</tr>
<tr>
<td>4 “And the poor bewildered Sacristan Sought fountain, glen, and hog”</td>
<td></td>
</tr>
<tr>
<td>5 “The spacious pond whose crystal streams Were watched with jealous care”</td>
<td></td>
</tr>
<tr>
<td>6 “St. Swithin, roared the Abbot, Ple on the drunken rogue”</td>
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<tr>
<td>7 “And St. Swithin orenched his fist and said, ‘I’ll make the churl repent’”</td>
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<tr>
<td>8 “I fear he wrought some hellish charm, Or dreadful magick spell”</td>
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<tr>
<td>9 “St. Swithin, in his madnosh, Looks o’ver the convent wall”</td>
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<tr>
<td>10 “It is his Grace,” the Abbot cries, “Haste! haste! and pull him out”</td>
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<tr>
<td>11 “I wish your Grace good morning, And a cool and pleasant trip?”</td>
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<tr>
<td>12 “Alas! how many a precious soul Is cast away for drink”</td>
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499 " Fishing Fleet at the Quayside,  
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5. Int. looking E.
6. looking W.
7. Bishop Bird's Chancel
8. Chantry Choir.
10. From S.
11. Int., looking E.
12. 15th Cent. Choir Stalls.
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71. S. Aisle of Choir.
72. Across Nave from S. Aisle.
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75. S. Thomas of Hereford's Shrine.
76. Lichfield, Ext. from Bridge.
77. Pool.
78. W. Front.
79. W. Door.
80. W. Door (Side View).
81. Ext. of Apsé.
82. Choir, looking E.
83. Choir and E. Window.
84. Bishop's Throne and Choir.
85. Nave, looking E.
86. Nave Arcade.
87. Looking across the Nave.
88. N. Aisle of Nave.
89. Int. of Lady Chapel.
90. Door leading to Chapter House.
91. Carving in Chapter House.
92. Lincoln, W. View from Castle.
93. Exchequer Gate and West Towers.
94. Western Towers.
95. W. View.
96. S.W. Door.
97. Angel Choir and E. Window.
98. E. End of Angel Choir.
99. Angel Choir, looking E., Easter Sepulchre on extreme left.
100. Lincoln, Back of Altar Screen and N. Side of Angel Choir.
101. Nave, looking E.
102. Nave, looking W.
103. Nave and W. Window.
104. Window, known as the Bishop's Eye and S. Transept.
105. The Cloisters.
106. The Chapter House.
107. Front and N. Side of Nave.
108. Liverpool, Ext.
109. Llandaff, Ext.
110. Int. The Nave.
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112. The Choir.
113. Newcastle, Ext.
114. Norwich, Cathedral and Water Gate.
115. The West Front (1).
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117. From S.E.
118. The Cloisters.
119. Ethelbert's Gate.
120. Oxford, From the Canon's Garden.
121. The Choir.
122. Peterborough, West Front (1).
123. West Front (2).
125. Ext., S. Transept.
126. Choir, looking E.
127. Altar and Marble Pavement.
129. Nave, looking E.
130. S. Side Nave, looking E.
131. S. Side Nave, looking W.
132. Norman Door and N. Side of Nave.
133. Entrance from Cloisters to Deanery.
134. Butter Market and Hall.
135. Ripon, Ext. from the S.E.
136. Int. Nave from the West.
137. Rochester, W. View from Castle Keep.
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| 191 The Reredos. | 192 Near View of Altar, showing Lower Part of Reredos. |
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| 207 S. of Aisle, looking W. |
| 208 King John's Tomb and Choir Stalls. |
| 209 York, Ext. | 210 W. Doorway. |
| 211 Choir, looking E. | 212 Choir, looking W. |
| 213 Nave, looking E. | 214 Nave, looking W. |

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| 3 Exterior from front door of Deanery | 21 " " The Reredos |
| 4 Ext., West Front | 22 " " Nearer View |
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| 8 " North Porch | 26 " " Nave looking W., from Chancel Steps |
| 9 " and Bishop's Palace | 27 " " Lady Chapel from S.W. |
| 10 Close, North Gate, Exterior | 28 " " Looking across Nave from S. Aisle |
| 11 " " Near View | 29 " " Monument to Bishop Giles |
| 12 " " Interior | 30 " " Monument to Wife of Bishop Moberly |
| 13 " Harnam Gate | 31 " " Bishop Audley's Chantry |
| 14 " St. Ann's Gate | 32 " " South Aisle |

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7 " The Ceiling and Butohery Lane
8 West Towers and Mercy Lane
10 The Norman Portion, Exterior
11 East Cloisters and Entrance to Chapter House
12 The Gateway through which Becket passed
13 Old Norman Doorway
14 Interior of the Nave, looking E. to the font given by the Bishop of Rochester, 1836
15 Interior of the Nave, The Pulpit erected to the memory of the late Dean Payne Smith
16 Statue of King Ethelbert
17 Queen Bertha
18 Choir looking E.
19 W. from Communion Rail
20 The Archbishop's Throne
21 Archbishop Chicheley's Tomb, with two effigies
22 South Aisle of the Nave
23 " Looking W. from Black Prince's Tomb
24 Pilgrims' Steps to Becket's Shrine
25 Ascend and Ambulatory of Trinity Chapel
26 Tomb of the Black Prince and Relics
27 Becket's Crown and S. Augustine's Chair
28 S. Augustine's Chair
29 Tomb of Henry IV. and Joan of Navarre
30 The Martyrdom. Becket's Shrine
31 The Dean's, or Lady's, Chapel
32 The Dean's, or Lady's, Chapel, showing the old Bishop's Throne, carved by Grinning Gibbons
33 S. Michaelis, or Warriors', Chapel
34 The Crypt
35 " looking W.
36 " Lady Chapel
37 " of Trinity Chapel
38 " A Corner, & Cardinal Morton's Monument
39 " The Black Prince's Chantry, now the French Church
40 S. Gabriel's Chapel
41 Norman Porch and Stairway
42 " and King's School
43 The Bapistry from the Dean's Garden
44 Ruined Arches of Monastery Infirmary
45 S. Augustine's Abbey, Gateway
46 S. Augustine's Abbey. Early Norman Stone Wall, A.D. 1066, added brickwork, A.D. 1555
47 S. Augustine's Abbey, Tudor Wall of Henry VIII. A.D. 1398
48 S. Augustine's Abbey. Quadrangle
49 S. Augustine's Abbey, The Hall or Dining Room
50 S. Martin's Church
51 " from field
52 " wall showing Roman Bricks
53 " Interior
54 " The font
55 Old Houses in Burgate Street and Tower of S. Mary Magdalene, A.D. 1503
56 Dane John, and the Avenue of the Gleaning
57 City Wall and Obelisk
58 The Castle
59 West Gate from without
60 River Stour
61 East or King's Bridge, and old Houses
62 S. Thomas' or East Bridge Hospital
63 The Beany Institute
64 Old House in High Street
65 The Butcher Market
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3 " The porch
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5 " interior, Nave looking E.
6 " interior, Nave looking W.
7 South Aisle
8 South Aisle, showing Decorated work and buttresses across arches
9 The Crypt
10 South Transept
11 Across the Transepts, the Flying Arches
12 Choir, looking E.
13 " Interior, from altar
14 " South side of altar
15 The Altar
16 Stone Sedilia
17 Ancient Monument Chests in Ambulatory
18 A corner in the Triforium Ambulatory
19 " Triforium Ambulatory
20 Cathedral, Double Piscina, etc., Triforium
21 " Tomb of Edward II.
22 " Tomb of King Oaric, A.D. 681 (introduced Christianity into Gloucester)
23 " Tomb of Robert of Normandy (Bog oak)
24 Painted Monument to Thomas Machen, wife, 7 sons and 6 daughters, A.D. 1614-15
25 South Clusters
26 " Slype, or S.W. Entrance to Clusters
27 " North Clusters and Lavatorium
28 The Lavatorium
29 " Thirteenth Century water tank
30 " Cloister Garth, or Dean's Garden
31 " Dean's, or Little Cloister
32 " Chapter House
33 " The Arches
34 Gloucester, from the River Severn
35 " Old House, Palace Yard
36 " Robert Raikes' house, Southgate Street
37 House in Catherine Street and Park Street, where Robert Raikes opened the first Sunday School
38 " Gambling, the class for which Robert Raikes opened his Sunday School
39 " Old house, Westgate Street, in which Bishop Hooper slept the night before he was burnt
40 " Bishop Hooper Memorial, erected on the spot where he was burnt
41 " Old Houses by the Memorial
42 " Old Houses in Westgate Street
43 " The New Inn
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4 from S.W., Reflection of Towers
5 from West
6 from the Railway Station
7 Western Tower from Library Roof
8 N.W. Pinnacle on North Transept
9 The Dun Cow, E. Transept, Ext.
10 Central Tower from West Towers
11 N.W. Doorway, showing Sanctuary Knocker and Window of upper room in which door-keeper was always on duty
12 Sanctuary Knocker
13 Sanctuary Knocker, Profile
14 Nave, from West
15 " looking East
16 " looking East from West window
17 Nave, looking West
18 Nave from Triforium of Transept
19 Nave, Across the, from S. Gregory's Chapel
20 Nave, The Tomb of the Earl of Neville
21 Root of showing the Dog Tooth
22 Triforium on the North Side of the Nave
23 Choir and Nave from the Great East (Rose) Window (Vista View)
24 Choir, High Altar
26 Choir, Carved Stalls and Organ
27 Choir, The Bishop's Throne in mourning for Bishop Westcott
28 Choir, Bishop Hatfield's Tomb, immediately under the Bishop's Throne
29 Cathedral, Choir, Bishop Lightfoot's Tomb
30 Early English Arch at E. of Choir. Triforium marks the Transition from Norman
31 North Transept
32 Triforium, Tomb of Bishop Van Mildert, the last of the Prince Bishops of the County Palatine
33 Transept, Tomb of Bishop Shute Barrington
34 Passage (in the thickness of the wall) across the E. Window
35 Triforium in the Chapel of the Nine Altars
36 Nine Altars, with St. Cuthbert's Shrine
37 Nine Altars, showing St. Cuthbert's Shrine
38 Nine Altars, showing surface of the Platform on which the Shrine was built
39 Lectern
40 Pulpit
41 Font
42 East Side of Cloister, Norman Doorway
43 Cloister Garth
44 " This was the Cemetery of the Old Monastery
45 Galilee, one of the finest pieces of Norman work in existence
46 Tomb of Venerable Bede in Galilee
47 Crypt, Old Stones from Restoration at Back
48 Chapter House after a Meeting of the Chapter
49 Chapter House, Prior's Seat (now used by the Dean and Bishop). This belongs to the Reformation days
50 The Prebendal Bridge, belonging to the Dean and Chapter
51 S. Gateway from the Bailey on to the River, Prebendal Bridge in distance
52 Roof of the Monastic Kitchen, now Dean's Kitchen, very curious Medieval architecture
53 The Dean's Kitchen
54 Collier's Gateway, with Chapel over Gate leading from the College into Bailey
55 The Castle Gateway and Keep, from the Castle Garden
56 The Keep of the Castle (Modern)
57 The old Keep, which was ruined, was restored when Van Mildert gave the Castle for the University
58 The Castle Gateway, Entrance from Green Courtyard
59 The Castle Courtyard
60 The Castle. Norman Gallery. The authorities destroyed one side of the Norman work to make cubicles for students
61 The Castle. The Hall, now University College Hall
62 The Castle. The Hall Garth
63 The Old Tribe Barn of Durham Monastery
64 Chair of State
65 " University Chapel, Father Schmid's Organ
66 " The Underground Norman Chapel
67 " " At the Reformation
68 " St. Cuthbert's coffin was removed from the Shrine and placed in this shell, which is now in the Castle Kitchen Library
69 Framwellgate Bridge, built 1100, but enlarged since 70 Framwellgate, one of the best views of the Castle and Cathedral together
71 Framwellgate, Old Houses in, originally an entrance to the City, now a Slum
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10 Mouth
11 Artists at work
12 The Old House
13 Return of the
14 A Fishing Boat
15 Portmhere Road
16 Old Stone Arch
17 Back Road, East
18 View of Battery
19 Porthmhere
20 The Island
21 Sunset over the Atlantic
22 Coast Guards lookout
23 Rocks round island
24 Clodgy Point
25 Clodgy, the Rugged Coast
26 On the Cliffs with Cattle
27 Hope Point
28 Carbis Bay
29 Carbis Railway Arches
30 Kull Monument
31 Cornish Village with Fuchsia
32 Towaschnack Church
33 Ruins of old tin mines, Rose
34 Wall Hill
35 St. Paul's Church, Fale Town
36 St. Erth's Station
37 Lelant Street
38 Manazenn Village
39 St. Michael's Mount and Causeway
40 Penzance Harbour
41 Promenade
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10 Clare College Bridge
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12 Corpus Christi, Front
13 Old Court
14 Downing College, with R.C. Church in distance
15 Emmanuel College, Chapel and Picture Gallery, by W. Wren
16 The Fitzwilliam Museum
17 Great St. Mary's Church
18 Jesus College, Gate
19 Chapel
20 King's Parade
21 King's College, S.E. Front, with Statue of Henry VIII
22 Gate and Chapel
23 The Chapel, S.W. Door
24 Int., looking West
25 Choir Stalls
26 and Organ Screen, looking East
27 Fellows' Buildings
28 and Chapel and Clare College
29 Bridge
30 Magdalene College, Pepysian Library
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32 School of Phythagor, now Merton Hall, from Sir Roger de Morton, Lus Bishop of Rochester, who left it to Oxford to found Merton College. Afterwards used by Miss Clough to start the Women's College now carried on at Newsham
33 School of Phythagor, W. front looking N.W.
34 showing Medlar Tree
35 mentioned by Oliver Wendell Holms in his "100 Days in Europe"
36 Pembroke College, Front
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38 Try Court
39 Peterhouse College
40 from Fellows' Garden
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44 Queen's College, Walnut-tree Court
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48 " St. Catherine's College
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50 " New Buildings
51 " Chapel
52 " Old Bridge
53 " Bridge of Sighs
54 Sidney Sussex College, Hall Court
55 " " " New Court
56 Trinity College, King's Gateway, Statue of Henry VIII
57 " " Fountain and Gate
58 " New Court
59 " Chapel
60 " Anie-Chapel
61 " Library
62 " Hall Library
63 " Bridge
64 " Clare, and a peep of King's Colleges
65 The Greek Oration at the Presentation of Honorary Degrees in the Senate House, June 10, 1902
66 The Recipients of Honorary Degrees leaving the Senate House
67 Doctor in Red Robe, Students, &c., and Dons
68 Ely Cathedral, W. Towers
69 " East End
70 " " Porch
71 " " Prior's Door
72 " " Choir
73 " " S. side of Nave
74 " " S. Aisle
75 " " N. Aisle and Staircase
76 " " Lady Chapel
77 " " The Steeple Gate
78 " Bishop's Palace
79 Bury St. Edmunds, The Ruined Abbey
80 " " side view
81 " " Abbey Gate
82 " " Abbey's Bridge
83 " " Norman Tower
84 " St. Mary's Church, Porch
85 " " Int.
86 " Lavenham Church, from N.E.
87 " " Porch
88 " " Interior
89 " " Spring Pew, 1625
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8 " Choir Stalls and Royal Pew
9 Interior of Albert Memorial Chapel, looking east
10 Interior of Albert Memorial Chapel, looking west
11 The Round Tower
12 The Norman Gate
13 Upper Ward, from Home Park
14 The Guard Chamber
15 The Presence Chamber
16 The Vandyke Room
17 The Rubens Room
18 The Waterloo Chamber
19 The Throne Room
20 The Grand Reception Room
21 St. George's Hall
22 The East Terrace
23 The Corridor
24 " Altered to brighter Worlds and led the way"
25 The Dining Room
26 The Crimson Drawing Room
27 The Green Drawing Room
28 The White Drawing Room
29 The Quadrangle
30 The South Front of Upper Ward
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32 Snow Hill
33 Virginia Water
34 Rains at Virginia Water
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36 Interior of Royal Mausoleum
37 Duchess of Kent's Mausoleum
38 Clewer Parish Church
39 Eton College
40 Windsor Castle, Day
41 Moonlight
42 u, from the Terrace
43 Exterior, Albert Memorial Chapel
44 Interior, Albert Canonoph
45 Reception Room, Interior
46 Zuccaroil Room
47 Picture of H.M. the Queen
48 Prince Consort Group
49 The Orangery
50 The Bust of Nelson
51 The Throne
52 Virginia Waterfall
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9 " Side view, showing Shield
10 High Street, showing Statue of King Alfred
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34. Albert Memorial, Hyde Park
35. Group, Europe
36. Asia
37. Africa
38. America
39. Alexandra Palace, Exterior
40. Austin Friars Dutch Church
41. Bank of England
42. Beak's Bridge
43. Park
44. Blackfriars, Statue of H.I.M. the Queen
45. Blackfriars Bridge
46. Billingsgate Fish Market
47. Bow Street Police Court
48. The "Breakneck" (Public House)
49. British Museum, Exterior
50. British and Foreign Bible Society's House
51. Bridewell
52. British Museum, the Library
53. Buckingham Palace, Park front
54. Cannon St. Railway Bridge
55. Station and Hotel
56. Charing Cross Station and Hotel
57. Charing Cross (Eleanor's Cross)
58. Charterhouse Square
59. Cheapside looking E., showing traffic
60. S. Mary-le-Bow Church, Exterior
61. Interior
62. The last tree in Cheapside
63. Chelsea, Statue of Thomas Carlyle
64. Carlyle's house
65. Old Church
66. Clerkenwell, S. John's Gate
67. Sessions House
68. Covent Garden
69. Crystal Palace, Exterior
70. Interior
71. Crimean Memorial, Waterloo Place
72. Customs House, River Front
73. Doughty Street, Charles Dickens' House
74. Duke of York's Column
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80. The Great Hall
81. George Stephenson's Monument
82. Train leaving
83. Long-distance Train with two Engages leaving
84. Interior of Railway Sorting Van
85. Exterior of ditto, Cage open
86. Petter Lane, Old Houses
87. The Barbican ablaze on both sides of the street
88. Annual display of the Metropolitan Fire Brigade, October 18th, 1901
89. London Firemen at work. A rescue
90. Fire Station, Theobald's Road
91. Firemen going to a fire
92. Fish Street Hill, with Traffic
93. Fleet Street and Ludgate Hill
94. " looking East
95. " " Wolsey's Palace
96. " St. Bride's Church
97. Foreign Office
98. " from St. James's Park
99. Fulham Palace
100. Fulham Palace
101. " Entrance Gate and Clock Tower
102. " The Grounds
103. " Library
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106. " Drawing Room
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108. The General Post Office
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111. " Exterior and Hotel
112. Great Northern Railway Station, King's Cross
113. Greenwich Hospital
114. " from the Park
115. Park
116. " Hospital
117. " Painted Hall, Interior
118. " Great Chestnut Tree
119. " Park Avenue
120. " Sunet
121. " Observatory
122. Guildhall, Exterior
123. " Exterior, Great Hall, looking East
124. " looking West
125. High Holborn
126. Holborn, looking East
127. " Viaduct
128. " S. Sepulchre's Church
129. " Old Bell Tavern
130. " Bars, Old Houses
131. " Union, Grey's Inn Road
132. " Holywell Street, looking East
133. " West
134. " and Wych Street, E., entrances " to, showing the "Shakespear's Head"
135. Horselydown, Queen Elizabeth Schools
136. Horse Guards, Park front
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138. Houses of Parliament from the S.W.
139. Hyde Park, Rotten Row
140. " Head of Serpentine
141. " Tropical Gardens
142. " Achilles' Statue
143. Corner
144. Imperial Institute
145. India Office
146. Islington Municipal Baths
147. Kensington Gardens, The Fountains
148. " Round Pond
149. " Palace
150. " Kew Gardens
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153 Water Tower
154 Garden Front
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166 Chancery Court
167 London Bridge, showing traffic
168 London, from St. Paul's Cathedral, looking S.E.
169 London, Westminster, and Southwark in the Olden Times, showing the City and its Suburbs with the Churches, Monasteries, and all its important buildings as they stood in the Reign of Henry VIII., before the Reformation
170 London Bridge, looking towards the City
171 London Docks
172 The London Hospital
173 Lord Mayor's Show, State Carriage
174 Indian Trophy with 12 horses
175 Ludgate Hill, from St. Paul's
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177 Marshalsea, Hyde Park
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184 Interior, Statue of Darwin
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186 Newgate
187 Newgate Prison
188 Entrance
189 New Oxford Street
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191 Paddington Station, G.W.R. Terminus, Exterior
192 Pall Mall, East
193 Chapel, looking West
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197 Piccadilly, looking East
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202 Queen Victoria Street
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206 Reform Demonstration, 1884
207 Regent Street, instantaneous
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211 Royal Exchange
212 " " General View, Interior
213 " " Mid-day meeting of Bankers inside
214 Royal Military Asylum, Chelsea
215 The Royal Mint
216 Entrance to St. Bartholomew's Hospital
217 St. George's Hospital
218 St. James' Palace, Exterior
219 Gate
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221 S. James' Park, The Lake
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226 " " Refreshment Stall
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230 " " Altar, Pepys' and other Monuments
231 " " S. Aiise and Pepys' Monument
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233 S. Paneras Station
234 " " M. By. Terminus, Exterior
235 " " Interior
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241 Scotland Yard
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243 Smithfield, S. Bartholomew-the-Great Church, Exterior
244 " " Interior, looking East
245 " " Interior, looking West
246 " " Martyrs' Memorial Tablet
247 " " Cattle Market
248 " " Meat Market
249 The Cattle Market, Rag Fair, "Bookworms"
250 " " Selling Donkeys, "Who'll buy these for 30 bob each!"
251 Somerset House, Embankment
252 South Kensington Museum
253 " " Interior
254 Southwark, St. Saviour's Cathedral
255 " " Navv, looking E.
256 " " Choir, E.
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259 " " Lady Chapel
260 Spurgeon's Tabernacle
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262 " " Garden
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269 Temple Bar
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273 " " Looking towards Charing Cross
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292 " " Base of Nelson's Column, and Landseer's Lions
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298 Westminster Abbey, Tomb of David Livingstone
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364 Ludgate Circus, looking E.
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366 The Old Curiosity Shop.
367 Piccadilly, looking E., with Road up.
368 The Salvation Army Congress Hall, Strand (since demolished).
369 Strand, looking E., showing Congested Traffic.
370 Middle Temple, The Library from Fountain Court.
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373 Thames, View from Lambeth Bridge, looking towards Westminster.
374 Thames Embankment.
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377 Tower Bridge, Large Steamer passing Through.
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384 Regulating the Traffic in the Strand.
385 Traffic at the Elephant and Castle, London Road Junction.
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387 L.C.C. Electric Tramcar.
388 A Motor Omnibus.
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390 A Taximeter Cab.
391 Christ Church, Lancaster Gate
392 Marble Arch, showing recent Improvement.
393 The Government Offices, Whitehall
394 Westminster Bridge, near view, Westminster Abbey
395 Longfellow's Bust, Westminster Abbey
396 Westminster Hall, Exterior
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401 S. Clement Danes, Church, West Front
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403 S. Maryle-Strand, West Front
404 Women Shelling Peas, Covent Garden
405 S. Paul's viewed from a height at Blackfriars Bridge.
406 Ludgate Hill, from Messrs. T. Cook's Office
407 Fleet Street and Cook's Offices, from Ludgate Circus
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409 Trinity House, Tower Hill
410 Place of Execution, Tower Hill
411 London, from the Top of the Monument, looking East
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413 The Heart of the Empire, from the Top of the Royal Exchange
414 East Lane, Walworth, on a Sunday Morning
415 Clare Market, now demolished
416 Tomb of George Fox, died 1690, Founder of the Quakers
417 Tomb of Mrs. Wesley, Mother of Charles and John Wesley
418 Tomb of John Wesley
419 " " John Bunyan
420 " " Daniel Defoe
421 " " Newspaper Stall
422 A Shoebill
423 A Brewer's Dray
424 A Hansom Cab
425 Newspaper Sellers.
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6 A Lock. 22 Loading Barge with Bales of Wool.
7 Vessel Waiting to go Through a Lock. 23 Unloading a Barge.
8 The North Basin, General View. 24 Loading Barges with Sacks of Corn.
9 " " from Top of a 25 Unloading Oranges.
10 Warehouse. 26 Loading Barges with Barrels of Oranges.
11 Steamer Sailing Out. 27 28 Unloading Ice.
12 The South Basin, General View. 29 Loading a Barge with Stones, showing
13 Steamets. Donkey Engine at work.
14 General View of Steam Packets and Barge 30 Barge Laden with Kegs of Spirit.
Landing with Hay. 31 Loading Barge with Kegs of Port Wine.
15 Steam Packet "Loch Broom" Waiting to 32 Unloading Kegs of Port Wine.
Unload. 33 Kegs of Port Wine outside the Wine Vaults.
16 The Deck of a Steam Packet. 34 " " "

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   Railway Station
6 Ragged Children Feeding the Pigeons at St.
   Paul's in the winter with their own Food
7 Little Street Flower Girl
8 Saturday Night in the East End
9 The Cats' Meat Man with his Barrow
10 The Cobbler in his shop with Customer
11 A Street Arab
12 Street boys gambling on Sunday morning
13 His First Offence. A young Street Arab in the
   Dock at the Police Court (from the picture by
   Mrs. H. M. Stanely—Dorothy Tennant)
14 A Boy Italian Organ Grinder with his Monkey
15 A happy fireside Group. Children playing with
   kitten
16 Ragged Boys bathing in a Pond
17 A Ragged Newsboy and his Sister selling Papers
18 St. James' Park. Children at play. A Slum
   Nurse
19 " " The Little Mother
20 " " Fishing for Tiddlers
21 " " Fishing
22 Their only playground, the Churchyard
23 Woodchoppers, Smithfield
24 Their First Sight of Ocean; a ragged child's
   picnic to the seaside
25 Children at play in Fulham Park
26 A child in a Slum home
27 A boy nurse
28 A group of street boys with a baby
29 Cardboard Box Making in the Commercial Road,
   London
30 A Tailor's Sweating Den in the East End of
   London

London Street Studies.
31 " " " (Hailing an Omnibus)
32 The Court adjourned for Lunch
33 " " Like Master"
34 The Pavement Artist
35 The Searchers
36 The Organ Grinder
37 Regent Street Shopping
38 The Orange Woman
39 The hour before daybreak
40 Outside the Hospital
41 Flower Sellers
42 The Old Matchwoman
43 Distributing newspapers from a cart
44 Boys selling newspapers
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46 A Street hawkler
47 Banana stall
48 Woman with fruit stall
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50 A boot black
51 Ice cream vendor
52 Reed player
53 Sandwich man
54 A blind haggler
55 A street arah
56 Hop-pickers leaving London Bridge at midnight
   Sept 1, 1900
57 On the Thames Embankment. Dinner-time
58 " " "
59 Metropolitan Policeman

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8 Triforium across the Choir; the Diaper Work on the Wall facing
9 The Nave, looking East
10 The Screen: Monuments to Newton and others
11 The Choir, looking East
12 The Choir Stalls, looking West
13 The North Choir Aisle, with Monuments and Wall Decorum
14 South Aisle of the Nave, looking West
15 The Abbott’s Pew: Monuments to Congreve and others
16 Wall Arching, with the Fawcett Memorial
17 North Aisle of the Nave, looking West
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28 Interior of the Chapel of Edward the Confessor: the Tomb of Henry III.
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30 Chapel of St. John the Baptist: Tomb of the Earl of Essex
31 Chapel of S. Paul: James Watt’s Colossal Monument, and others
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33 The Roof of Henry VII’s Chapel
34 Doors in Henry VII’s Chapel, opening on the Ambulatory, with Ancient Font
35 Tomb of Henry VII, and his Queen
36 North Aisle of Henry VII’s Chapel, Tomb of Queen Elizabeth, etc.
37 Monument to Dean Stanley
38 South Aisle of Henry VII’s Chapel, Tomb of Mary Queen of Scots, etc.
39 Chapel of S. Nicholas: The Percy Monument
40 View of the Screen of S. Nicholas Chapel of Henry V’s Chantry; with Monuments
41 St. Edmund’s Chapel: Tombs of William de Valence and the Earl of Shrewsbury
42 Tomb of Edward III, in the South Ambulatory
43 Tomb of King Sobra, 1368, with Lid 615
44 The South Transept, as seen from the Triforium
45 South Transept: Poets’ Corner: Monuments to Chaucer, Spenser, Milton, etc.; Graves of Tompkins, etc.,
46 Chapel of St. Blaise, South Transept: monuments to Shakespeare, Burns, etc.
47 Monuments on the east side of the South Transept, to Handel, Garrick, and numerous others
48 Chapel of S. Faith
49 View across the Transepts looking N.E.
50 The North Cloister
51 The East Cloister. Entrance to Chapter House, Norman work beyond
52 View of the West Towers and the Deanery from the Cloisters
53 Front view of the entrance to the Chapter House
54 Interior of the Chapter House: the entrance
55 “stained glass windows” Central Pillar and
56 The South Cloister
57 Exterior view of the south end of the Transept from the Cloisters
58 The Abbott’s Courtyard
59 The Jerusalem Chamber, interior view
60 View of the West front of the Abbey, with S. Margaret’s Church and the Clock Tower
61 Wax Figure of Queen Elizabeth
62 “ ” Charles II
63 “ ” Duke of Buckingham
64 “ ” William III.
65 “ ” Nelson
66 Tomb of Queen Eleanor, Iron Grill, and Henry V’s Chantry chapel
67 “ ” Effigy
68 “ ” Archbishop Langham
69 “ ” Henry III.
70 Crowned Figure in niche of Henry VII’s Tomb
71 Ecclesiastical
72 The De Vere Monument
73 Monument to Pitt, Earl of Chatham
74 “ ” Captains Bayne, Blair, and Lord Robert Manners
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81 “ ” Sir John Franklin
82 “ ” the three Cannings
83 “ ” Major-General Sir John Malcolm
84 “ ” Lord Beaconsfield
85 Sir Isaac Newton
86 The Wesleys’ Monument
87 The Altar Piece
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8 The Choir, looking East
9 The Reredos, near view
10 Nave, looking West, from the Reredos
11 South Aisle, looking East
12 North-west Chapel, looking East
13 Jesus Chapel, showing Communion Table
14 The Crypt, looking East
15 " " Aisle, showing Wren's and other Monuments
16 " Nelson's Tomb
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14 The Estuary
15 Hall and Grounds
16 Stream, &c.
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32 Estuary from above
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34 Valley near Panorama
35 Walk at low tide
36 View from Panorama
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39 Breaking waves, shewingBridgeandStream
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47 The River
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49 The Bridge
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56 From below
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66 View of
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165 " Ditto
166 " Pont Ddu (near Barmouth)
167 " The Waterfall
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171 Tal-y-Llyn
172 " The Stream
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175 " Falls near
176 " A turn in the road
177 " The Bird Rock
178 " Tan-y-Bwlch (Capel Curig)
179 " Falls
180 " River
181 " Hotel, looking Bridge

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" Mountains in distance •

■ 1 a " Bridge

" Another Bridge

5 Falls

5 " Bridge

" Hillside, showing lake at foot

5 " Monument to Black j

12 " " Threshing seed

14 " " " Cattle hay

15 " Young Clydesdale

17 " Argyll, stream at Melfort

18 Balinacarra Hotel

19 Ben A'n. Lochiel Hotel [Big Ben A'tch, House of Loch Garbey from Rhinoceros]

21 Braemar, The Queen's Grounds

24 In Queen's Walk

25 " showing edge of path

26 " Lake in Queen's General View [Walk

27 Invercauld Arms

28 River Dee and Invercauld House

29 Bridge

30 " Bridge at Lyn of Dee

31 " Lyn of Dee

32 " The Dee

33 " near-view

34 " Invercauld Bridge

35 " At Garrawalt

36 Wood at Garrawalt, No.1

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38 " Garrawalt Falls

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42 " Bridge

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45 Caledonian Canal. Fort Augustus

46 Callander Bridge [bus

47 Hotel

48 Blacklin

49 Church of Iona

50 " The Nunnery

51 " McLean's Cross

52 Dryburgh Abbey, General View

53 " Tomph of Sir Walter Scott

54 Dunkeld. On the Tay

55 " from Cathedral Tower

56 " from the Bridge

57 " Cathedral, Ext. from S.W.

58 " nearer view

59 " The Cathedral nave, looking W.

60 " The Cathedral, interior

61 " At Hermitage Bridge, No.1

62 " view from above

63 " view from side (bridge

64 " Falls

65 " nearer view

66 " At Hermitage Bridge, No.2

67 " Rumbling Bridge, No.2

68 " Upper Falls

69 " Lower Falls

70 " Falls near

71 " Bridge

72 " Duchess of Athole's Grounds, Ruins showing river

73 "
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16. Large Nugget, weighing 463 oz., value $2,900.
18. Selectors escaping.
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47. Horse in Snow Shoes.

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12. Grande Place, Fountain erected to commemorate the Liberty of Antwerp.
13. Grande Place, The market on Friday morning.
14. Place Verte, Statue of Rubens.
15. Avenue du Sud.
17. Bruges. Place de la Vigne, night.
20. Place Van Eyck, the Canal.
22. On the Canal.
23. Canal of the Marble Works.
25. "Le Francais" and Canal.
27. The Green Quay.
28. Quay de Rosaire.
29. North Façade, Grand Place.
30. South entrance to the Convent of Beguins.
31. Gate of S. Croix, entrance.
32. Gate Maréchale.
33. Sheriffs' room, frescoes.
34. L'ancien Banlieue.
35. Hotel Grunthuse.
36. Hotel de Ville, Justice of Peace.
37. The Belfry and the Market Place.
38. The Lake d'Amour.
39. Rue l'ane avenue.
40. Bruges. Bridge of the Augustines.
42. Hotel de Ville.
43. Grande Place.
44. Boulevard Botanique.
45. The Cathedral Church of S. Gudule.
46. The Cathedral Church of S. Gudule, interior looking East.
47. The Cathedral Church of S. Gudule, The Carved Pulpit.
49. Ministerial Buildings.
50. Church of the Sablon.
51. The Sablon Market Place.
52. Rue de Midi.
53. Columns of Independence.
54. Statue of Godfrey de Bouillon.
55. Flower Market.
57. Cathedral and Belfry and Town Hall.
58. Cathedral, South.
59. South Façade, Grande Place.
60. Menin Gate.
61. Corporation Buildings.
63. Tillebeke Baptistical Church.
64. The Niemeyer Hall.
65. Sheriff's room frescoes.
66. Wooden Façade of the room of 27 Sheriffs.
67. Lace Makers at the Almshouse.
68. Alost. The Statue of Ch. Maestens and Hotel de Ville.
69. Bouvignes, Church and Ruins of the Château de Grèvecoeur. View from the Boat.
70. Bruges, Cathedral of St. Saviour, Int., looking E.
72. Church of Notre Dame, Int., looking E.
74. Flemish Milmak and Donkey.
76. Brussels, Palais de Justice, Hall of the Condemned.
77. Courtray, Belfry and Church.
78. Statue of Haeque.
79. Statue of Jan Fatyn.
81. Bayard Rock, South.
82. Church and Citadel, looking N.
83. Dizmuse, Hotel de Ville and Church of St. Nicholas.
84. Gand, Belfry and Cathedral, from Rue Cataloque.
85. Church of St. Pierre.
86. "S. Michael's" Church, the Pulpit.
87. The Dungeons of the old Castle of the Counts of Flanders, from the Courtyard.
88. The Old Market and the Lys.
89. Liège, Provincial Government House.
90. Lierre, Belfry and Hotel de Ville.
91. Church of S. Germaine, the Street.
92. Church of St. Germaine, the Shrine.
94. Church of Notre Dame d'Hanswijk.
95. Church of SS. Peter and Paul.
96. Ostend, The Kursaal, South side.
97. Oudenarde, Hotel de Ville.
98. Church of the Stalls, Pamela.
99. Church of S. Walburg, Int.
100. S. Nicholas, Church of Notre Dame.
101. Church of Notre Dame, Int.
102. Turnes, Hotel de Ville and Palais de Justice.
103. Belfry and Church of S. Walburg.
104. Church of S. Pierre.
105. Waterloo, The Lion Mound.
106. Ypres Cathedral, Int., looking E.
109. "The Vegetable Market, Hall.
110. Flemish Lacemaker.
111. Flemish Nun.

Note.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
PARIS.

Beautfully Painted Views, 5s.; Plain Slides, 1s. each.

1 Church of La Madeleine, West Front, Exterior
2 " " Interior
3 " " The Altar
4 " " Notre Dame, West front
5 " " East end and MORGUE from the Quay
6 " " Interior
7 " " Sainte Chapelle
8 " " German l'Auxerrois
9 " " Column of Austurilz, Pulling down by order of the Communists
10 Arc de Triomphe du Carrousel
11 Arc de Triomphe l'Etotiole
12 Eiffel Tower
13 " from the River
14 Equestrian Statue of Henri IV. (Pont Neuf)
15 Fountain de Medici, in the Luxembourg Gardens
16 Fountain (4 parts of the World)
17 The Grand Opera House, Exterior Front
18 The Hotel de Ville, Grand Flagge
19 " on Fire
20 " Smoke Effect
21 L'Alcazar d'Ette, Exterior, Cafe-Concert
22 Le Louvre, Grand Entrance
23 " Grands Magazines
24 " Salle des Cartesides
25 " des Saisons
26 Le Louvre, Salle de Venus de Milo
27 Quai du Louvre
28 Palais Montmorency
29 Boulevard Montmartre
30 The Mcullin-Rouge
31 Northern Railway Station, Front, Exterior
32 Opal-Comptoir, the Chatlet, steamboat and pier, in the distance
33 Palais Royal, Exterior
34 The Pantheon
35 Place de la Bastille
36 Place de la Concorde and Obelisk of Luxor, shewing the Madeleine in distance
37 Porte St. Denis, shewing traffic along the Boulevard
38 Porte Sainte Martin
39 Rue de Castiglione, shewing Vendome Column
40 The Trocadero
41 Vendome Column
42 Versailles, the Chapel Exterior
43 " Galerie des Glaces
44 " Galerie des Batailles
45 " Le Grand Chateau
46 Map of Paris
47 March of the Women, 1870
48 Napoleon III., late Emperor
49 The Louvre, La Salle d'Auguste
50 " Salle des Cartesides
51 " Statue, L'Amour (Gilet)
52 " L'Amour (Lemire)
53 " L'Amour (Chaudet)

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54 The Louvre, Statue, L'Amour and Psyche, reclining figure (Canova)
55 " " L'Amour and Psyche (Canova)
56 " " L'Amour and Psyche (Delastrate)
57 " " Berger and Odiile (Chaudet)
58 " " Aimathie (Julien)
59 " " Venus de Milo
60 " " Daphnis and Chloe (Cordet)
61 " " Antinos
62 " " Toilette d'Astalanta
63 " " Pechar Venitop (Rude)
64 " " Enfant à la Grappe (David d'Angers)
65 " " Innocence (Roman)
66 Luxembourg, Statue, La Jeunesse and L'Amour (Cranko)
67 " " Pas et Oura (Fremiet)
68 " " Immortalité (Longepled)
69 Vincennes, The Keep
70 S. Germain, Chapel and S. Front
71 " Roman Cavalier, Statue (Fremiet)
72 " " Gallic Cavalier (Fremiet)
73 " " Bois de Boulogne, Cascade
74 " " Bois de Boulogne, The Grand Cascade
75 " " Trocadero Cascade
76 " " Notre Dame, North Door at Porte Rouge, which formerly led to the Cloisters of the Cathedral
77 " " Notre Dame, from S.K., showing Flying Buttresses
78 " Place de la Concorde
79 St. Germain l'Auxerrois, West Front, Centre Arch arranged for funeral. The signal was given from the Tower of this Church for the starting of the Massacre of St. Bartholomew
80 " Cloitre St. Honoré, looking to Rue St. Honoré, showing Painter's Ropes
81 S.W. Corner of New Alexander III. Bridge
82 " Aire des Arts, Entrance from Avenue Nicolas II. (One of the few Buildings left standing from the 1890 Paris Exhibition)
83 " Arc de Triomphe du Carrousell (East side)
84 " Bassin du Canal St. Martin, looking towards Place de la Bastille, with Column of Jullets
85 " Stone Carte on the Quai d'Ivry
86 " Hotel de Ville from Quai aux Fleurs, April 9th
87 " Passage Hy. IV. from Cloitre St. Honoré: a little bit of Old Paris
88 Scenic in Flower Market at Street opposite the Madeleine
89 " The Louvre and Pont d'Arts, from Pont Neuf
90 " Notre Dame and Pont de la Soremeille
91 " Cloitre Portieux
92 " The Gallery of Fine Arts, exterior
93 " The Tocadero
94 " The Wine Market and Quai St. Bernard
95 " Flowers from the River
96 " Rue des Nations, River Front

THE PARIS EXHIBITION.

from Direct Negatives.
FRANCE.

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1 Abbeville: St. Wolfram's, W. Front (the principal Church). This gives a good idea of Ruskin's description of the sunset effect on the W. Front as he used to ride into the old city in the afternoon on his journey to Paris.

2 St. Wolfram's from N. The old street and the quaint old houses built all around the Cathedral (see Ruskin's description of the "Men and Chickens").

3 Grande Place, showing memorial to Admiral Courbay, who was a native of the city.

4 Corner of Grande Place and the White Horses of Flanders, showing the bells and harness of a miller's team.

5 Amiens: Rue Alsace and Lorraines. A typical main French road.

6 on the R. Somme, showing the early market and the quaint market boat in which they bring in the vegetables.

7 Cathedral, W. Front (see Ruskin's Bible of Amiens).

8 N. side of main entrance.

9 Details showing the Medallions.

10 S.W. Porch (Porch of the Virgin).

11 The Porch or entrance to S. Transept, now known as the Virgin's Door.

12 East end, showing the Flying Buttresses and base of Pliiche at intersection of choir and nave. The Chapel of the Maccabees in the foreground.

13 Nave, looking E.

14 from Triforium, over altar and looking W.

15 St. Germain's, the south porch. A beautiful little church in the old part of the city near the Cathedral.

16 Arras: Hotel de Ville, main front (south). This is one of the finest specimens in the North of France.

17 Hotel de Ville, main entrance, W. side, later work than the south front.

18 A French Billingsgate: The disposal of the day's catch at Boulogne Fish Market.

19 Cancale, Old House.

20 Carcassonne, the Ancient Bulwark City near the Pyrenees.

21 Chateau de Josselin.

22 " " Front view.

23 Combourg, The Chateau.

24 " " The Tower.

25 Compiégne.

26 Dieppe Harbour.

27 Dinan, The Bridge.

28 " " Rue Jersual.

29 " " La Collinais.

30 " " The Tower.

31 " " The Courtyard.

32 Dinard, From the sea.

33 " " The windmill.

34 " " Women washing in a pool.

35 Dol Cathedral.

Trade Mark.

36 Dunkirk.

37 Mont St. Michel, View of.

38 " " The Gateway.

39 " " The Main Entrance.

40 " " The Cloisters.

41 " " The Knight's Hall.

42 " " The Refectory.

43 " " Under the Church.

44 " " The Crypt.

45 Chapel of S. Aubert.

46 Ploërmel, The Church.

47 Rouen Cathedral, Nave looking E. This was taken during the Whitsuntide Festival and shows part of the fine old Tapestry hangings belonging to the Cathedral which are only shown during the principal festivals.

48 Cathedral, West Front (Whitsun, 1899).

49 " " From S.W.

50 " " Central arch.

51 " " Rue de S. Pierre.

52 Cloître with Statue le Père Cornelle.

53 St. Maclon.

54 " " West Front.

55 " " West Doors. Fine specimen of the 15th century. One of the finest churches in the old city.

56 " " North Doors. These doors are supposed to be the work of Jean Goujon.

57 Chapelle de la Fierc St. Romain. Place de la Haute-Vielle Tour, Built in 1445 solely for the annual ceremony of the Privilege de St. Romain.

58 " " Cloître St. Maclon 1530, one of the old graveyards of the city now used as a school.

59 Statue of Rollo (the Founder of Rouen and Normandy) in the Churchyard (S.E. corner) of St. Ouen.

60 Palais de Justice.

61 " " Courtyard of the Palais de Justice.

62 " " Portal of the Marmouset, South side of St. Ouen; one of the Architectural gems of Rouen.

63 " " St. Ouen.

64 " " West Front.

65 " " From South side River Seine.

66 Rue de la Grosse Horlge, showing 15 Clock, Fountain, and Belfry, in which is hung the Bell La Rouvel.

67 " " Statue Jeanne d'Arc. Place la Fucelle.

68 St. Omer Cathedral, W. door.

69 " " Nave and S. Transept.

70 " " Nave, Interior, N. side, looking E. Showing late screens to chapels and consecration cross on column.

71 " " Nave and Pulpit, S. side, looking W.

72 " " Organ and W. end from Choir.

73 " " North side looking West.

74 Washeswomen.

75 A Beggar: "Old Jean".

76 French Peasants going to Market on Suits.

77 Maintinon. The Viaduct.

78 Chateau de Maintinon.

79 " " General View.
FRENCH ABBEYS, CATHEDRALS, CHURCHES, AND CASTLES.

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NORMANDY AND CORDOIS.

1 Rouen, Tour Jeanne d'Arc, belonging to former Castle.
2 " Cathedral Ext., E. end Gate of Archbishop's Palace.
3 " Int., looking E.
4 " S. Portal.
5 " S. Ouen, N.E. angle Ext., showing Romanesque Chapel of former Church.
6 " Flying Buttresses of Choir.
7 " Int., looking E.
8 " Triforium of Choir.

ARQUES-LA-BATAILLE, NEAR DIEPPE.

9 Arques Church, Int., The Apse.
10 " " Ext.
11 " Ruins of the Castle.

CAUDREBEC.

12 Caudrebec, Int., cross view.
14 " W. Portal.

LEFT BANK OF SEINE.

16 Lisieux Cathedral, W. Front.
17 " S. Jacques.
18 " Cathedral, Int., The Choir.
19 " N. Aisle.
20 " Int., looking E.
21 Evreux, Church of S. Thomas, looking E.
22 " Bellfroi (Town Bellry).
23 " Cathedral, Ext., looking S.E.
24 " from N.E.
25 " N. Portal.

WESTERN PORTION.

26 Seez Cathedral, W. Front.
27 " Int., the Apse.
28 " Int., looking E.
29 Caen, S. Pierre, Ext.
30 " La Trinité, Ext.
31 " S. Pierre.
32 " La Trinité, Nave (Abbaye aux Dames).
33 " Notre Dame de la Gloriette Gëve," the former Jesuit Church.
34 " S. Etienne, Choir Aisle.
35 " (Abbaye aux Hommes), Int., looking E.
36 Bayeux Cathedral, Th. Choir.
37 " N. Arcade of Nave.
38 " Ext., looking N.W.
39 " Int., looking E.
40 S. Lô, Pulpit in Ext. N. Wall.
41 " Western Façade.
42 " Int., looking E.
43 Coutances Cathedral, Ambulatory.
44 " S. Pierre.
45 " Cathedral, Int.
46 Mt. S. Michel, Cloister.
47 " View from Raupart looking W.
48 " Street.
49 " Hall of the Knights.
50 " View from the Sands, looking N.W.
51 " View from the Digue, looking N.
52 " Don (Brittany), Int., looking E.
53 " S. Porch.
54 " Int. Cathedral, looking E.
55 " W. Front.

MISCELLANEOUS.

56 Rennes Cathedral, Flemish Altar-piece.
57 M. L'Abbé (Diocese of Rouen).
58 S. Adrien-on-the-Seine.
59 Dieu, Hôtel de Ville.

THE GREAT NORTHERN CATHEDRALS AND THE ISLE DE FRANCE, ETC.

60 Paris, Notre Dame, Int., looking E.
61 Rheims, Cathedral, Part of W. Portal.
62 " Church of S. Rémy, Int., looking E.
63 Amiens Cathedral, Int., from the Organ.
64 Beauvais, S. Etienne, Int., looking E.
65 " Cathedral, Int., Transept, looking S.E.
66 " Int., looking E.
67 " N. Portal.
68 Sens Cathedral, W. Portal, 13th cent.
69 " Desecrated Church of S. Pierre.
70 " Cathedral, S. Aisle.
71 " S.W. Tower and S. Portal.
72 " Int., looking S.E.
73 Soissons Cathedral, Int., looking E.
74 " Ext. of Choir, from N.
75 Laon, Cathedral, Int., the Choir.
76 " View from Citadel, looking W.
77 " Cathedral, W. Façade.
78 " View from Ramparts.
79 " Cathedral, Arcade of Nave.
80 " Int., looking N.E.

CHAMPAGNE.

81 Châlons-sur-Marne Cathedral, view of Int., looking E. Founded 12th Cent., altered 14th to 17th Cent. Façade 17th Cent.
82 Troyes, S. Jean, Int., looking W.
83 " Cathedral, Int., looking E.
84 " Street.
85 Lens Cathedral, Int., looking E.
86 " part of Nave, looking N.E.
87 " West Front.

THE GREAT WESTERN CHURCHES.

DOMICAL VAULTING.

88 Layal Cathedral, Int., the Choir.
89 " Int., from W. Gallery.
90 " Cordeliers, N. Aisle.
91 " Cathedral, Ext., looking N.W.
92 Angers Cathedral, Int.
93 Poitiers, S. Hilaire, Int., looking E. (Domed)
94 " Notre Dame, Int., looking E. (Romanesque).
95 " S. Hilaire (Domed).
96 " Cathedral, Int., looking E.
97 " S. Jean, Ancient Bapistry (Goth. Roman, 4th cent.).
98 Le Mans Cathedral, Int., looking E.
99 " Nave, looking S.W.
100 " S. Portal.

GOTHIC.

101 Le Mans Cathedral, Ext., Choir, looking N.W.
102 " Organ.
103 " Chartres Cathedral, Sculptures in Ambulatory.
104 " Cathedral, Int., looking E.
105 " View from Lower Town, Cathedral in Distance.
106 " Porte Guillaume.
107 " Cathedral, Int., looking E.
108 " N. Portal (centre).
109 " N. Portal.
FRENCH ABBEYS, CATHEDRALS, CHURCHES AND CASTLES—Continued.

111 Tours Cathedral, Aisle.
112 " " Ambulatory.
113 " " W. Portal.
114 " " N. Transept.
115 " " Cathedral, W. Front.
116 " " Tower of former Abbey of S. Martin, and new Church of S. Martin.
117 " " Cathedral, the Organ.
118 Orléans Cathedral, Int.
119 " " Ext. S. Transsept and Choir.
120 " " W. Front.

Examples of Chiefly the Southward Spread of the Great Northern Style.

124 Clermont Ferrand Cathedral, Int.
125 " " Notre Dame du Port, Int.
126 " " Limoges Cathedral, N. Portal.
127 " " Rodez Cathedral, W. Façade.
128 " " Int., looking E.
129 " " Ext., looking E.
130 " " Int., looking W.
131 " " Carcassonne, S. Nazaire, Int., looking E.
132 " " part of Nave.
133 " " Transept.
134 " " Narbonne Cathedral, Apses, (one example of lighting).
135 " " Ambulatory and Chapels.

Note.—Clermont, Notre Dame du Port: fine example of Auvergnat Romanesque groups with S. Etienne of Nevers. Carcassonne: the Eastern part of the church is referred to; the Nave is earlier and native work.

Churches of Central France.

136 Nevers Cathedral, Int., looking S.E.
137 " " Romanesque Apses, at W. End.
138 " " Ext., looking S.W.
139 " " City Gate on Barbian.
140 " " Place of the former Duca de Nevers.
141 " " Church of S. Etienne, Int. from W. Gallery.
142 " " S. Etienne, the Apses.
143 " " Moulins Cathedral, Int., looking S.E.
144 " " Bourges Cathedral, Choir.
145 " " The W. Portal, showing the ten doors.
146 " " S. Pierre, Int.
147 " " Cathedral, Ext., from Archbishop's Garden.
148 " " Maison Jacques Cœur.
149 " " Cathedral, Part of W. Portal.
150 " " Int., View from Choir.
151 " " Cross View.
152 " " Aisle.
153 " " looking E.

Note.—Nevers S. Etienne is Auvergnat Romanesque, (see Clermont Ferrand).

The Great Domed Churches: All South of the Loire.

154 Loches, Gate of the Town (with drawbridge).
155 " " S. Ours, Int. View, showing construction of one of the pyramids.
156 " " Tower and Pyramid.
157 " " Inner W. Portal.
158 Beaulieu, near Loches, Ané Abbey and Parish Church.
159 Angoulême Cathedral, Int.
160 " " Ext., looking N.E.
161 " " Perigueux Cathedral, S. Front, View from the River Isle.
162 " " S. Front, Int., looking E.
163 " " S. Etienne, High Altar.
164 Cahors Cathedral, Ambulatory.
165 " " Cloister.
166 " " Ext., looking N.E.
167 " " Ext., looking S.W.
168 " " Int., looking E.
169 " " Pont Valentré.
170 " " Cathedral, Int., looking S.W., showing W. Dome.
171 " " Pont Valentré.
172 " Le Puy Cathedral, W. Front.
173 " " Statue of Notre Dame de France (made of Crimean cannon).
174 " " Cathedral Cloisters (Romanesque).
175 " " Chapel of S. Michel, 10th Cent., on summit of a needle-rock, Int.
176 " " Cathedral, Choir, looking S.E.
177 " " Int., looking E.
178 " " In Sanctuary E., a domed Church, built of lava rock.

Note.—At Loches the domes are in the form of pyramids.

Burgundian.

179 Autun Cathedral, Int., looking E.
180 " " Roman Gate.
181 " " Interior of Romanesque Chapel (a museum).
182 Semur-en-Auxois, Int. of Church.
183 " " looking N.E.
184 " " looking S. E.
185 Paray le Mouilon.

Miscellaneous.

186 S. Benoît-sur-Loire, Int., E. End.
187 " " Crypt.
188 " " Arcade of Presbytery.
189 " " Details the Western Tower.
190 " " Solesmes, General View, looking S.
192 " " Abbey Gate and Parish Church.
193 " " Rocamadour, Part of Sanctuary.
194 " " View from the New Road.

Note.—Near Bridge (Guéguené), famous Pilgrimage in Middle Ages, half-way house to S. James of Compostella. Built against a cistern cliff.

195 St. Flour Cathedral, Int., Cross View.
196 " " Ext., looking S.W.
197 " " W. Front.
198 " " Int., looking E.

(Seldom visited, owing to its extraordinary situation).

199 Meude (Losère), General View, looking N.
200 " " Cathedral, Int., Channel, looking to S.W.
201 " " Destroyed by the Huguenots, rebuilt in 16th Cent., Int. View looking E.

Note.—Example of revival Gothic.

202 Saintes (Charente du Périgueux), Former Abbey Church of Notre Dame, from the Barrack Yard.
203 " " S. Entou, from the N.
204 " " S. Pierre Cathedral.
205 " " Gate, Arch of the Emperor Claudius.

Note.—S. Entou, finest Crypt in France (Romanesque).

206 Pontefract, Cistercian Abbey (12th Cent.), Int., looking E.
207 " " Abbey Cloister, from N.W.
208 " " Garth and Monk.
209 " " Abbey (Cistercian), Cloister with Monk.
FRENCH ABBEYS, CATHEDRALS, CHURCHES, AND CASTLES—Continued.

The Great Southern Churches, both Romanesque and Gothic.

3, Fleet Street, Temple Bar, London, E.C. 409

325 Toulouse, Jacobins, Ext. Example of Brick Church in Southern style.
323 " Cathedral, Choir Aisle.
324 " Church of the Jacobins, now used as the Chapel of the Lycée.
255 " Cathedral Nave, which is earlier than, and has a different axis to, Choir.
326 " S. Sermin, 11th Cent., Int., looking E.
327 " Cloister of the Augustins, now a museum.
328 " Cathedral Choir, looking S.E.
260 " S. Sermin Chapel, with Byzantine crucifix, said to be anterior to the decree of the Eastern Church forbidding images in relief. (S. Sermin and the Cathedral Nave are the real Gothic.)
261 S. Gaudens (Haute Garonne), Details and Cross View.
362 " Ext., looking S.W.
363 " Int.
364 Agde (Hérault), General View of Int., looking E.
265 " Cathedral, High Altar and Renaissance reredos.
266 " View across the River Hérault, Cathedral, looking E.
267 Elna, or Helené, originally a Greek Colony, —the ancient Elleberis —formerly Spanish territory.
268 " Cathedral, Ext., looking N.W., showing old Ape, and base of 15th Cent. Ape never finished.
269 " Cloisters.
270 " Interior of former Cathedral.
271 " Cloister.

Notes.—Albi Béziers and Agde are fortified churches, also Narbonne.

CONTINENTAL CATHEDRALS, ETC.
272 Arles, Cathedral of S. Trophimus.
273 " the 13th Cent. Doorway.
274 " 9th Cent. Cloisters.
275 " Gothic Cloisters.
276 " Monastery of Mont Major.
277 " The Fortified Tower.
278 " The Well in the Cloister.
279 " Roman Amphitheatre, with Medieval Tower.
280 " Entrance.
281 " A Glimpse of the Arena.
282 " Gallery.
283 " Greek Theatre and Saracen’s Tower.
284 " Two Columns.
285 Avignon, the 14th Cent. Wall.
286 " The Walls.
287 " A Gate in the Ramparts.
288 " A Gateway.
289 " The Old Bridge.
290 " Distant View of the Palace of the Popes from across the Rhone.
291 " The Gate of the Railway Station.

FRENCH

Beautifully Painted, 5s. and

1 Marshal Ney in the Retreat from Moscow.
2 Passage of the Douro by the Division under the Command of Lieutenant-General the 31st Hon. Edward Paget.
3 Napoleon at Jena, with General Berthier and Murat.
4 The Attack on the Tuileries, August 10th, 1792.
5 Meeting of Napoleon and the Czar Alexander.
6 Execution of Marie Antoinette, October 16th, 1793.
7 The Entry of the French into Milan, May, 1796.

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9 Bonaparte at Saint Cloud, November 10th, 1800.
10 The Passage of Mont St. Bernard, May, 1800.
11 The Battle of Marengo.
12 Talleyrand.
13 Napoleon Crowning Josephine.
14 Marching the French Prisoners into Salamanca after the Battle, 1813.
15 Entry of the Allies into Leipzig, October 10th, 1813.
16 Porto Ferrajo, Elba, 1814.
17 Marshal Soult.
LI

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6 Cannes—the Quay
9 Rue Centrale Cannes
8 Cannes, La Croix des Garde
9 Boulevard de la Croisette
10 Grasse—General View
11 Nice—General View from West
12 — Promenade des Anglais
13 — Harbou and M. Bon
14 — Villefranche Road
15 —The Casino, &c.
16 — Cimies,—Ruins of Theatre
17 Villefrange—Le Harbour, &c.
18 Beaulieu—Little Africa
19 Eza, from the Corniche Road

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2 Bastei, Rocks of
3 Bavaria, Linden
4 Berlin, Bridge and Arsenal
5 " Cathedral
6 " Jewish Synagogue
7 " Palace of the Emperor
8 — Interior, Salle Blanche
9 — Interior, Salle Manger
10 — Palace, Prince Imperial
11 — Statue Freud, the Great
12 " the Museum
13 " Cathedral
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20 " Juden Grasse
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61 " " Street
62 " The Castle
63 " "
64 " Pathway through the vineyards
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67 Cochem, Vineyards on the Moselle, near
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11 Group of Haymakers and Ox Waggons.
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13 Path along Lake Silvaplana.
14 Lake Silvaplana from the Woods.
15 Sils Maria Village.
16 Sils Maria from the South.
17 An Lock of Hay.
18 Lake of Sils and Isola Village.
19 Maloja from Lake of Sils (Cattle).
20 Maloja from Promenade des Artistes.
21 Oxen to Milone Home the Hay.
22 Camper, the Lakes and Piz Marguas.
23 Camper, the Valley and Lake.
24 The River Inn, near St. Moritz Bad.
25 St. Moritz from Johansberg.

90 Pont St. Louis, boundary of France and Italy
93 Venetinilla, from River Bed
94 Bordighera, View looking East
95 San Remo—West Bay and Promenade
96 — View in the Old Town
97 The Market Place
98 Sirac, in Old San Remo
99 Woman Carriers of San Remo
100 — Old Town of San Remo
109 Villa Ziro, Emperor Frederick's Residence
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78 Savona, Corso Principe Amadeo
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71 " Canal
72 " Street
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74 Schloss Etty, Valley of the Moselle
75 Schloss Etty, and ruins of fort on opposite Bishop Baldwin
76 On the path to
77 Treves, The Cathedral
78 " Old Roman gateway
79 " bridge

40 Hungary, Grand Panorama
41 " Dorpat, General
42 Pesth, on the Danube
43 Prague, View of the Hradischen
44 " Bridge of
45 Salzhemmend, Capuschthu
46 Sarmstein
47 Styria, Cily, Panorama
48 " Graz
49 " The Arsenal
50 Trieste, Panorama
51 Vienna, Imperial Palace
52 " View of the Graber
53 " "
54 " Schoenbrunn, General
55 " Bridge de Radeski
56 " Cathedral of St. Stephen
57 " Volks Church
58 " The Semmerring Valley
59 " The Viaduct

50 Treves, Ruins of Roman Palace
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72. Königstein Castle and Fort
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76. Mayen, Bridge of Boats
77. Mayen, Cathedral, from Market
78. Mayen, from S.W.
79. Neuwieder, Palace
80. Neuwieder, Palace
81. Neuwieder, Palace
82. Oberwesel, General View
83. Oberwesel, Palace
84. Rommense, General View
85. Rheinfels, S. Goar
86. Rüdesheim Rock
87. Rüdesheim Rock
88. Rheinstein, Singal Gour
89. Rotterdam, Bridge of Delft
90. Grand Hotel
91. Hotel de Ville
92. Panorama of the Meuse
93. Quai des Espagnols
94. Boulogne
95. Willemstein
96. Saint Goar, General View
97. Schaffhausen, from Swiss side
98. Bridge and Rapids
99. Falls of the Rhine
100. Laufen
101. General View
102. Stolzenfels Castle
103. Strasbourg, General View
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20. Castle of Luther's imprisonment
21. Wittenberg, Castle of the Elector of Saxony
22. Castle Church Interior, Luther’s Tomb
23. Castle Church Interior, Melanchthon’s Tomb
24. Door of the Castle Church on which Luther nailed his Theses
25. The Communion Table in the Stadtkirch in which the Sacrament was administered for the first time to the laity in both kinds
26. Tree marking spot where Luther burned the Bull
27. The Market Square, showing Statues of Luther and Melanchthon
28. Melanchthon’s Garden, where Luther and Melanchthon often walked together
29. Augustinian Convent where Luther lived as a Monk
30. Worms, Cathedral
31. Tree outside, called Luther’s Baum. As Luther entered the town he saw a man at this spot planting young Elm-trees. "Give me one," he said, "God grant that my Doctrine may spread as this branch," and planted it by his own hand
32. Monument to Luther and other Reformers including Wycliffe and Savonarola

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14. On the river Reus
15. Schams
16. Shrine outside City
17. Vitzaun, on Lake of Lucerne
18. Rhigi from Lucerne
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20. Kaltbad
21. Railway Station
22. Pine trees
23. Aldorf Village and Church
24. Monument to William Tell
25. Andermatt, The Devil’s Bridge
26. Restaurant
27. Lungern Village
28. Brienitz, Lake of, Giesbach Falls
29. Hotel Giesbach
30. Verandah
31. In grounds of Giesbach Hotel
32. Interlaken No. 1
33. No. 2
34. Thun
35. from the church walls
36. from Thuner-hof Hotel
37. Part of Town, No. 1
38. No. 2
39. “ , with Church
40. On the River Aar
41. The old Schloss
42. Street No. 1
43. No. 2
44. Thuner-hof Hotel
45. Lauterbrunnen, Village of, and Staubbach, No. 1
46. “ , No. 2
47. Valley of, No. 3
48. “ , No. 2
49. Falls of Staubbach, No. 1
50. No. 2
51. Hotel Staubbach
52. Falls of the Gimmel-bach
53. Müren, No. 1
54. “ , No. 2
55. “ , No. 3
56. “ , No. 4
57. “ , Part of
58. With the Eiger and Monch
59. Railway Station
60. Bernese Girl in Costume
61. View from
62. Cloud effect on Snow Mountains
63. Mountains beyond
64. Mountains above from Mettlen Alp
65. Snow mountains from, No. 1
66. “ , No. 2
67. Ebenuh and Grosshorn from near Müren
68. &c., from Müren
69. “ , No. 1
70. “ , No. 2
71. The Sefinnem Thal, View in
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275 Lake Lucerne, Path from
Sihlsurb to Bauen, a
bend

276 Lake Lucerne, Cottage near
Sihlsurb, above the lake

277 Lake Lucerne, Sisikon

278 Lake Thun, Castle

279 Lauterbrunnen Station

280 " Railway to Mürren

281 " The Staubach

282 " Valley from Iseltwald

283 " Valley, winter

284 Lauterbrunnen, A Swiss farm
neart

285 Upper Lauterbrunnen Valley,
showing Chalets

286 Upper Lauterbrunnen Valley,
at the Schmaribach Hotel

287 Mont Blanc, from near Ob- 
ach

288 Mönch and Eiger from above 
Mürren, Springtime

289 Mönch and Eiger, showing 
waterfall

290 Mönch and Eiger, winter

291 Mürren, Looking into the 
Valley, winter

292 Mürren, Springtime

293 " The Murrenbach

294 " Chalet, above

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296 Forka Pass

297 On the Rhone Glacier

298 Source of the Rhone

299 On the Scheidegg Pass in 
winter

300 Over the Little Scheidegg in 
winter

301 Staff Church in view

302 " Sunset near

303 Wengen, From the Alps

304 " Swiss Farm

305 On the Wengern Alps, winter

306 Old Church near Cadambria

307 Scene of the oath of the 
three men of Gruthurn

308 Bellagio, Villa Serbelloni

309 Brienz, Old houses

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311 Crevasse in the Eiger Glacier

312 Fluhlen, Lake Lucerne

313 Gorner Glacier and Matter- 
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314 Grindelwald, Church

315 " Mountain Railway

316 " Mitternegg and 
Bear Hotel

317 " Bear Hotel and 
Skating Ring

318 " Lower Grindelwald 
Glacier

319 " Looking towards 
the Little Scheidegg

320 " Chalets to Wetter-
thal

321 " Among the Chalets

322 " Iseltwald, looking 
North

323 " On the Toboggan 
"run"

324 " Sliding on " Ski 

325 " Dr. Hall & Guide 
on " Ski 

326 The Jungfrau and Lauter- 
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328 " Menaggio

329 " On

330 Lake Lucerne, near Teller-
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331 In the Lauterbrunnen Valley

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333 Lyskam, and Castor and 
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334 The Matterhorn from above 
the Riffel Alp

335 The Matterhorn from below 
the Riffel Alp

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the Riffel Alp No. 2

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the Riffel Alp No. 3

338 Monte Rosa & Gorner Glacier

339 Mountain Railway Train

340 Murren Church

341 View near Mürren

342 Spivgen, Snowstorm on the 
mountains

343 Waterfall on the Spivgen Pass

344 Entrance to Via Mala

345 At Wengern

346 Brienz, Geisbach Falls

347 Lauterbrunnen, Steauabach

348 Bad, Cowhorn

349 Lucerne, Trieb

The Tyrol.

400 Innsbruck, Statue of Arthur,
State Church

401 Lake Misurina (Rossa)

402 Sulzbach and the Coda

403 Toblach, the Town

404 Belluno

405 Tre Croce and Mt. of Tofana

406 " the Lake

407 Dürren Lake, Mt. Cristallo

408 Dürren Lake, Mt. Cristallo
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6 The Axenstrasse, near Brunnen
7 Tunnel through the Axenbergh
8 Interior of the Axenbergh Tunnel
9 Fluelen from the Station
10 Arsteg. The Reuss and S. Gotthard Railway
11 Arsteg. Viaduct over Mader once Thal
12 Inselh. Bristenstein and Bridge over Reuss
13 Pfaffensprung Loop Tunnel
14 Gosschenen looking West, with Viaduct
15 Gosschenen Valley, looking East
16 Gosschenen Railway Station and Snowplough
17 Gosschenen, North Entrance to S. Gotthard Tunnel
18 Schollen Valley, the S. Gotthard Road
19 The Devil’s Bridge
20 Tunnel looking N.
21 Looking S. towards Andermatt, photographed from same point as No. 30
22 Street in Andermatt
23 Hospenthal from the S. Gotthard Road
24 S. Gotthard Pass with house of refuge
25 Arrival at the Snowline
26 Lake at the top of the Pass
27 Hospice of S. Gotthard
28 Zig-zags in Val Tremola
29 Airolo, South Entrance to S. Gotthard Tunnel
30 Railway entering the Dazio Grande Gorge
31 The Dazio Grande Gorge, looking South
32 The Dazio Grande Gorge, looking North
33 The Dazio Grande Gorge, the Loop Tunnels
34 The Dazio Grande Gorge Level Crossing
35 The Road near Faido, looking towards the Dazio Grande
36 Faido
37 The Waterfall
38 Como Market and Clock
39 Milan Cathedral

The Ascent of Monte Rosa.

40 The Guides “Matthias Zun-tangwald” and “Auxilius Forren”
41 Monte Rosa from the Gadmen, with Corner Glacier in the foreground
42 The Lykhamm from the Plattlag
43 Arrival at a Cleaves with Breithorn and Polux
44 A halt for refreshment, showing Rothhorn, Weissenhorn, and Gornergrat
45 Ascending a Snow Slope
46 Seracs, with the Twins, Castor and Polux, in background
47 Monte Rosa, Arête and Lysjamm
48 Breithorn, Matterhorn, etc., from Monte Rosa
49 Dufour Spitz from snow Plateau
50 The Nordend and Seracs from Snow Plateau
51 A Map at the Gadmen

Miscellaneous.

52 Return from the Breithorn
53 Laxessis
54 The Deit Blanche from Unter Gabelhorn
55 Dent D’Herens from Unter Gabelhorn
56 Weissenhorn from Unter Gabelhorn
57 Alphubel and Alphubelhorn from Unter Gabelhorn
58 Zinal Rothorn from Unter Gabelhorn
59 Breithorn from Unter Gabelhorn
60 Rimpfischorn and Strahlhorn from Unter Gabelhorn
61 Dom from Unter Gabelhorn
62 Zermatt, Interior of Church
63 Bridge near
64 Guides
65 Guide and Wife
66 General View
67 Matterhorn
68 Breithorn Hut
70 Pestil-hut from Dom
71 Weissenhorn
72 View of the Matterhorn from the Riffel Alp
73 View of the Matterhorn from the Riffel Lake
74 Ditto from Hornli
75 Ascending the Riffelhorn
76 The Twins from the Riffelhorn
78 Dent Blanche from the Matterhorn Hut
79 The Corner Glacier
80 “The Icefall
81 Looking down a Cleaves with

Simplon.

82 Hospice Simplon
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84 Roadway and Cascade
85 Roadway and Cascade
86 Gorge of Gondo
87 Avalanche Gallery, and Goats
88 Lady in Swiss Costume
89 The Guides, “Ulrich Kautmann,” and another
90 Cowhorn on the Wengen Alp
91 The Eiger
92 Cloud Effect
93 Zwinglibar Church and the Eiger
94 Gletscher Falls
95 Group of Guides
96 Grindelwald. The Old Bear Hotel and the Eiger
97 Grindelwald. The Old Bear Hotel, the Courtyard
98 The Wetterhorn from the Old Bear Hotel, Chateau
99 The Wetterhorn from the Old Bear Hotel, Cloud Effect
100 The Wetterhorn, near view
101 “” after fall of snow
102 “”
103 “” from the Grindelwald Valley
104 Upper Grindelwald Glacier
105 Among the Seracs
106 On the Icefall
107 Upper Icefall on the Lower Grindelwald Glacier
108 Hot Plate on Rock in Glacier
109 Ascending the Zasenberg
110 Grindelwald Glacier
111 Fiescherhorn from the Lower Grindelwald Glacier
112 The Schreckhorn and Matterhorn from Grindelwald Valley
113 On the Lower Esmer looking towards the Strahlbich
114 Silverhorn from Wengen Alp
115 The Brunig Pass
116 A Chalet
117 Ulrich Kautmann. A Guide
118 Rhone Glacier
119 “” Furka Road
120 Oberland Mountains from Furka Road
121 Lucerne, the Schweizerhof Garden
122 Lucerne, the Schweizerhof Garden, Carpet Bedding
123 Why the Brunig trains are slow
124 Lower Reichenbach Fall
125 Top of Lower Reichenbach Fall
126 Rosenlaui, Welthorn, and Waterfall
127 Rosenlaui Glacier
128 Cows on the Zasenberg
129 A Cleaves. Lower Grindelwald Glacier
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132 Fiescherhorn and Eiger from the Zasenberghorn
133 Fieschergrat and Glacier
134 Schreckhorn from the Eiger summit
135 Wetterhorn and Eiger Arête from Eiger
136 On the top of the Eiger
137 Mönch and Jungfrau from Eiger
138 Alps of the Valais from Gemm glacier
139 Same Panorama showing Leukerbad
140 Leukerbad from the Gemmi
141 Gemmi from Leukerbad
142 The Visp from a moving train
143 Another train-window snapshot
144 Tour of the Rhone Glacier
145 Upper Part of the Rhone Glacier
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26 " The Bridge.
27 " Mill on the River Aar.
28 " Central Platz.
29 " The Church.
30 " A Milk Cart.
31 " Little Scheidegg, The Hotel.
32 " Zweihutschen, A Waterfall near.
33 " Grindelwald, The Main Street.
34 " The Wetterhorn.
35 " Goats going to be Milked.
36 " The Eiger.
37 " On the Baregg.
38 " Guide on the Baregg.
39 " The Mer de Glace.
40 " The Mer de Glace.
41 " Grindelwald, On the way to the Upper Glacier.
42 " The Upper Glacier.
43 " Sounding the Alpine Horn.
44 " The Interior of the Ice Grotto.
45 " Lake Brienz, The Giessbach Falls.
46 " Brienz Quay.
47 " Meiringen, The Reichenbach Hotel.
48 " The Reichenbach Falls.
49 " The Gorge of the Aar.
51 View from Handegg Hotel.
52 " The Hospice, showing Deep Snow.
53 " The Dilligences.
54 " Snow on the Grimsel Pass.
55 " Gletsch, The Rhone Glacier.
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61 " General View, showing the Matterhorn.
62 " The Matterhorn.
63 " The Church.
64 " Mules on the Riffel Alp.
65 " View of the Valley of the Visp from the Riffel Alp Hotel.
66 " View from the Riffel Alp Hotel.
67 " A Waterfall near.
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69 " A Side Street.
70 " Pissevache Falls.
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73 " The Eau Noire Stream.
74 " Chatelard, The Eau Noire Stream.
75 " The Valley of the Eau Noire. The Aiguille Verte.
76 " Chamonix, Mont Blanc.
77 " Street in Chamonix, showing Mont Blanc.
78 " Chamonix, Mont Blanc.
79 " General View.
80 " Statue of De Saussure.
81 " The Casino.
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91 " "
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18 Schollenen Gorge, Roadway up. 44 Seeburg, Lucerne, The Polytechnic Châlets.
19 Andermatt, General View. 45 " 46 Lucerne, An Ox Wagon.
20 A Boy on the Mountain side. 47 An Ox Timber Cart.
21 Goats going to be milked. 48 Sonnensburg, Pine Forest.
22 Lucerne, General View from the Gutsch. 49 Lucerne, The Sonnensburg Railway.
23 " 50 General View taken from Sonnensburg.
24 " 51 Lake of Lucerne, Statue of Christ Cut Out of the Rock.
25 " 52 Seeburg Pier, Lucerne Steamer Leaving.
26 The Lion of Lucerne. 53 Lake of Lucerne, A Steamer.
27 Lake of Lucerne, showing Railway Station and the Museum of Peace and War. 54 Lake of Lucerne, Flueien.
28 Lucerne, The Landing-stage. 55 Lake of Lucerne, Roytock.
56 Lake of Lucerne, Stanstad. Trinity.
59 The Rigi Railway. 60 Rigi, View up the
61 " 61 "
62 " 62 "
63 " 63 "
64 Vitznau, Mine Street, showing the Church. 64 "
65 Vitznau, A Street. 65 "
66 " Interiors of the Church.
67 " The Rigi Railway Terminal.
68 The Pilatus. 68 "
69 " 69 "
70 " 70 "
71 " 71 "
72 " The Valley from.
73 " On the Snow. 72 Paris, Church of the Holy Cross.
74 "
75 " A Street. 76 " A Street Tram.
76 " 76 "
77 Dippes Harbour. 77 "
78 " 78 "
79 Steamer Crossing the Channel.

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4 The Matterhorn, the Zinal Rothorn and the Dent Blanche from the Weisshorn Ridge.
5 The Rimpischorn.
6 The Aiguille D'Argentiere and the Aiguille du Chardonnet, showing the Tour Glacier (with clouds).
7 On the Ridge of the Weisshorn, with the Dom Taschan Allalinhorn and Rimpischorn in the distance.
8 The Lower Summit of the Rimpischorn, showing Monte Rosa and the Lyceum.
9 The Matterhorn from the Rocks of the Zinal Rothorn.
10 The Matterhorn from the Rocks of the Zinal Rothorn (with clouds).
11 Climbing the Aiguilles Dorees. The Tour Noir in the distance.
12 Climbing the Aiguilles Dorees.
13 Panorama view from the Weisshorn, showing the Dent D'Heres and Dent Blanche and many others.
14 The Summit of the Monte Rosa with clouds.
15 The Summit of the Rimpischorn.
16 The Summit of the Matterhorn and the Panorama therefrom.
17 The Aiguille D'Argentiere and Grand Fourche, from the Rocks of the Aiguille du Tour (with clouds).
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7 The midst of the Fall

9 From the Flaschentopf
10 Central Rock
11 Top of the Rock
12 From a Boat

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13 Town Wall and Towers
14 The Sprunnen Brücke
15 End of the Kapell Brücke
16 A Street Fountain

17 The Hof Kirche
18 Under the Wall of Hof Kirche
19 Frescoed House, Fruit Market
20 Comic Silhouette, Qual National

21 Pilatus from Lucerne
22 Lucerne from Pilatus
23 Kri Reuss from Lucerne

ON THE LAKE.

24 Lucerne from the Lake
25 A crowded Steamer
26 Concierges at Brunnen

27 Tunnel near Sisikon
28 Uri Rothstock from Tunnel
29 S. Gothard Train near Sisikon

30 Tourists at Tell’s Chapel
31 The Ackerstrasse

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32 Tödi from Baumgarten Alp

33 Clouds on the Kisten Pass

34 Tödi from Alp Rubi

Via Mala and Splügen.

35 Thusis and via Mala
36 The forlorn hole
37 A peep over the Parapet
38 Looking back at Thusis
39 A Telegraph Pole Climber
40 Near the first Bridge

41 The second Bridge
42 Under the second Bridge
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44 In the Kufha Gorge
45 The Roofs of Splügen
46 A Splügen Cow

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50 Below
51 A triple Avalanche Gallery
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75 The Blanc Stein
76 Snow Bridge over the River
77 The River burrows into the Allain Glacier

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78 Clouds up the Saas Thal
79 View of Alphubel from Bed of the Gletscher Stream
80 The Lenzspitz from Village
81 Hay Chalets
82 A Village Cross
83 The Dom in the Clouds
84 The Hohen Stiege Church
85 Interior with peep at Glacier
86 The Church with Dom
87 A Wayside Shrine
88 Sheep on the Gletscher Alp
89 Dom from... " "

90 Saas Féé from the Glacier
91 Féé Glacier and Dom
92 Alphubel from Glacier
93 and Brevesse
94 Allalinhorn and Fééjoch
95 " from Lange Fluehe
96 Sucking Icecles
97 Seracs on Féé Glacier
98 Eigerne from Glacier
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100 Almagell Church
101 Lower Almagellbach Fall
102 Upper Fall
103 In the thick of it
104 Tumbling Water
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107 Fine Pines
108 Church of S. Anton
109 Outside a Viap Hotel
110 The old Church, Viap
111 The Charnel House
112 The Road to Brig

OVER THE PETERSGRAT.

113 Ferden and Loutschental
114 The Blatschorn from Ferden
115 Tschingelnhorn and Breithorn
116 Preparing for the Snow Tramp
117 Grand Panorama looking back

118 The top of the Pass
119 Getting food ready
120 Brielschorn from Petersgrat
121 Deep Snow
122 A huge Crevasse

123 Arrival at Mutthorn Hut
124 Descending the Tschingel Glacier
125 View from Ober Steinberg

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130 An Ice Bridge
131 Where Ice and Rock meet
132 Little Schreckhorn through a Waterfall
133 Eiger from the Enge
134 Mettenberg from the Enge
135 Drinking
136 In an Ice Grotto
137 Sawing Ice from the Glacier
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14 Courmayeur, from Mountain
15 Great Bridge, Col du Géant
16 Courmayeur, Mt. Blanc HAR- mitage
17 Col Du Géant
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19 Fribourg and Bridge
20 Gasteren Thal, The Schilthorn
21 Geraun, from the Pier
22 from the Hills
23 Geisenen. St. Gothard Pass
24 Goldau and the Roseberg
25 Church
26 Handeck Falls
27 Hospenthal and the Reuss
28 Kailbad, Sisters'Fountain
29 Kandersteg Cascade
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31 Klosterli, on the Righi
32 Kussnacht, on Lake Luce
33 Laussana, General View
34 Lauterbrunnen, the Public Baths
35 Lugano, from the Park
36 Lungern, from Brenig Pass
37 Lake Lowerz and the Mythen
38 Martigny, General View
39 Cascade of Plsevache
40 the Gorge du Trient
41 Maiening, Falls of Mühlebach
42 Castle of Reichenbach
43 Mont Blanc and Chamouni
44 Aiguille de Charmoy, from Montaillvert
45 Glacier Aiguille du Géant
46 Mauvais Pas
47 Glacier des Boissons
48 Glacier and Church, Argentiere
49 Grands Mulets
50 The Cabin
51 Great Crevasse, Passage Impracticable
52 Mer de Glace, near View
53 Grand Pyramids
54 Flietere
55 Mont Blanc, Travellers ascending
56 the Summit
57 Les Ouches
58 Sallanches
59 Mürren Hotel, Eiger Maenoh
60 Pfäfers, Tannure Gorge
61 Rigih, Hotel at Summit
62 Railway from above
63 Railway Engine and Car coming down
64 View from Railway at Romiti Pelsenthur
65 Grubs-Bain Waterfalls
66 Staffel
67 Künz, from Righi Staffe
68 Bridge over Rothfuh- bach Ravine
69 Righi Engine and Car
70 Weggis, foot of the Righi
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72 Moonlight
73 Winter
74 Group of Monks
75 Chapel, Interior
76 Alarm Bells
77 St. Bernard's Group of Dogs
78 St. Bernard Dogs rescuing Travellers buried in the Snow
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81 Interior
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85 Blanztal and the Burgenstock
86 the Old Watch Tower
87 Vevey
88 Waesen, General View
89 View from Churchyard
90 Rohrbach Falls
91 Kermat. The Road to St. Nicholas, A Tight Squeeze
92 Zurich, General View
93 Cathedral, Grand Promenade
94 Mountains overwhelmed by an Avalanche

TYROL.

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95 " Neustadt
96 Valley of the Inn
97 Getzthal, Ambach Gorge
98 " Au, Panorama
99 Gaisburg Glacier
100 Grand Pyramid
101 Great Glacier
102 Gurgl, View of
103 Kaiser, General
104 Langthal, Glacier Br.
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26 Hoorn, The Harbour, &c. 27 The Old Water Gate 28 Marken, The Village from the Harbour 29 Street in Marken, The Little Boys 30 Marken, some of the Little Girls 31 A Family Group of Marken People 32 Marken Men and Girls in Holiday Attire 33 Marken Girls and Boys in their Best Clothes 34 Amsterdam, from the Harbour 35 Prins Hendrik Kade 36 Damrak, The Street 37 Landing the Morning Milk 38 A Volendam Fisherman, North Holland 39 Amsterdam, View on the Singel Canal 40 Flower Market on the Singel 41 Montel Baans Tower 42 Old Weigh House and Market 43 The Fish Market Quay 44 The Great Church and Street 45 The River Amstel 46 The Vegetable Market 47 Zaandam, from the Harbour 48 A Sailing Barge on the Zuyder Zee 49 Urk, Cathederal, Tower, and Town Hall 50 Houses along the Old Canal
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10 Burgos, Street, showing Cathedral
11 Cathedral, Gen. View
12 Cathedral, Doorway
13 Church of St. Peter
14 Cathedral, Gateway
15 Cathedral, General View
16 Cordova, Church of Guadalquivir
17 Church of Oranges, etc. Moorish Fountain
18 Tower, Church of Oranges
19 Church Cloister and Street
20 Entrance to Mosque
21 Tower of Mosque
22 Interior of Mosque
23 Corhegna. A Town on the
24 Cuenca, Palace of Inquisition
25 The Escorial Palace and Monastery
26 Queen's Chamber, Int.
27 Puettanarbia
28 Granada, Alhambra
29 Alhambra, Gen. View
30 Court of Lions
31 Arch in Court of Myrtles
32 Granada, Exterior Wall
33 Entrance, from Int. Window
34 Wall, Court of Lions
35 The Great Vase
36 Torre de las Infants
37 Ext. Walls
38 Gipsy Caves
39 Group of Spanish Gypsies
40 Group of Spanish Dancers
41 Spanish Dancers
42 The Sierra Nevada
43 Generalife and San Nicholas
44 From the Alhambra
45 Gate of Justice
46 Myrtle Court
47 Winter Palace
48 Court of Lions (Roof)
49 Entrance to Hall of Ambassadors
50 Hall of Ambassadors
51 Court of Two Sisters
52 Alhambra, Hall of Justice
53 Court of Abencerrages
54 Hall of the Three Princes (ceiling)
55 Gardens
56 King Charles Well
57 Torre de la Vela
58 a Gipsy
59 a Water-cresser
60 a Milkman
61 Pandango Dancers
62 Spanish Dancer
63 On the Roadside
64 Granada, The Guard
65 The Generalife from
66 Alhambra
67 The Generalife
68 " Sultana's Cypresses"
69 " La Roche, Junction (between
70 " Granada and Seville). Passengers waiting for Train
71 Madrid, General View
72 " Palace of the Queen
73 " Cortes
74 " Palace of Fuerta del Sol
75 " Royal Palace, Interior
76 " Picture Gallery
77 " Group of Beggars at
78 " Door of Cathedral
79 Malaga, The Harbour
80 " Fishman
81 " Spanish Bull Cart
82 " Harbour
83 " Cathedral
84 " View of Gibraltar from
85 " Street in
86 " Square
87 " Gordia. Calling the people to
88 " early morning procession
89 " on Good Friday
90 Pamplona, Panorama from
91 " Citadel
92 " Salamanca, Panorama of
93 " Saragossa, Market Place
94 " San Sebastian. General View
95 " General View
96 " from Carriagdon de Heredia
97 " Segovia. General View, with
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5 Good Comrades on the Unter den Linden, Berlin
6 National Reichstag, Berlin. The Reichstag is the building behind the Electric Car
7 Brandenburg Gate, Unter den Linden, Berlin—Changing Guard
8 Ushering corner in Moscow, part of the Kremlin
9 Siberian-Norwegian Father, the town where the Medieval Fair is held annually
10 A horse and carriage crossing the Volga on Ferry Boat
11 A Monastery on the Volga
12 A Convict Barge going to Siberia with convicts
13 A pretty village and fleet of barges at anchor
14 A bit of the bank on the Volga
15 The town of Kazan
16 A typical raft on the Volga
17 Barges towed by Steamer
18 Place where the Kamá runs into the Volga
19 Barges at anchor in Kama
20 A landing-stage and village on Kama
21 Tow towling barges, a common sight
22 A village on the Kama
23 A bit of the bank on Kama, windmills and stacks
24 Pretty village, with women washing clothes in foreground
25 A landing stage
26 Village and foresore on the Kama
27 The Steamer in which we travelled
28 A familiar Winter scene in Siberia
29 The ordinary sledge used in Winter in Siberia
30 Winter scene in Ekaterinburg
31 British and Foreign Bible Society's Depot at Ekaterinburg—Winter, showing baggage sledge
32 Another view of R. & F. Bible Society's Depot in Ekaterinburg in Winter
33 View of river at Ekaterinburg
34 Cathedral at Ekaterinburg
35 Street in Ekaterinburg
36 View near station on route from Cheljabinsk to Ekaterinburg
37 The River Mea and bridge at Cheljabinsk
38 Group of Siberian workmen, mostly shoemaking smiths
39 Convicts working in the street at Cheljabinsk
40 Hospital and Superintendent Doctor of Emigrants' Compound, Cheljabinsk
41 Forwarding Station for Emigrants at Cheljabinsk—View of the Compound
42 Another view of Emigrants' Compound, Cheljabinsk
43 The Market Place and Cathedral at Cheljabinsk
44 A Siberian village, from the train
45 British and Foreign Bible Society's Colporteur, Nikolai Konopleff, taken at Bogodol station
46 Station at Olymsk
47 Sitting taken from the observation car—Men working on the line wearing black veils to protect from mosquitoes, flies, &c.
48 The train de luxe at Samá Station, showing the observation car
49 A street in Irkutsk
50 View of River Angora and the town of Irkutsk
51 Train at Baikal station, showing the engines arranged for burning wood; also water tower, &c.
52 Harbour and Lighthouse, Lake Baikal—Western side
53 Church at Missowaya, which is the terminus on the eastern side of Lake Baikal
54 A station, with women selling beer, bread, milk, &c.
55 The train—Corridor with a platform at the end of each carriage
56 A family group of peasants, Siberia
57 Scene in the Forest
58 Near the Station of Chilok
59 Men working by side of the line
60 Scenery made up of pines and silver birch-clad hills lovely plains resplendent with flowers, and winding rivers with sand
61 Portrait of a murderer who dashed out the brains of his little child—In the prison, Tchita
62 Group of prisoners in the convict forwarding prison at Tchita
63 Model of a Burial Temple (Buddhist) in the Exhibition grounds at Tchita, the first town in Siberia after leaving Manchuria
64 View near River Ingoda and Engadi. Everywhere huge trees are lying ready to be cut into firewood or carried away
65 Typical party of Emigrants from Russia into Siberia
66 View of steamer being built to show how Chinese workmen are making way in Siberia—All the artisans working on this construction were Chinese
67 Steamer on River Amur
68 Vladivostock—View of the Pacific terminus of the Trans-Siberian Railway
69 A haggling peasant, friend of one of our party
70 Russian Emigrants camping out in Manchuria
71 Another party of Emigrants camping out in Manchuria
72 House of military guard of railway, Manchuria, by side of lines
73 Russian peasant in camp at Dalnie, No. 2
74 Zigzag ascent of train at Genych Khan, Manchuria
75 Summit of zigzag ascent
76 View taken at 8 p.m. (local time) at Ta Shih Ch'isc (Great Stone Bridge), in Manchuria, showing dwellings in course of construction for railway guard and other military officers
77 Curious hills at Shining Yau Ch'eng, Manchuria
78 Station at Kinghow, in Manchuria—The train and passengers on platform
79 Entrance to Port Arthur
80 British men-of-war leaving the harbour at Wei-hai-wei
81 Entrance to Wei-hai-wei, with British ships
82 Wei-hai-wei, showing business quarter and Chinese boats
83 Promontory and lighthouse, Province of Shantung, China

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8. View from landing stage of Ny Strand Pavilion (sea front)
9. Elsinore, Steamer leaving the Harbour
10. Gothenberg, Falls of Trollhat
11. On the '6' Village on the Canal
12. Kiel Canal, Get "Village on the Canal"
13. View of Falls from the top of the tower of Hotel
14. Trollhat Church
15. A small fall close to the King's Grotto
16. Gothenberg, A Ship passing through Gothu Canal Locks
17. Christiansh Flord
18. View from Oscar Hall
19. Holmenkollen
20. Entrance to the Norske Town
22. Hardanger Flord, Village
23. "A Sailing Boat"
24. "Village"
25. Odde, Odd Mountains from the boat
26. "General View"
27. "On the way to the Laatstos and Espelandstos Falls"
28. "On the way to the Laatstos Falls, looking towards Odde"
29. The Folgefond Glacier
30. "Espelandstos Falls"
31. "Laatstos Falls"
32. Odde, Laatstos Falls
33. "Hildalstos Falls"
34. "On the Mountain side"
35. Sor Flord
36. "Mr. Cotes' Steamboat"
37. "Fishing Harbour"
38. "Fish Market"
39. "Police Station"
40. "Main Street"
41. "Donau Plaisen Church"
42. "Avenue and Hills"
43. "showing the way houses are built"
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15. Poric Rouge
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24. "Girl in Holiday Costume"
25. "The Czar"
26. "Salle de Tusir"
27. "Salle & Newel"
28. Tertuina Palace
29. Guard's Room
30. Tertuina, Pal Triumphal Arch
31. Nijni, Monument, Oka and Volga
32. Nijni Novgorod
33. Odessa, General View
34. Port, Statue of Richilene
35. The Quay
36. St. Petersburg, General View
37. Amberast Town
38. Bridge of St. Nicholas
39. Bridge from Vistula Cathedral
40. Church of St. Isabel
41. Church of St. Isaaco
42. "Gatchina Palace"
43. "Corridor"
44. Gallery of the Logos
45. "Salon of Sculptures"
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48. Museum of the Hermitage
49. "Neva and the Bourse"
50. "Panorama"
52. "Palace of the Olga"
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54. "Peterhoff, Salon"
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57. "Peter the Great Statue"
58. St. Petersburg, Statue of St. Paul
59. "Status of St. Peter"
60. "Winter Palace"
61. "Kiew, General View"
62. "from Promenade"
63. "Port Statue St. Vladimir"
64. "Cracow, General View, Poland"
65. Warsaw, Saxe Square, Poland
66. "The Frage"
67. Cathedral, Interior
68. "Bridge over Vistula"
69. "Rusman House"
70. "Lesnol Village"
71. Alexander Berg Barrack
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73. "Governor's Daughter in Polish Costume"
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75. "Chabarofka, Golden Man and Woman"
76. "Nikolai, Etappe Prison"
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11 With the Borisaks: Gorky's old associates.
12 The Tsar's Irolka, or Three-horsed Carriage.
13 The Tsar's Shrine: the most sacred in Moscow.
14 A Peasant leaving a Shrine in Street in Moscow.
15 The Massacre of the Strikers on the Tzoltzi Bridge, St. Petersburg.
16 The Strikers Barricading the Streets.
17 Military Travelling-kitchen for Soldiers in St. Petersburg.
18 The Troops Guarding the Palace after the Riots.
19 Russian Troops Burning Bodies at Night after the Revolt.
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23 Fantoni Church 23 Street
24 Entrance 24 Pilot Boat on the Fjord
25 Borgholm Church 25 Lighthouse on the Fjord

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35 In the Norwegian Fjords, Cloud effects, No. 2
36 " " " No. 3
37 " " " No. 4
38 " " " No. 5
39 " " " No. 6
40 Gravesenvand Church
41 Gudvangen, View at
42 " " " Vikingsholt
43 " Noorofjord
44 Hønefoss, from opposite side of
45 Saw Mills and Timmer
era
46 Hamelst, Carrioles and Stokk
47 Langsdalron, General View
48 Lardelspreen, General View
49 Street in
50 Naer Fjord, The “Chimboraz”
51 Naer Fjord, The “Chimboraz”
on Deck
52 " " on Board
53 Nystuen, Buildings at Water
side
54 Kerke Saster, near
55 Odde, The Bruera
56 Hotel on Hardanger
57 " " Hardanger Hotel
58 Östre, Sildre Church
59 Oyle, Old Houses
60 Randsjoen Ordeens, Cornfield
61 The Ringealsvand
62 " Falls at,
63 " " near Odde
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10 " Friedriksborg Castle, General View
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12 " showing Entrance
13 " from Road
14 " Chapel
15 " showing Bridge over Most
16 " Part of courtyard
17 " Nearer view
18 " Gateway to
19 " The Moat

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10 View from San Miniato, Hill of Firenze in distance
11 from San Miniato
12 Cathedral, Giotto's Tower and part of Baptistery
13 Cathedral Dome from Giotto's Tower
14 Dome, Giotto's Tower
15 Old Wine Jars
16 San Miniato, M. Angelo's David and Group
17 San Miniato, Church of Palazzo Vecchio and Loggia
18 Palazzo Vecchio, Entrance
19 Ponte Vecchio
20 Piazza Signoria
21 Bargello
22 Heroenaneum, General View
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24 Map of Italy
25 Milan Cathedral, Painting. Last Supper
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27 Church of S. Eustorgio, Arch of S. Peter Marthe
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30 Crater and Cone, Day
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32 Naples. Bay of
33 Bay from Baile. Vesuvius
disappearing.
34 From Posilipo
35 Church of S. Severo, Int. of Dians of the Ephesians
36 Grotto of Posilipo
37 On the Chiaia
38 Scene near Chiaia
39 Scatteto del Ovo
40 Baile
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43 Harbour
44 Jupiter Serapis Temple
45 Monte Nuovo from Pozzuoli
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49 Buxus, Homer and Socrates
50 Street Scene
51 showing tram-lines
52 Group of Lazzaroni
53 Letter writer
54 Macaroni Shop
55 Napoleon Carriage
56 Pisa. View from Campanile
57 Campanile and South Transept of Duomo
58 Baptistery, Duomo and Leaning Tower
59 Baptistery, Duomo and Leaning Tower
60 Leaning Tower and Appenines
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63 Dante's Statue, Gallery
64 Dante's Statue, Gallery
65 Chains from Genoa
66 Campo Santo, Frescoes
67 Pompeii. Bankhouse and Tombs
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69 Street Stepping Stones
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90 On the Grand Canal
91 Doge's Palace from water
92 Courtyard, Copper Well
93 " " Details of Capital (the one figure by Ruskin)
94 Entrance
95 Doge Head from Pedestal
96 Portrait of Dossal Palace, South Side
97 " " " " Interior
98 Mole and Santa Maria della Salute
99 Royal Gardens and Campanile from Grand Canal
100 Piazzetta, Campanile and Clock Tower [panle
101 Loggia at foot of Campanile
102 Venice, The Rialto
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105 " " Torcello Cathedral and Santa Focas
106 " " Boat

ROME.

117 Appian Way
118 Tomb of Cecilia Metella
119 Arch of Constantine
120 " " " " and Meta Sudans
121 Basilica of Constantine
122 Arch of Titus
123 " " Friese with candlestick
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132 " " " " Tzarom
133 Catacombs, Interior
134 " " " " Ancient
135 " " Entrance to
136 " " " " Forum
137 " " Interior, Bronze Wolf
138 " " Colossal Feet in Museum of
139 Church of Ara Coeli, the Bambino, or Holy Doll
140 " " " " The Three Taverns
141 Courtyard of Medici's Palace
142 Colosseum, Exterior
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148 Gladiatorial Combats
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154 " " " " and Capitoline from Palatine
155 " " " " and Coliseum
156 " " " " Arch of Severus
157 " " " " " through
158 Forum, looking S.E.
159 " " " " N.W.
160 " " Temple of Castor and Pollux
161 " " " of Nerva
162 " " " " Trajan
163 Gate of Piazz IV, erected a.d. 1564, through which the Italian troops entered, A.D. 1570
164 Ancient Roman Sculpture, Jupiter, Mars, Mercurius and the goat-legged Pan
165 Ancient Roman Sculpture, Mithras sacrificing a Bull
166 Map, Servian Walls
167 " " Plan of Modern Rome
168Pyramid of Caius Cestius and Gate of S. Paul
169 Pantheon, Interior
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186 Pope Blessing.
187 Columns in Bernini's Colonnade.
188 Piazza, Bernini's Fountain and Colonnade.
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190 " " nearer.
191 Tarpeian Rock.
192 The Campagna.
193 The Campagna, Shepherd of Vatican, Portrait Pope Pius IX.
194 " " Leo XIII.
195 " " Interior of Library.
196 " " Torso of the Belvedere.
197 " " The Faun of Praeneste.
198 Vaticum, Bernini’s Colonnade and Fountain.
199 Pope’s Swiss Guard (group).
200 Pope’s Swiss Guard.
201 Statue of River Nile in Nuovo Braccio.
202 Gallery with Ariadne at a baths.
203 Gallery Chiaramonte.
204 Bas-relief, Battle of Amazonas (Sarcophagus).
205 Bas-relief, Bacchantes.
206 Statue of Meleager.
207 " " Apoxyomenos.
208 Sower, by Lysippus.
209 Mercury Cabinet.
210 Canova.
211 Roman Biga Discobolus.
212 Villa Cimabue, Wolksley.
213 Alarico and the Councils.

314 The Forum, Altar of Esculapio and Fontanelle or Well-head of Spring of Tuaturna.
215 Altar of Castor and Pollux, showing the Goddess Luciferia (or Juno) Bearing a Torch.
216 Temple of Vesta.
217 House of the Vestals.
218 House of the Vesta, Temple of Vesta, Temple of Vesta.
219 Rostra Julia in front of the Temple built by Augustus in honor of Julius Caesar, whose body was burned at this spot.
220 Shrine of Julius Caesar, the actual spot of the cremation of his body.
221 Arch of Severus, showing also the position of the Black Stone under the roof.
222 Black Stone over the supposed grave of Romulus.
223 Rostra (restored). The scene of Mark Antony’s oration over the body of Julius Caesar.
224 The Sculptures. Trajan making provision for Orphans.
225 Italy, with a child in her arms, representing receiving a ticket.
226 The Sculptures. Trajan remitting taxes, the records being burnt in his presence in the Forum itself.
227 Site of the Shrine of Venus Caelina. Near this Virginian slew his daughter.
228 The spot where Dominic’s colonial equestrian statue stood, close by the Curtian Lake.
229 Basilica Julia.
230 Temples of Saturn and Vespasian.
231 " and the Basilica of Constantine, from the Palatine Hill.
232 Basilica of Constantine.
233 " " " Basilica of Constanti.
234 " " " The Forum, Site of the Golden Mile Stone, marked by the cypress trees.
235 Temple of Antoninus and Faustina. Church of St. Lorenzo.
236 Newly excavated Church of St. Maria Antiqua, of the Fifth Century (buried for 1,500 years).
237 General View from Palatine.
238 On the Palatine, the Ancient Altar dedicated to the “Unknown God.”
239 The Stadium, first built by Domitian, restored by Hadrian, rebuilt by Septimius Severus.
240 Crypto-porticus connecting the Palace of Domitian with the House of Tiberius.
241 " " in which the Emperor Caligula was murdered.
242 Nymphium of the Palaces of Domitian.
243 Basilica of the Palace of Domitian.
244 Some Fragments of Sculpture.
245 The Forum, Royal Republic and Imperial Masonry on the Palatine.
246 " " Steps of Cacus.
247 Tomb of Cecilia Metella, on the Appian Way.
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250 " Ruins.
251 " " Ruins of the Meta or Winning-post.
252 The Coliseum, Substructure once used as Hospital.
253 One of the Entrances.
254 Interior, A Passage-way.
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256 The Remains of the Fountain of Oceanus.
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399 Pilgrimage Church near
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399 The landing-stage, showing chestnut trees
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384 Rome, Statue of David, in the Borghese Museum (Bernini)
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401 Grand Canal, from Balcony of Grand Hotel
402 On the Grand Canal
403 S. Mark’s
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405 The Lion of S. Mark’s
406 St. Maria del Salute
407 Hotel Daniele
408 A Wayside Crucifix
408 An Echo of the Renaissance in Italy. A discourse upon Sovereign Beauty

386 Rome: The Figure of the Arch-Angel Michael on the Tomb of Hadrian, Designed by Michael Angelo, 530 a.m. Gregory the Great believed he saw such a figure shining its Sword during the Great Plague and henceforward the Plague was stayed.

423 Rome: The Martyrdom of Stephen (Mariani) in Church of S. Lorenzo
424 Madonna and Child (Sassoferrato) in the Vatican
425 A Typical Procession of Canonisation at S. Peter’s, 1712
426 Roling the Statue of S. Peter in S. Peter’s on his Festival Day
427 The Absolution by the Cardinal Penitentiary on Holy Thursday
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429 The Obsequies of Pope Leo XIII. The Procession to the Temporal Tomb. The Dead Pope borne from the Chapel of the Blessed Sacrament (where he lay in state) to the Choir of the Julian Chapel
420 Portrait of Pope Pius X. (Cardinal Sarto), elected August 4th, 1903
421 Painting the Pope’s Portrait; His Holiness sitting to Mr. Thaddeus at the Vatican
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423 Venice, Doge’s Palace, distant view
424 Venice, S. Mark’s, Saints Day
425 Venice, Side Canal
426 The Madonna of S. Anthony of Padua, sold for £100,000
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2 Showing river
3 Como Cathedral, West Front
4 North side
5 " and Market
6 " old Clock Tower

Milan.
7 The Cathedral
8 Central Pinnacles, from the roof
9 Side pinnacles
10 Victor Emmanuel Arcade—Exterior
11 S. Maria della Grazia
12 Arch of Peace

Venice.
13 View on the Grand Canal
14 The Rialto
15 A side Canal
16 Arsenal and S. Maria della Salute from the Piazzeta
17 Santa Maria della Salute
18 General view with Gondola and Gondolier
19 Doge's Palace
20 Bridge of Sighs
21 Giant's Staircase, Doge's Palace
22 Courtyard of Doge's Palace
23 The Vine Angle, Doge's Palace
24 S. Mark's Cathedral, No. 1, Front view
25 " " 2, Side view
26 Piazzetta and the two Columns

Florence.
27 The Duomo from the roof of Palazzo Vecchio
28 The West front and Baptistry
29 The Campanile
30 Palazzo Vecchio
31 Loggia del Lanzi
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42 Cloisters, S. Giovanni in Laterano
43 Pyramid of Cestius and Ports S. Paolo
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48 Ruins of the Temple of Saturn
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50 Arch of Titus
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52 " " interior
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54 Temple of Vesta
55 Tomb of Cecilia Metella
56 A Monk guide to the Catacombs
57 Passage in the Catacombs of S. Callixtus
58 A domed chamber in the same
59 Early Christian Painting of "Summer" on the Ceiling
60 Tivoli and Waterfalls, general view
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62 One of the Tivoli Waterfalls
63 A Macaroni Factory, Tivoli
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Naples.
65 General view of Naples
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69 A Bit of Naples
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71 Cone of Vesuvius and 1873 lava
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73 The Funicular Railway
74 A Stream of molten Lava flowing, 1876
75 A steam jet near the Crater
76 The edge of the Crater
77 Pompeii—looking towards Vesuvius
78 The Forum
79 " " looking towards Castellammare
80 " " Arch near the Forum
81 " " Stepping Stones, Chariot Ruts and Street Fountains
82 " Flour Mills and Oven, Bakehouse
83 " The Amphitheatre
84 " House of Cornelius Rufus
85 " House of Marcus Lucretius
86 " A Mosaic Fountain
87 " Temple of Apollo
88 " Interior of the Hot Room in the Forum Baths
89 General view of Sorrento
90 Capri, the Marina, and the Road to Anacapri
91 On the Marina Capri
92 Postiano and the new road
93 Mt. S. Angelo from the new road between Sorrento and Amalfi
94 Amalfi
95 Cathedral at Amalfi
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97 The Basilica at Paestum

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4 " " The Harbour, showing the Ruins of the Hotel Trinacria, and how the sea has encroached.
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9 " " Borgo, showing villa residences.
10 " " The City from the Tower of the Benedictine Monastery, Mt. Etna in the distance.
11 " " Another view.
12 " " The Harbour. Steamers alongside the jetties.
13 " " The Harbour, with steamer "Alberta."
14 " " The Harbour. Unloading Vessels.
15 " " The Inner Harbour.
16 " " The Inner Harbour. Another view.
17 " " Circumetna and Sicula Railways.
18 " " Mt. Etna. Extinct Crater from Mt. Rossi.
19 " " Bridge over the Simeto.
20 " " Biscari Aqueduct and Footbridge over the Simeto River.
21 " " Aragona, looking North towards Caraci, showing orange groves.
22 " " Panorama of Regalbuto, with Etna in the distance.
23 " " View between Regalbuto and Agira, looking East towards Etna, showing Mountain Road.
24 Catania, Agira Town from the West, showing ruins of Saracen Castle on summit.
25 " " Agira Town from the West, showing Cathedral.
26 " " In the Cerami Valley. "Home- ward Bound."
27 " " The Old Saracen Bridge of Cerami.
28 " " Troina, High Troina. "The strong Greek City of Troina."
29 " " Landslide displacing Roadway at Rocca Fumata.
30 " " Lava Cutting on the Circumetna Railway at Bronte.
31 Palermo, from the Sea.
32 " " The Esplanade.
33 " " Entrance to Harbour and Monte Pellegrino from Hotel Trinacria.
34 " " Inside the Harbour, with Pelle- grino in the background.
35 " " The Inner Harbour. Mountains in the background.
36 " " The Inner Harbour, from the Sea.
37 " " Group of Passenger Steamers.
38 " " Old Market and Street Scene. "Washing Day."
39 " " Street Scene in Old Palermo. A family gathering.
40 " " Dolce Far Niente." Group of boys.
41 " " Cloisters of Mon. Peale.
42 Taormina, Garden Path and Winding Road from Railway Station to Town.
43 " " Mole from Taormina.
44 " " View from Theatre.
45 " " Ruins of the Theatre.
46 " " The Gardens.
47 " " The Fountain.
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49 " " Old Church Ruins.
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10. Lavone from the Lake.
12. Villa Clara, Baveno.
15. Isola Bella from the Shore.
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26. Lugano and St. Lorenzo Church.
27. Oseco Cart, Lugano.
28. Lugano from the Lake.
30. Fresco by Luini at Lugano.
31. Ostena, entrance to the Grotto.
32. Porlezza, the Landing Place, etc.
33. Menaggio, the town, and Lake Como.
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35. Bellagio, general view.

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6. Posillipo, from the Shore.
7. Strada di Piedigrotto.
8. Group of Women with Distaff.
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12. The Amphitheatre, Pozzuoli.
13. Entrance to the Theatre, Pozzuoli.
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5. St. Mark’s, the North-West.
6. The Bronze Horse of St. Mark’s.
7. Interior of St. Mark’s Cathedral.
8. The Roof Screen, St. Mark’s.
11. Ducal Palace, the Inner Piazza.
12. Tame Pigeons of St. Mark’s.
13. The Giant Stairs, Ducal Palace.
14. Ducal Palace, the Canal Font.
15. The Bridge o’ Sighs.

17. The Granata Columns of the Winged Lion of St. Mark’s.
18. The Riva degli Schiavoni.
19. Venetian Street, and leaning Tower.
21. The Arsenal, entrance.
24. Venice from St. Giorgio Campanile.
25. Eastern Venice from St. Giorgio.
27. The Grand Canal from the Bridge.

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120 Athens, The Acropolis, from Theseum
121 " " The Acropolis, Propylaea, W. Front
122 " " The Acropolis, Propylaea, W. Front
123 " " Temple of the Nike Apteros, E.
124 " " Parthenon, Int., looking E.
125 " " Parthenon, Int., looking W.
126 " " View of the Wall of Themistocles
127 " " View of the Pelasgic Wall
128 " " View from N.W.
129 " " View from the Olympion
130 Athens, The Caryatides
131 " " Caryatides
132 " " The Erechtheum
133 " " Erechtheum
134 " " Games (Olympic) in Stadium (modern)
135 " " Greek, from East Exterior, showing Sculptured figures
136 " " Greek Theatre, Interior showing Scasa
137 Athens, Monument of Lyssicrates
138 " " Temple of Nike
139 " " Temple of Olympia (Zeus)
140 " " Theatre of Dionysus
141 " " The Parthenon
142 " " Parthenon Columns fallen
143 " " Columns
144 " " Piranesi
145 " " Pyrrhic Dance Spectators
146 " " Tower of Winds
147 " " Disembarkment Temple
148 " " Corfu, From the Sea
149 " " View from Citadel
150 " " On the Quay
151 " " Corinth, Canal looking West
152 " " Temple
153 " " The Acrocrinths
154 " " Battlements
155 Corinth, The Acrocrinths, A Gateway
156 " " Ruins on the way to Eleusis (Salamis beyond)
157 " " Eleusis
158 " Roadside Well
159 " Eleusis, Propylaea
160 " Temple of the Mysteries
161 " Temple
162 " Temple
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- Monument of Philopappos
- The Acropolis from the South
- Theatre of Bacchus (Dionysus)
- View of Orchestra and Stage
- Monument of Lysikrates
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- Temple of Jupiter Olympus
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30 Inrush going Home.
31 Kasteria.
32 Our Escort.
33 Preparing to land at Opani.
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36 Leader of risegue, Zupanista.
37 Reference at Brussels.
38 Turkish church, Zupanista.
39 Captured by Turks.
40 Office of the Sultan.
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43 Ruined Church in Bulgaria.
44 Near Javata on the Lake.
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46 Trying to destroy the Albanian.
47 Woman at Buf lamenting murdered husband and children.
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49 A Bulgarian Brigade.
50 The Chest at Opani.
51 Saracina Station.
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48 Nestorian Wedding at Ardish, borders of Lake.
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50 Water carrying.
51 Ploughing (5-yoke), 2 yokes Buffaloes, 3 Oxen.
52 Butter-making in Goat-skin Churn.
53 Weaving, Wool on Hand, Spindle on Ground twisted.
54 Armenian Merchants and Wives escaped from Van during late Massacres.
55 Refugees from Massacres, principally Nestorian some are Armenians.
56 Orphans escaped from Massacres.
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58 Nestorian Girl Dressed like a Man.
59 English Missionary with his Teachers.
60 Two Young Ladies, Nestorian Teachers.
61 Ploughing with Buffaloes.
62 Nestorian Family.
63 Isphahan Khejshand.
64 Nestorian Native in Dress.

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44. "Kirmân, The First Mission
45. House
46. "Jewish Rabbis and Boys
47. "Parsi School
48. "Aujurman
49. "Maidan
50. "Soh, Unequally Yoked
51. "Treading out the Corn
52. "Carrying Corn
53. "Persian Family
54. "Yezd, View of
55. Street in [Family
56. "Mr. Gudary Mihrabian and
57. "Group of Paris
58. "Persian Doctor and three Convent" Boys
59. Camels in Caravanserai
60. Camels commencing a Day's March
61. Kirmân
62. Hospital
63. Kurpâ, near Isphahan
64. Piersopolis, Palace of Darius
65. "Xerxes' Porch.
66. "Ruins
67. "Nearing Shahrz
68. Siyâraz, Koran Gate
69. "Jewish Quarter
70. "Scene, near Bridge
71. "A Garden
72. Tombs of Cyrus
73. Salt Desert
74. Road Cut in Rock
75. "Yezd, Kirmân Road, A Caravanserai
76. Crossing River Sivand
77. A Kajâveh, with Passengers
78. Hasan, Travelling Servant
79. An Old Man Riding a Camel
80. Parsi Women and Mohammedan Woman
81. Women Washing Clothes
82. Ozen Treading out Millet
83. Laden Ox in Sand
84. Donkey Heavy Laden
85. Camels in Snow

XY

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1. Isle St. Honorat, The Castle Interior. Dating from the Fourth Century. Constantine's name is carved on one of the Pillars.
4. "The Oratory to be Used in Time of Siege. The large stones near the group of figures marks the entrance.
5. "The Subaltern's Guard Room in the Palace. Each subaltern of any artistic talent stationed in Malta contributes to the decoration of the walls. Every year the inferior ones are whitewashed.
6. "Phcenician Tombs. Date, 1500 B.C.
7. "Chapel in Fort St. Elmo. Discovered a few years ago. In the Knights of St. John took the last Sacrament before their last battle with the Turks (1565). Four hours after the ceremony they were all dead, "each man being slain in valiant fight."
8. Malta, Church of St. John. Under the two small silver plates in the corner hang the keys of the towns taken by the Knights of St. John from the Turks. During Napoleon's visit to the island the gates of the side chapel, which are of solid silver, were painted brown to look like wood.
12. "Fadett Houls. During the Napoleonic wars the women in Malta were so badly treated by Napoleon's soldiers that they resolved to hide their faces with these hoods for 100 years. The 100 years has now expired.
13. "Goats being Milked at the Doors.

"Shores of the Mediterranean," see page 438.

NOTE.—When ordering Slides the Telegraphic Code Letters should be quoted to avoid mistakes.
8 VI

THE SHORES OF THE MEDITERRANEAN.

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1. Algiers, Moorish Aqueduct.
2. Gibraltar in distance.
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6. Cyclopean Walls, general view, showing surrounding country.
8. Women as Beasts of Burden.
9. Cortu, Citadel at.
10. Garden of Villa of King of Greece, formerly home of English High Commissioner of Ionian Isles.
15. " from the River.
17. Heus, Ruins.
18. Background of Great Theatre at 8 Paul’s Prison (so-called) in distance.
20. Ruins of Church of Third Council.
22. Ancient Aqueduct. Storks’ nests on top of Pillars. (Century b.c.)
25. General View.
27. Cork Trees, hark stripped off.
28. Lagos, Principal Street.
30. Landing Place.
31. Landing on Beach.
32. Lemnos, a House.
33. Greek House.
34. Windmills.
35. Peasant Women.
36. Country People.

90 Gibraltar, War Vessel in Dry Dock (H.M.S. "Assistance").
91 Gibraltar, Gate showing Arms of Charles V. of Spain.
92 Pack Donkeys Drinking.
93 Gibraltar, Distant View, from Spanish Lines.
94 Church El Linea.
95 Cape St. Vincent.

GRAND CANARY.

96 Las Palmas, Street showing Portion of the Cathedral.
97 Las Palmas, View of Port.
98 Steam Tram, Main Road into.

MADEIRA.

100 Madera, Public Square.
101 Bullock Carro.

102 Madeira, Running Carro.

103 Madeira, Bullock Sledges Conveying Tub.

MOROCCO.

104 Casablanca, Outside the Walls.
105 Mogador, South Gate.
106 Water Gate.
107 Water Gate, low.
108 Grain Market.

109 Mogador, Camel Conveying Firewood into.
110 Party in Desert.
111 Tangier, Landing Cargo.
112 The Six (Market-place).
113 Jews’ Quarter.

114 Tangier, Street.
115 Loading Cargo, Morocco Coast.
116 Moorish Deck Passenger, Morocco Coast.
117
118 Tenerife Harbour, with Spanish Gunboat.
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6 Carthage. Interior of the Reservoirs
7 Chabert Pass. Atlas Mountains
8 Constantine. Harbour in Rhummel and the Tanners' Quarters
9 Constantine. Gorges of the Rummel
10 Bridge of El Kantara
11 Constantine. Rock of Martyrs
12 Hamman Meknouthine. Hot Water Cascade
13 Harissa Mamouline. An Arab Marriage
14 Kabyle Tent
15 Tebesa. Temple
16 General View of the Basilica
17 Caracala Gate
18 Court of Tails
19 Thamugas. Roman Ruins. The Theatre
20 View of a Triumphal Arch
21 Tunis. Place Bab-Souika and Mosque Sidi Mahres
22 Place Halfouaine
23 Street in
24 Tangiers from the Sea
25 Tangiers. Tuelloch Memorial Hospital. Sunday Morning Service
26 Moorish House, Courtyard
27 " " Interior
28 Tetuan Woman
29 Girl in her dress
30 Girl dressed for a Feast
31 The Sultan's Palace
32 Treasury House
33 Custom House
34 Entrance to Mosque
35 Cobbler's Hut
36 Moorish Procession
37 Woman with Baby in Cradle
38 Portrait of a Moor
39 Moorish Boy
40 At Prayer
41 Snake charming
42 Water Carrier
43 Minaret 1.
44 " II.
45 Moorish Soldier and Hut
46 Women with Water Jars
47 Moorish Woman
48 Moorish Religious Festival
49 Roofing
50 Water Fountain
51 View from Kasbah
52 Mother and Child
53 Moorish Pottery
54 Spotted Caves
55 Moorish Powder Play
56 Market-day
57 Negro Slave Lad
58 Street Scene
59 Algiers, Arabesque House
60 Algiers, Arab Drivers and Donkeys
61 Port and Town of
62 Quarry of the Custom House
63 Narrow Street with Steps
64 Interior of Moorish Apartments; Ladies' Costume
65 Chief Mustapha's Palace
66 Government Palace, Interior of Courtyard
67 Museum Courtyard
68 Cemetery of Mosq. of Aider-Rahman
69 Garden of Specimen Plants
70 Garden of Palms
71 Bldlah, the Arab Cemetery
72 Old Arab Women—Dress
73 Negro Man-servants
74 Tlemcen. Interior of the Mosque of Sidi Bou Medine
75 Arab Cemetery of Mosque of Sidi Bou Medine
76 Women's Private Apartments
77 Moorish Beauty, Head-dress
78 Ancient Street
79 Moorish Musicians
80 Mountain Gorges of Chiffa
81 Oran, the Harbour
82 View from Ancient City
83 Archbishop's Palace, Interior
84 An Arch
85 Arab Inn
86 Bazaar and Shopkeeper
87 Camels. Loadad
88 Courtyard of the Djama a El Kebir Mosque
89 Moorish Villa, Exterior
90 Mosque and Place of Government
91 Tlemcen, Lower Soko
92 Moorish Well
93 Water Seller
94 The Sultan's Palace
95 Walls of Throne Room
96 Upper Soko
97 A Negro
98 Negresses
99 Cape Sparteal
100 The Boucch
101 A Jewish Lad
102 The Province of Lawlessness in Morocco. An Execution before the Sultan
103 Rebellion in Morocco. A Night Surprise of an Enencampment of the Sultan's Troops
104 The Sultan's Operations against the Rebels
105 Street in Old Algiers
106 " with Steps. Some of these Streets are said to have as many as 500 steps.
107 " with Steps, nearing the top.
108 " Gorges de la Chiffra, Entrance.
110 " Road by a Ravine.
111 Gorges de la Chiffra, View showing Geological Formation.
112 " Two little Arab Mites.
113 " A Wayside Inn
114 Collbira, Arabs and French Children.
116 Kabyles, near Fort National.
116 Kabyle Children (Fort National in distance).
117 Upper Kabyla.
118 " A Kabyle Dwelling.
119 " Michele.
120 Arab Woman, Washing, Perrejaux.
121 Oasis of Ain Sefra.
122 " The Town.
123 Ain Sefra, Interior of the Arab Town.
124 " Sahara Sand.
125 " Entrance into.
126 A Negro Village near Ain Sefra.
127 Oasis of Beni Ounif.
128 Beni Ounif, Mosque.
129 " Discussing the News.
130 " Sahara Types.
131 " Natives.
132 " Frightened Children.
133 " Girl Washing Clothes.
134 " Pouring Water for Irrigation.
136 " Irrigated Gardens.
137 " Camels.
138 Oasis of Figuig.
139 " The Entrance.
140 " The Entrance, with Group of Donkeys.
141 " Mud Tower for Guarding a Garden
142 Bedouin and his three Wives.
143 Mudhouses of the Sahara.
144 Outside the Walls of Ouadida.
145 Oudjda, Moors.
146 " The Market Place.
147 "
148 " Tlemcen, Arab Cemetery.
149 " Cascade of El Ourit, with showing Bridge.
150 " Djama el Kebir Mosque, Int.
151 " Sidi Bou Medin, the Mirab.
152 " The Koubba Sidi Bou Medin.
153 " Arab House, Int. with Group of Children.
154 " Two Arab Women.
155 " Arab Child.

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11 " Struck by Lightning - 300
12 " on Fire
13 " escape on Raft
14 Gibraltar, Moonlight
15 " Daylight
16 " General
17 " from Europa point
18 " from Spanish shore
19 Siege of
20 Malta, General View
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23 " St. Paul destroys the Viper
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24 " H.M.S. Inflexible
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28 Flying-Fish at Sea
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31 " Egypt, Soudan and Red
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33 " Great Square
34 " Blind Leading Blind
35 " College of Musicians
36 Cleopatra's Needle, London
37 Obelisk of On, Heliopolis
38 of Constantine
39 " of Luxor at Paris
40 " of Alexandria at N.York
41 " front of St. Peter's at Rome
42 Pompey's Pillar
43 Rosetta Stone
45 " Inscription
45 Cartouches " Ptolemy II., " Cleopatra, " and " Berenice, " with translations
46 Boullak, Statue of Chephren, the Builder of the Pyramid
47 Wooden Statue of Pharaoh
48 Mummy of Thothmes III. Hole through which the Scarab was stolen
49 Cairo, A Street
49A " Street, Native Quarters
50 " The Citadel
51 " Pyramids, Building of
52 " Entrance to the Int.
53 " The Road leading to
54 " The Great Pyramid
55 " Int. of Great Pyramid
56 " The Two Pyramids
57 " Sphinx and Pyramid, day
58 " Sphinx and Pyramid, night
59 " The Sphinx, near View
59A " The Sphinx
59B " Temple of the Sphinx
60 " Pyramids of Chephren
61 " Pyramid of Sakkarah
62 " Pyramids of Gizeh
63 " Pyramids, Visitors going up
64 " coming down
65 " Obelisk in the World
66 " Mosque
67 " Mosque and Tomb of Kait
68 " Tomb of Caliphs
69 " Tomb of Mohammed Ali
71 " Tombs, Mamleke Sultans
71 Cairo, Hour of Prayer in Desert
72 " Gizeh Palace, Exterior
73 " Esbekiyeh Gardens
74 " " Bazaar at Gizeh
75 " Shops in Street Attar
76 " Street Water Carrier
77 " Eastern Water Carriers
78 " Arab School
79 " Arab Woman and Child
80 " Egyptian Lady
81 " Native Woman & Donkey
82 " Whirling Desert
83 " Dromedary with Despot's
84 " Armed Egyptian Service and Dromedaries
85 " " Running Footmen (Syces)
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87 " Scene in the Desert
88 " Caravan of Moslem Pilgrims
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90 Nile, Map of
91 " First Cataract
92 " Second Cataract, with Steamers
93 " Boat-building
94 " Boat landing Passengers
95 " Shadoof on the Banks
96 " Steamers
97 " Water-raising Wheel
98 " Oxen Treading out Corn
99 " Aydah Sculptures, Pale
100 " Dendera, Great Temple
101 " Interior of Temple
102 " Sculpture, Cleopatra's Isis
103 " Specimen of Papyrus Writing
104 " Thbes, Medinet Aboo
105 " " Palace of Rameses III.
106 " Rameses, Caryatides
107 " Great Statue of Rameses
108 " Rameses Restored
109 " Memphis Statues
110 " " Moonlight
111 " " Lace
112 " Mummy and Case
113 " Deir-el-Bahari, the scene of the discoveries by Dr. Emil Brugsch
114 Head from Sarcoptaphus of King Seti, Father of Rameses II., found at Der-el-Bahri
115 Mummy uncovered of Seti I.
116 Coffin of King Rameses II. and King Amoris, opened to show Mummy found at Der-el-Bahri
117 " Head of King Rameses II. the Pharaoeh of the Oppression, from uncovered Mummy
118 Facsimile of Babylonian brick, bearing the name of Nebuchadnezzar, with copy of inscription
119 Statue of Lieutenant of Osorion II.
120 " Pharaoh Record [Pharaoh]
121 " Head of Apepi (Joseph's"
122 " Hieroglyphics
123 " Judgment Hall of Osiris
124 " Marriage between of Amonophis and Thuy, whose daughter Tuwas mother of Rameses II.
125 " King Rameses II. and his Sons going to Battle
126 " King Rameses II. Triumphant Procession
127 " Conveying a Statue
128 " Cast of Head of Monophtah II.
129 " Enoch, Palm-leaf Pillars
130 " Edoo, Tinder, Sculpture (Coronation)
131 Luxor, General View
132 " Temple
133 " Group of Palm trees
134 " Shadoof
135 Karnac, Great Temple, leaning Pillar. General view
136 " Corridor showing leaning Column
137 " Remains of the Osiride Pillars
138 " Avenue of Sphinxes
139 " Propylon of Temple
140 " Hall of Columns and two Obelisks of Thothmes III.
141 Judah Melek Khalil, enlarged from wall of Court of Sheshonk
142 South wall of Court of Shi-shak, recording Captivity of the Kings of Judah
143 Philae, General View of Ruins
144 " Prison of Temple
145 " Osiride Pillars
146 " Colonnade
147 " Court, Dec., 1902
149 Grand Temple, Sandbank
150 " Colossus of Amenophis
151 Idols of Ancient Egypt
152 Red Sea, Encampment
153 Suez, Map Canal
154 " Canal—Ferry at Kantara
155 " Canal and Boat
156 " Port Said, Mouth of Canal
157 " Entrance of Canal
158 " General, and Railway
159 " Alexandria, Palace of the Khedive
160 Khedive Abbas
161 The Upper Valley from Sphinx looking E.

The following are from direct negatives by Miss Hunter:—
162 Abu Simbel
163 Ashbara
164 Bargaage
165 Bulen Station
166 Khartoum Palace
167 " Blue Nile
168 " Door, where Gen. Gordon was murdered
169 " Gordon's Garden
170 " View from Palace
171 " Ruins
172 " Widows from Battle leaving
173 Khalifat, the White Nile
174 Luxor Temple
175 " Entrance of Canal
176 " Thames
177 " Natives
178 " Madras Tomb
179 " Omdurman
180 " Street
181 " Square
182 " Market
183 " " Khalfat House
184 " Square, Khalifat
185 " Prisoners
186 " Camels
187 " Sachi
188 " Tonti Island, near Khartoum
EGYPT—Continued.

228 Saids, Group of, at Country House.
229 Sculpture in Temple of Ammon.
230 Arab Sheik on Horseback.
231 Sakeyeb, Group at a Full Table.
232 Thebes, The Colossi.
233 " Digging for Mummies.
234 " in the Western Valley.
235 " Tombs of Kings, 18th Dynasty.
236 " Interior of Tomb of Sen-nefer, Priest of 18th Dynasty, called the New Tomb.
237 " do. do.
238 " do. Wall painting.
239 " do. do. Wall painting in do.
240 " Tomb of Royal Scribe of Granaries, Int.
241 Assouan. Granite Quarry, unfinished Statue of Ramses II.
242 H.M.S. Caliph at Port Said.
243 Deck of Egyptian Steamer with Cable (Deck).
244 S.S. Coptic lying in the Albert Dock.
245 " Said " Dragoman and Water Girls.
246 Assouan. At the time of the Opening of the Dam.
247 Leaving Alexandria (Ship in do.).
248 Cairo, General View.
249 Cairo, The Citadel.
250 Cairo, A String of Camels on the Road from Cairo to the Pyramids.
251 Camels and Boys at the Pyramids.
252 Karnak, Temple.
253 Kom Ombo Temple.
254 Khartoum, "The Last of Khalifa."
255 Luxor, The Ramesseum.
256 Temple of Medinet Habu.
257 Memphis, General View.
258 " Statue of Ramses II.
259 Port Said.
260 Pyramid and Sphinx.
261 Sphinx by Sunset.
262 Sief - Pyramid, Sakkara, General View.
263 Tourist visiting Egyptian Temples.
264 Water Wheel (Zakeer).
265 A Water Wheel near the Virgin's Tree.
266 Women carrying Waterpots.
267 Water Carrier.
268 Native Donkey Boy.
269 Indian Snake Charmer.
270 A Nile Steamer.
271 A Captain of a Nile Steamer.
272 Native Boats on the Nile (Gyassas).
273 " " " " " " "
274 " " " " " " "
275 " " " " " " "
276 " " " " " " "
277 Bedouins in the Desert.
278 Bedouin's Camel.
279 Camels Crossing a Bridge.
280 Ramesses and his Lion. A Pageant of Ancient Egypt (R. Caton Woodville).

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For Lantern Slides of Gordon and Khartoum, see page 237.

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2. General view of Deir-el-Bahari from S.E.
3. Tramway, two lines lowest line on lower platform looking towards the Temple.
4. Upper platform. Central Court being cleared.
5. Central Court from within Pylon.
7. General view of the upper platform from N.E.
8. Middle platform. South end, Punt expedition.
9. Colonnade at North end being cleared.
10. Hawks on South boundary wall.
11. North side. The Queen and Amon, supported by goddesses. Parallel scene to that in Chapel of Amenhotep III. at Luxor.
15. After Excavations showing causeway after excavations, looking S.W.
16. Looking down Birth Terrace from South to North.
17. Showing end of Birth Terrace and Colonnated Hall, looking north.
18. General View showing Colonnated Hall.
19. Northern Colonnade & Colonnated Hall.
20. Northern Colonnade from Causeway.
21. Showing one of the unfinished Chapels from Northern Colonnade.
22. Northern Colonnade. Clearing the East end.
24. Moving a piece of architrave.
25. Hypostyle Hall at North end of middle platform, Chapel at the end.
27. Thothmes III. offering wine to Colonnade (Sokaris.
29. General View of Halls and Temple from South part of valley.

60. General View of Temple and House from S.E.
61. Temples from South-east at the end of season 1894-95.
62. Temple from South-east at end of season, 1894-95.
63. Altar seen from the entrance into the Court.
64. Altar from the West showing the inclined (after restoration).
65. Funerary Chapel of Thothmes I., portrait of the king at the end of the Chapel of Thothmes I.
66. Thothmes III. Northern Hall of offerings.
67. Ahmes, Mother of Hatasu, led by Khnum and Heket.
68. Coffin of the priest Mentu-ka-men-khet-Amon (XXIInd dynasty) now in London.
69. Sheikh abd-el-Gournah.

Excavations at Tanis.

63. Boy and Pot.
64. Across Sanctuary.
65. Temple and Pylon from Prof. Petrie's house.
67. Pylon after a storm.
68. Broken obelisks after a storm.
69. Excavations of South side of Temple.
70. Head of Amenemhat I.
71. Base of Amenemhat I.
72. Sebekhotep III. usurped by Rameses II.
73. Mursamashu, with Apepi's inscription.
74. Apepi's inscription on Mursamashu.
75. XIIth Dynasty Obelisk usurped by Rameses II.
76. Base of Statue of Mother of Rameses II.
77. Pink granite Head of Rameses I.
78. Sandstone Shrine of Rameses II.
79. Merenptah II. Rose granite.
80. Staircase to Great Well.
81. Bakakhulu's jars and blue glazed vases.
82. Cellar of Bakakhulu where papyri were found.
83. Pottery from Zuwellin with ichneumon's bones.
84. Carrying the Harvest.
85. Trees of great Colossus.
86. Waiting to begin work.

Excavations at Tel-el-Mashkuta.

87. Chamber of the bronze isitue, Tel-el-Mashkuta.
88. Block with unknown letters.
89. Fragments.
90. Blocks in M. Naville's diggings.
91. The trial of Tel-el-Mashkuta.
92. M. Naville's diggings, Tel-el-Mashkuta.
93. Road near Pithom.
94. Chamber, Tel-el-Mashkuta.
95. Chambers.
96. Truad.

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| 2 | Assur-natir-pal enthroned between attendants |
| 3 | Winged figure with stag and branch of flowers |
| 4 | Lion Hunt |
| 5 | Procession of Chariots, Battle without the walls | of the City, B.C. 880 |
| 6 | Siege of a City on a river, and reception by Sennacherib of prisoners and spoil. (From the Great Hall of Palace, Nineveh) |
| 7 | Head of winged man-headed Bull. (Reign of Esarhaddon, B.C. 690) |
| 8 | Monolith of Samsi-Romanus (son of Thalmanesar II. Nimroud) |
| 9 | Foreigners bringing tribute, No. 1 |
| 10 | No. 2 |
| 11 | The last stand of Tukulti-ninurta, King of Elam and Tamritu his son (the beheading of them) |
| 12 | The torture of the Elamite Enemies |
| 13 | The City Medakku, procession of Captives, No. 1 |
| 14 | No. 2 |
| 15 | Urman-igas, the new King of Elam, being led forward to receive the homage of his subjects |
| 16 | The attack on the City, No. 1 |
| 17 | No. 2 |

## TD

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| 2 | Bakur, Caspian Sea, Petroleum Wells |
| 3 | Oil Well on Fire (Struck by lightning) |
| 4 | Fire Temple |
| 5 | Bokhara, Turkestan |
| 6 | " | Bazaar |
| 7 | " | Pool |
| 8 | Camus Ashabad, Central Asia |
| 9 | Casausus. Ossetani Villages in the 10 | Central Asiatic Scenery |
| 11 | Carpathian Mountains, King of Roumania's Palace |
| 12 | Kara Kum Desert, Central Asia |
| 13 | Main Gateway of Ancient Merv |
| 14 | Makhet. General View of Cathedral, Georgia |
| 15 | Mount Ararat |
| 16 | " | 17 | Mount Elburs. Caucasus |
| 18 | Samarkand, Turkestan |
| 19 | " | Market |
| 20 | " | Story-teller |
| 21 | " | The Great Square |
| 22 | " | |
| 23 | Samarkand, Turkistan, Tomb of Tamerlane |
| 24 | " | Palace of Timur Lang |
| 25 | Tiflis, Georgian Costumes |
| 26 | Askabad, Market |
| 27 | Bokhara, Amir's Palace |
| 28 | Caravans outside Samarkand |
| 29 | Evvan Mosque |
| 30 | " | At Askabad |
| 31 | " | At the Ichcharji, Turkestan |
| 32 | Madrasse in Samarkand |
| 33 | Registan in Samarkand, No. 1 |
| 34 | No. 2 |
| 35 | No. 3 |
| 36 | " | No. 4 |
| 37 | " | The Oxus River |
| 38 | Wooden Bridge across |
| 39 | Persians at Krasnovodsk |
| 40 | Shir Dar Minaret |
| 41 | Tchauz, or Bazaai, Samarkand |
| 42 | Transcaspian Railway Carriage |
| 43 | Ulno Bey, Samarkand |
| 44 | Outside Samarkand |

## MH

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| 19 | " | St. Sophia Cathedral |

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INA.

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2. Agra, the Fort, Delhi Gate
3. Durbar Khans from top of Motee Musjid near view
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NEWTON & CO., Opticians to the Royal Family,

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WH TRAVELS IN THE EAST WITH A HAND CAMERA.
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10 Street, with distant view of hill in the Imperial Palace Grounds.
11 Hatman Gate, showing the train passing through.
12 Hatman Gate, the Courtyard.
13 Hatman Gate, outside the.
14 Marble Pagoda in Yellow Temple.
15 Ruins of Students' Cells at the Great Examination Hall.

JAPAN.

26 Kioto, Rare Damascene Work.
27 Kobe, Tea House.
28 Kayasan, Great Avenue of Cryptonferias, Imperial Tombs, No. 1.
29 Great Avenue of Cryptonferias, Imperial Tombs, No. 2.
30 Yamato, Old Imperial Tombs at the Monastery.
31 Shinto Shrine.
32 Kayasan, Temple Gardens.
33 Bell Tower.
34 Kayasan, Monastery School.
35 Valley.
34 Kayasan, Distant View, No. 1.
35 Nikko, Tea House.
36 Nittiro, Temple Steps.
37 Scenery, No. 1.
38 No. 2.
39 Osaka, A Funeral, No. 1.
40 No. 2.
41 Tajoi, The Rapids.
42 Tokio, Olakusa Park.
43 Tokio, In the Tea House Gardens.
44 Famous Wisteria Tea House.
44 Tokio, Trying to Sketch.
45 Nikko, Bell Tower.
46 Tokio, Great Moat round Castle.
48 Principal Bridge Across the Great Moat.
47 Bamboo Yard.

KOREA.

76 Chemulpo, Landing at.
77 Dye Washers.
77 Seoul, Street Scene.

RUSSIA, SIBERIA, AND MANCHURIA.

62 Gensan, Fish Market.
63 Harbine, The Bund.
64 Harbine, Mud Barracks.
65 Irkutsk, Scenery near.
64 Market.
67 Crossing Lake Baikal.
67 Manchuria, Emigrants Sleeping on the Platform Station.
68 Siberia, Zlatonost.
69 Siberian Railway Station.
80 Water Tower at every Station on the Line.
81 Market.
81 A Korean.
82 Siberian Railway, Buying Melons at the Station.
91 Moscow, The Kremlin.
93 Moscow, View from the Kremlin.
93 Great Square in Front of the Kremlin.
94 Cathedral of St. Michael.
95 St. Saviour.
96 Vladivostock, Station.
97 Harbour Scene.
98 Sailors' Market.
99 The "Baikal" Steaming into Harbour.
100 The "Baikal" Steaming into Harbour, near view.
TRAVELS IN THE EAST WITH A HAND CAMERA—Continued.

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101 Calcutta, Farm in the Jungle.
102 " Sweetmeet Seller.
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104 Kandy, Peredyura Gardens.
105 " Elephants being Scrubbed in the River.
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107 " Girl.
108 Carriage of a Wealthy Madras Merchant.

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10 Burmese Nun
11 Tin Mine
12 Tamil Chetty (money lender)
13 Chinese Cook buying a Fowl
14 Coconaut Trees with a Man gathering Fruit
15 Malaysian Fruit
16 Malay Cake Seller

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8 Muscat, View in 9 Street Scene in Linga
10 European Cemetery at Muscat
11 Eastern Telegraph Co.’s Station at Jask
12 Scene in Karun River
13 Turkish Coffee House, Busrarah
14 Turkish House used as Hospital, Busrarah
15 Chief Lagan Baloonbies
16 Charman Bazaar, Afghan Frontier
17 Afghans in Market at Quetta

18 Brahmis Mastung, Kalat State, Baluchistan
19 Brahmis at Dadar " " "
20 Marvi Baloonchis
21 " Veiled Woman, Afghan
22 Brahuni Encampment
24 Baloonchi Huts
25 Boat made of Stalks of Date Palm
26 Group of Baloonchi Women and Children
27 Old Fort at Kahan
28 Mahomedan Tomb, Dadar
29 Taking in Cargo at Tarsi
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8 Whampoa, Pachoo Pagoda, nine storeys in height
9 Foochow Pagoda
10 Lung-Iwa Pagoda, Shanghai
11 Kau-Ding Pagoda
12 Pal-lchow Pagoda, Peking
13 Canton, Foreign Settlement
14 Steam-boat Wharf, the "Kii-shan"
15 Chinese Drawing-room
16 Native Gentleman of Canton
17 Native Lady of Canton
18 Cantonese method of wearing the Hair
19 Mandarin's Visit of Ceremony
20 Wife
21 Temple of 500 Gods
22 Buddhist representation of Hell, Offerings to the Dead
23 A Feast of Lanterns
24 Dr. Morrison entertaining Visitors
25 Swatow, general view
26 Amoy, Itinerant Doctor
27 Foochow, Foreign Settlement, &c.
28 Women Picking, Sorting, and Preparing
29 Chusan, the Sacred Island of Poo-too
30 Exterior of a Temple, Poo-too
31 Buddhist Priests
32 Shanghai, the Bund
33 The English Cathedral
34 The Public Tea Gardens
35 A Family Group
36 Woman
37 Chinenam with Bamboo Jacket, Summer
38 Chinenam in Fur Robes, Winter Suit
39 Peasantry with Rain Coats
40 Mandarin carried through the Settlement
41 Canton, Wheelbarrow, two Female Passengers
42 Chinese Sampam, or Passenger Boat
43 Bridal Procession
44 Chinese Fortune-teller
45 Needlewoman, Carpenter, and Horseboy
46 Barber dressing man's hair in the street
47 Travelling Vender of Cakes
48 Cotton-Weaving Loom at work
49 Chinese Musicians and Instruments
50 Blind Beggars
51 Blind Beggar
52 Chinese Musician
53 Ploughing with Buffalo
54 Opium Smoking in an Opium Den
55 Court of Justice: Trial taking place
56 Punishment of the Cangue on Prisoners
57 Capital Punishment, Execution Ground
58 Peking, Street in the City of
59 Shop front elaborately carved
60 Entrance to the Kwo-tsz Chien, or National College, where the Emperor annually expounds the Classics
61 West Entrance to the Ta-Kow Tien, where the Emperor worships Shangti
62 Temple of Heaven
63 Burning the Imperial Sacrifices in the Grounds of the Altar of Heaven
64 White Marble Pagoda, Llama Temple
65 Llama Temple
66 Bronze Cow in the Grounds of the Emperor's Summer Palace
67 Great Wall of China, 7s. 6d.
68 Amoy, Ladies and Child

China.

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88 Amoy, Front View of a merchant's house
89 Harbour
90 Changpoo, West Gate
91 North Gate, looking from within the City
92 South Gate
93 Small Shrine by the wall
94 Front of the Women's Temple
95 Bridge near
96 Just outside
97 Wooden bridge across stream outside
98 Civil Mandarin and Family. (The most important magistrate of the City)
100 Wife of Mandarin
101 Mandarin, the same as sat on the Ku-cheng Massacre Commission
102 Husking Rice in Hospital
103 A group of Chinese Soldiers photographed in Mission Compound
104 Workmen who made the last additions to Changpoo girls' school
105 A group of native preachers with the Changpoo pastor and Mr. Tandeman
106 Buddhist Temple in Ruins, large bell to the left, Buddha to the right, behind Changpoo Hospital
107 Ressing Place in the middle of the pass on the way to Changpoo
108 Burial Scene, near Changpoo
109 Ko-tin, a fishing village six miles from Changpoo
110 Pi-aw on the way to Eng-chun
111 Chinese Pastor and his Wife
112 Chinese Servants in the employ of missionaries
113 An old man who became a Christian after the age of 80
114 Chapel keeper drawing water
115 Mission Compound
116 Mission Compound
117 Dr. Hordie and Students
118 Students in the Dispensary
119 Medical camp
120 Two Chinese Students of Engineering from Foochow
121 Chinese official in front of a Japanese Screen
122 A group of Chinese ladies
123 Girls dressing their hair
124 A Chinese Barber
125 Chinese Musician
CHINA—Continued.

136 Two native girls writing at a table
137 Chinese Artist
138 An umbrella mender
139 A group of litterati
138 Coolie in Chinese raincoat
139 A Stone Mason
130 A Chinese Cobbler
133 Wool carding
134 A group of Chinese Archers
135 Cutting false nails for fine wood
136 Chinese Punch and Judy Play
137 Rice pounding
138 Market-place with coffins for sale underneath the booth to the right
139 Harvest fields (rice)
140 Chinese village with rice fields in front
141 A Chinese village
142 Circular Village Fort
143 Lime-kilns
144 Water Wheels
145 Mandarin with retinue about to leave after an afternoon call
146 Young Mandarin on horseback
147 Mandarin’s wife with two daughters
148 Salt Mandarin
149 A Mandarin’s son and three friends
150 A large mansion, the house of a rich Chinaman on Kologon
151 Village Family, Three generations
152 On the way home

153 Peking, City, General View
154 Wall from Hs-Tai-Min
155 Summer Palace
156 Imperial Palace, Hall of Audience
157 Imperial Palace, one of the Audience Chambers with the Throne
158 Imperial Palace, Emperor’s Library
159 Imperial Palace, Emperor’s Bedroom
160 Imperial Palace, Mathematical Instruments
161 Imperial Palace, Mathematical Instruments
162 Lu Kow Bridge
163 Front of Northern Cathedral after the Relief of the Legations, showing effects of Bombardment
164 Hill and Pavilions built by the Emperor at the back of the Imperial Palace, to keep off the Evil Spirits
165 Pavilions of the Imperial Palace, showing the Moat

166 Peking, Temple of Heaven
167 “Altar of Heaven
168 Tai Ho Men, The Forbidden City
169 Sailing Sledges on the Grand Canal
170 A Chinese Family in a Sampam
171 Chinese Family in Garden
172 “at dinner
173 Chinese Gentleman Smoking
174 The only three Messengers who got through the Chinese Lines
175 Group of Chinese Graves, in Horseshoe
176 A Group of Peddlers with Tools
177 An Ox gristling in a Field
178 Two Chinese Idols in Temple of Buddha
179 First flight of Steps at the Uncovered Altar at Temple of Heaven
180 Buddhist Prayer Wheel
181 Chinese Garden Party
182 Rare Show at Lin-tin-Chow
183 Winter in China, A Chinese Rest House
184 Chang Ch’ing Fung (Portrait) A distinguished Chinese Vicerecy
185 Lin Kwen Yi
186 A Chinese Official, A Mandarin of Amoy
187 A Chinese Crowd
188 Skeleton of a Chinese Foot, showing distortion caused by binding
189 Black Sable Trapping in North China and Sachalin

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191 Canton, A street
192 Great Temple at Honan
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194 Nanking, Powder Tower
195 Peking, Palace at Quen-min Yuen, Hall of Audience
196 Peking, Western Gate
197 Tartary, Great Temple, Zee-ho
198 Foot of the Two Kings’ Peaks
199 Pavilion and Gardens of a Mandarin
200 Dinner Party at a Mandarin’s House
201 Showroom of a Lantern Merchant at Peking
202 Cat Merchants and Tea Dealers at Dong Chow
203 An Itinerant Barber
204 Playing at Shuttlecock with the Feet
205 Opium Smokers
206 Punishment of the Bastinado

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4 Joseph’s Dream—The sheaves bow down before his sheaf
5 Joseph’s brethren put him down and sell him
6 Joseph in the prison house. The outer door; the keys entrusted to Joseph; the Butler’s and Baker’s dreams interpreted by Joseph
7 Joseph before Pharaoh, “Interpreting the dream”
8 Joseph giving corn to his brethren

9 Jacob comes to Egypt with all his house
10 Joseph feasting his brethren

New Testament
11 The Lost Son—“Seeking”
12 “Finding”
13 The Prodigal Son—“He divided unto them his living,” N.B.—The middleman dividing the dollars. Servants bringing out the goods. The father in the background looking on
14 The Prodigal Son—“He went into a far country” (An opium and gambling den)
15 The Prodigal Son—“He sent him into his fields to feed swine”
16 The Prodigal Son—“He arose and came unto his father”
17 The Prodigal Son—“This my son was lost, and is found”
18 The Importunate Widow. The Mandarin feasting in the Yemen. The Widow trying to beat the gong at the door to gain admittance. Servants seeking to drive her away
19 The Importunate Widow.—To gain a hearing, she presents her petition in the public street when the Mandarin is passing in his chair, and the people in the shops are looking on
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17 A round—Village Fort  
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20 General view  
21 Shop front elaborately carved  
22 Entrance to National College  
23 Temple of Heaven, exterior  
24 Tientsin, German Club  
25 Shanghai, English Cathedral, exterior  
26 Mandarin carried through the Foreign Settlement  
27 Lung River Pagoda  
28 Buddhist Temple, exterior  
29 Tientsin, Foreign Settlement  
30 A picturesque village in the mountains, N. China  
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32 Punishment of the Cangue on prisoners  
33 Canton, Scene on the Wunham River  
34 Ting Yang Monastery, the guardians of the gate  
35 Changpoo, Front of the Yemen  
36 Reading an Imperial Edict from the steps of the Yemen  
37 West Gate  
38 A large mansion, the home of a rich Chinaman at Kolongen  
39 A Mandarin with retinue leaving an afternoon call  
40 Wife of a Mandarin  
41 A young Mandarin on horseback  
42 A native pastor, wife, and daughter  
43 Changpoo, Mission compound  
44 Changpoo, Group of Chinese soldiers with scythes and tridents  
45 Missionary and group of native preachers  
46 Chinese servants in the employ of a missionary  
47 Two girls learning to write  
48 Native Chapel-keeper drawing water  
49 Mission boat  
50 Dr. Hordle and native students  
51 Students in dispensary  
52 Two Chinese students of engineering from Foochow  
53 A group of Chinese literati  
54 Amoy Harbour  
55 Swatow Gunboat Station  
56 Cossacks, Chinese and Russia-Russian Frontier  
57 Canton, Buddhist Idol  
58 Foochow, Chinese luncheon  
59 A Chinese Mandarin and his wife and family  
60 Li Hung Chang leaving Canton for Peking  
61 The International Guard at the English Legation, Peking  
62 A Russian Government post in the Trans-Balkal forty below zero  
63 A Japanese Infantryman  
64 A Boxer  
65 The Boxers' Propaganda; The Chinese Punjub and India as an anti-foreign instrument  
66 Tartar Soldiers destroying villages round Tientsin  
67 French Colonial contingents at Shanghai  
68 Attack on the train at Langfang  
69 A Chinese barber's shop  
70 A Bengal Cavalry Patrol escorting a "Boxer" prisoner  
71 An Imperial cortège on the road  
72 Charge of the Japanese Cavalry among the Bamboos outside Tientsin  
73 Fighting on the Ramps  
74 The Sikhs on the road to Peking  
75 The Allied Fleets in Chinese Waters. An experiment to test the sustaining power of Andrée's Balloon  
76 German troops cheering a charge by the Bengal Lancers  
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79 The Punjab Infantry climbing the walls of Peking  
80 Trial of a Boxer, Tientsin Provincial Government  
81 A British soldier in "the centre of the Chinese Universe...Scene in the Temple of Heaven  
82 General von Waldsee entering Peking, Oct. 17, 1900

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11 English Gentleman travelling in Sedan Chair
12 Mt. Fuji, Sacred Mountain
13 Governor going to a Fire
14 Japanese Officers
15 Kamakura Temple
16 Travelling Priest
17 Kobe, Native Town Harbour
18 "  Images of Shaka Harbour
19 Ko-Hain-sau Besah
20 "  Footpath
21 Kloko, "  Entrance to Temple of Higashi-Hongan Ji
22 "  Cemetery of Kurodani Temple
23 "  A Bulllock Cart
24 "  An Ox carrying Tea
25 "  Entrance to a Buddhist Temple
26 Kioto, Korodani
27 Lady making Tea
28 "  Portrait, Summer Dress
29 "  Travelling in Sedan Chair
30 "  in Hand Carriage
31 Lady’s Toilet
32 Map of Japan
33 "  Asia
34 "  Mother and Child
35 Nagasaki, City and Harbour
36 Shinkodge Buddha
37 Nagoya, "  Koep of Daimio’s Castle
38 Nikko, Temple of Iyeysu
39 "  Entrance to Pagoda and Torii
40 "  Hot Springs, near
41 "  Native Garden, near
42 Osaka, Street from River
43 "  The Tennoji
44 Temple and Pagoda
45 "  A new light iron Bridge
46 "  Lord’s prayer, published by C.M.S. Missionaries
47 Pedlar with Pot and Fans
48 Jirinrakoa, Hooded Carriage
49 Running Footmen
50 Shinto Temple near Myanoshita
51 Shopkeeper balancing Account
52 Sumi-zashi, a Native Bridge
53 Tennyom, Buddhist Temple
54 Tennogawa, On the
55 Jirinlakoa Coolie
56 Tokaido, Pagoda Temple
57 Tokio, Belfry at Sheba
58 Yokohama, Street in
59 Europe, Foreign Convention
60 Pagoda at Nikko
61 Stone Steps at Negishi
62 Wood Carving in Nikko Temple
63 Yokohama, Bird’s Eye View
64 Tea House
65 Fru and Vegetable Sellers
66 Out-door Costume, wet weather
67 Lady asleep, Summer Costume
68 Winter Costume
69 Ladies Dressing
70 Ladies’ Tea Party
71 Camp of Girls dancing
72 Women working a Loom
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74 "  Camphor Tree
75 "  Camp of the Home of women’s
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10 Nenumi Waterfall
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12 "  Yogaemon Gate (side)
13 "  Image at Niomon Gate, Guardians of the Gate
14 "  A Wall of Karamon (showing carvings)
15 "  Interior Iyeysu Temple
16 "  Mawaridoro, Revolving Lantern
17 Kyoto, Kinkakuji Temple
18 "  A Pine Tree at Kinkakuji Temple
19 A Group of Priests
20 Japanese High Priest
21 Buddhist Funeral Procession
22 "  from Shiraito Fall, near Omiya
23 "  Motozuma Lake, near Shoji
24 "  Shojo Lake"
25 "  Tea Garden, Hikone, near Kyoto
26 "  Girls Eating Dinner at Tea House
27 "  Tea House in Maple Bush, Oji Tokyo
28 The Salutation, Ladies Meeting
29 Kago, A Travelling Chair
30 Dancing to the Music of the Shamisen
31 Group of Children and Babies
32 Festival at the Birth of a Boy, Flying the Paper Fish
33 Village Shansonashi, near Hakone
34 The Road to the Cave, Enoshima
35 A View of Matsushima (one of the three great Japanese views)
36 Kyoto, Bamboo Alley
37 "  Feeding the Silkworms
38 "  Weaving Silk Cloth
39 "  Rice-planting
40 "  Japanese Potter making Jars
41 "  Japanese Shoemaker
42 "  Fructifer’s Shop
43 "  Wrestling (Omisaki and Koishigatake)
44 "  Tokyo, The Lotus Pond in the Ueno Park
45 "  Pleasure Boats on “Yedo Jawa” (river)
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10. Belfry at Myokoji Temple at "Bluff Village," Yokohama
11. The Jit" (who has charge of little children in Purgatory) at the Myokoji Temple. Caps and other garments of the deceased children are worn by the image
12. Juniten Shrine, Honmoku, near Yokohama, showing the British "Broad Arrow" cut upon a stone lantern
13. Lantern at Gateway of Priest's Garden, at Honmoku
14. Girl watching the Camera, "Bluff Village"

**TOKYO AND NEIGHBOURHOOD.**

22. A Woman Praying, Honmonji Temple, at Ikegami. (Taken by permission of the priest)
23. Interior of the Honmonji Temple, at Ikegami. (First study)
24. The same. (Second study)
25. The same. (Third study)
26. In the Precincts of Asakusa Temple, at Tokyo
27. The same. (Second view)
28. The same. (Third view)
29. Wall, Moat, and Drawbridge, Emperor's Palace, Tokyo. Showing lotus plants on the water

**AT NIKKO.**

30. The Court of the Dragon's Bowl
31. The Dragon's Bowl. (First study)
32. The same. (Second study)
33. The same. (Third study)
34. The Envoy of the Emperor, proceeding to the Shrine of Jisuis with the Annual Offering
35. The Envoy of the Emperor returning from the Shrine of Jisuis
36. Stone Cistern of Chiation in the precincts of Sutawara Temple
37. The Deva Kira, who wards off Evil Spirits, Sambutsu-do (Temple)
38. Deaf and Dumb Pilgrim at Nikko, with Conch-shell
39. A Japanese Girl at Nikko
40. The Torrent at Nikko. (Scenery typical of the mountainous districts of Japan)
41. Children at Nikko, a study of expression
42. Stone Lanterns and Vases in Temple precincts

**COREA.**

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14 Native Girls’ School
15 Breakfast on Bullock Cart
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17 Roman Catholic Schools
18 Raffles Museum. Front View
19 On Square
20 Chinese Temple. Exterior
21 Interiors
22 Waterworks, Thomson Road
23 Kampong Bugis
24 Rickshaw
25 Native Refreshment Sellers
26 Crossing River at Lebak
27 Leglap Malay Village Street
28 Malay Village from the beach showing Malay houses
29 View from Mount Sophia

Kuala Lumpur.
30 The Kuala Lumpur (the hill)
31 View of, from
32 The Kuala Lumpur, Lepers
33 Government Offices
34 Members of the Tamil Mission
35 Methodist Episcopal Mission
36 Calvinist China’s House
37 Hot Springs
38 Drink and Opium Shop
39 Belanger, Tin Mines
40 Market Street

Java.
41 Batavia, Chinese Mission
42 Bencoolen, Native Village
43 Java Family
44 Malay Family
45 Malacca
46 Melaka
47 Sondaese Christians with missionary
48 River Scene
49 Mission School with Missionaries in Schoolroom
50 Bible Stall at Pasir Malim
51 River Scene
52 Malay Market
53 Native Market
54 The Mosque
55 Orang Java, Man of Java

Borneo.
56 Billiton. Village of Sea Dyaks
57 Pontianak, from the opposite side of the river
58 Sultan’s Mosque
59 Fish Market
60 Lowed
61 , , showing bridge across stream
62 Sakadouw Native Village
63 Salimbouw, Rajah’s Palace
64 Sambas, Group of Dyaks
65 Dyak lad with basket
66 Group of Dyak women
67 Dyak Idols
68 Sintang, Chinese Town
69 Chinese Watchmen
70 Malay Village from Chinese Town, Sintang
71 Chinese Village, Interior of Borneo, with the Interior of Borneo, with the
72 worshipping place [W. Borneo
73 Dyak Village, Seng Kawang
74 Group of Dyaks
75 Dyak Idols
76 Dyak Lad
77 Melonow on the Kapaus
78 Bedouin Rajah’s Travelling Boat
79 Loading for Bullock Cart Jour-
80 Chinese Woman [ney

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8 Native, Travelling Country
9 Bride and Bridegroom (at home)
10 Mount Argus
11 Native Dancers and Musician
12 Itinerant Sweetmeat Vendor
13 Bamboo Bridge across River
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5 Three Christian School Children, Boralong tribe, Thaba' Nehu, O.R.C.
6 On the way to School, Thaba' Nehu
7 Bridal Party, Boralong and Thaba' Nehu
8 A Wedding leaving the Church
9 Wedding Carriage and its party going home
10 Mission Girl and Communicant, Boralong
11 Native Sacred Guild, Boralong and Thaba' Nehu

Itinerating Work.
12 A Kaffir Village
13 A Native Veld Church and Priests' House
14 Round Stone Church, Springka Nek, O.R.C.
15 Native Church (interior), Chief Kolosi's Village, Basuto
16 A Native Boy Bay, Basuto
17 Girl

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8 Ketchwayo's Wife
9 Isandula Mountain
10 Portrait: Melville and Coghill
11 The Queen's Cross
12 A Zulu Warrior
13 A Family Party
14 Swasiland, Umbulant River
15 Group of Chiefs
16 A Hunters' Camp
17 Gold Hunters

18 Swasiland, In the Gold Mines
19 " Sluicing for Gold
20 " Skin Trader's Waggon crossing a Ford
21 Tongoland, Village
22 Delagoa Bay, Telegrapho Station
23 Roman Catholic Church
24 Inhambane, Old Fort
25 " Trading Station
26 " Rue de Rosal
27 " Ruined Chapel
28 " Native Hut
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30 Quillimane Street, View showing Livingstone's Tree
31 A House
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34 Zambesi River, Group of Canoes
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41 Mozambique, Landing Place
42 Southern End of Island
43 Northern End of Island
44 Arab Dhows
45 Stanley and Followers
46 The City Walls
47 Ruins in Old Town
48 A Street View
49 Bazarra Grove, Public Buildings
50 Group of Explorers and Con-
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4 Entebbe, on the Shores of Victoria Nyanza.
5 Kampala, Native Market.
6 Kampala District. Gajaza, C.M.S. Mission Premises.
7 Gayaza, English Church, Exterior.
8 Interior.
10 The King of Uganda (Daudi Chali) receiving the Boys of the C.M.S. High School at the King's House on Mengo Hill.
11 Royal Hut on Budo Hill, where the Kings of Uganda are Crowned.
12 Site of the Coronation of the Kings of Uganda on Budo Hill.
13 King Mtesa's Tomb, formerly his Residence.
14 Tomb of the Queen of King Mtesa, formerly her Residence.
15 The late King Mtesa's Chief Drummer.
17 English (C.M.S.) Cathedral, Namirembe Hill.
18 Interior of French R.C. Church on Robaga Hill.
19 Kavirondos (Naked Tribe on Victoria Nyanza) at Kisumu Market.
20 Girl with Fruit Baskets at Kisumu Market.
21 Beggar Woman and her Child (Kisumu in distance).
22 Zanzibar, Carved wooden Door.
23 Linda, Native Dug-out.
24 Dar-es-Salaam, Landing place.
25 A Building.
26 A Street.
28 Market.
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30 Native Quarters.
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32 Mikindani, Entrance to Landlocked Harbour.
33 Mozambique, View from Sea.
34 A Street.
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36 Mozambique, Native Village.
37 An Arab Dhow.
38 Quilulane, Landing.
39 A Street (Native Curiosity).
40 A Street.
41 An Indian Store.
42 Native Village.
43 Native Huts.
44 Native Hut.
45 A Cargo of Rubber.
46 Native Dug-out.
47 Beira, A Street.
48 Travelling by Trolley.
49 Lorenzo, Marquez, Principal Villa or Bressa.
50 Market.
51 Old Prison and Fort.
52 Delagaa Bay, Street.
53 Hindoo Temple.

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11. Katema, on shoulders of his Prime Minister.
12. King, Thomas, Capture of.
13. Meeting his mother.
15. Lake Jegba.
16. Livingston, Dr., Portrait of.
17. Lion and Dr. Livingston.
18. Simbanweni: “Lion City.”
19. Ungeregul Valley.
20. Crossing the Makata Swamp.
24. The Munny on the Gombe River.
29. Livingston writing his Journal.
31. Symptoms of a Fight.
32. Stanley’s followers at Cape Town.
33. Map of Africa.
34. South Africa.
35. “North Africa.”
36. Missionary received by a Chief.
37. Mumbo Jumbo, or Lynch Law.
38. Missionary’s Falls, Victoria Nile.
39. Presenting Spoils to Rumanika.
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6. Two Mohammedans.
7. Church of Kema.
10. Missionary preaching in farm.
11. A Native Shop. [Village.
12. Chief of Chiefs and their attendants.
13. Caneoman.
14. C.M.S. Dispensary.
15. Water Carriers.

ASHANTEE.

1. Inside of Church in Abetifi, Ashantee.
2. Coconunt Tree at Abetifi, planted in 1890.
3. Plain-tains, or Banana tree, with fruit.
4. Entrance to a village, with fetish stone.
5. The Village of Akwasibin, with Okwahn mountain behind.
6. King of the Okwahn province.
7. King of Okwahn with his people, drums, on the left the basket in which he is carried.
8. Chief of Obomeng (Okwahn, Ashante).
9. Chief of Obomeng and Assembly.
10. An Ashantean hunter or warrior.
11. Under chief of the King of Coomassie.
12. Crossing the River in a Slavery Berry.
13. Mrs. Ramseyer being carried down the mountain.
14. Accident of a journey in hammock, the fore man falling.
15. Accident of a journey in hammock (more serious) the rear man falling.
17. A Coomassie man, who some years ago had his ears and his lips cut for having stolen the king’s fish.
18. A Native Village, some houses of Christians being covered with shingles.
19. A sewing class in Odumase.
20. Station of Abetifi.
22. The Infant School.
23. Girls pounding their national food, “infin,” &c., pounding the boiled yams to a dough, which is then eaten with a peppered soup.
24. Girls doing their hair.
25. The Principal Street at Agogo, Ashantee.
27. Our Christian Village.
28. Group of Musicians.
29. Women with babies, showing mode of carrying them.
30. Town of Obo.
31. Two weavers at work.
32. Chief with child on his knee.
33. Coffee plantation.
34. Coffee tree.
35. Principal street in Abetifi.
36. The public executioner of Coomassie.
37. Sawing logs of mahogany in forest.
38. Natives printing cotton.
39. Women with hair curlers.
40. “in” four horns.
41. “in” two horns.
42. Dwarf with gun.
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7. Marching through the Forest
8. In the Night and Rain in the Forest
9. The River Column ascending the Aruwimi River with “Advance” and 16 canoes
10. Fight with Avisibba Cannibals. Lieuts. Stairs and wounded
11. Head-dress of Avisibba Warrior and a Belle of
12. Wooden Poisoned Arrows of Avisibba Cannibals
13. “The Pasha is coming”
14. Attacking an Elephant in Ituri River
15. Kilongo Longa’s Station
16. Relief of Nelson and Survivors at Starvation
17. Gymnastics in a Forest Clearing
18. Lyapa, Call to Arms
19. Emerging from the Forest
20. Suspension Bridge across the East Ituri
21. Our first experiences of Mazamboni’s people.
22. South End of the Albert Nyanza, Dec. 18, 1887
23. Kavalli; Chief of the Ba-biassi
24. Landing of Emin Pasha
25. Emin and Cassali arrive at our Lake Shore Camp
26. A Phalanx Dance by Mazamboni’s Warriors
27. Meeting with the Rear Column at Banalya
28. Major Barttelot, portrait
29. Entering Andikumu
30. The Scouts discover the Pigmies carrying away the Case of Ammunition
31. Starvation Camp; serving out Milk and Butter for Broth
32. Facsimile page of Stanley’s Journal
33. The Pigmies as compared with English Officers, Soudanese and Zanzibaris
34. The Pigmies at Home. A Zanzibari Scout taking Notes
35. Address to Rebel Officers at Kavalli
36. Climbing the Plateau Slopes
37. Rescued Egyptians and their Families
38. Attack by the Wanyoro at Semiiki Ferry
39. Ruwenzori, from Karim
40. Expedition Climbing the Rock in the Valley of Ankori
41. Expedition winding up the Gorge of Karya
42. Hot Spring Mtgata
43. Baby Rhinoceros showing fight in Camp
44. South-West extremity of Lake Victoria Nyanza
45. Stanley, Emin, Cassali, and Officers at Usamburo
46. Our Experiences at Usoikuma
47. Banquet at Musa
48. Under the Palms at Bagamoyo
49. The Relief Expedition returning to Zanzibar on board H. M. s.s. Turquoise and Somalit, the German War Ships Sperber and Schwale, and Major Wissman’s Steam Flotilla
50. Portrait of H. M. Stanley wearing his orders and decorations. This photograph was especially taken for the Edition de Luxe, and has not previously been published

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5. Cape Town, Table Mountain, from the Docks
6. General View, and Devil's Peak
7. Parliament House, and Lion’s Head
8. In the Botanic Gardens
9. Victoria Road
10. Groot Farm
11. Group of Kaffirs and Hut
12. Crossing a D rift in Oogagoo
13. Van Stranden’s Pass, starting from Camp Constantia, Government Wine Store
14. Suburbs
15. Grape Gathering
17. Western View of Cathedral
18. Johannesburg. The First House built
19. The Market Place
21. Pine Town, Kaffirs at Pool
22. Portrait of the Prince Imperial
23. Place where the Prince Imperial fell
24. Transvaal. Stage Coach
25. Zulu Chief, with Spear and Shield
26. Woman, in Native costume
27. Lake Tanganyika
28. Karuma Falls, Kidi
29. Bulawayo. Rhodes’ Statue
31. Matopo Hills, near Bulawayo. Rhodes’ Grave
32. Matapo Hills. Rhodes’ Grave, with surrounding boulders
33. Rhodesia Railway School Buildings, Plumtree
34. Victoria Falls
35. Victoria Falls, Rhodesia
36. Victoria Falls, Rhodesia. Fox’s Cable across the Gorge. (Fox the mining engineer of the Railway Co. up there to get foundations for the bridge across the Gorge.)
37. Victoria Falls. The Bolling Pot in the Gorge below the Falls
38. Victoria Falls. The View which will be seen crossing the Railway Bridge
39. Victoria Falls. Islands on the Zambezi above the Falls
40. Rhodesia, near Eukeddoeh, Weninghem Native Station
41. Rhodesia, Zimbabwe Ruins. The Conical Tower
42. Zimbabwe Temple. The Great Wall, looking east, and showing the decorations of the Wall at that point

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48 The Victoria Falls, General View from the East End, looking through the trees.
44 " from East End, showing spray cloud.
45 " Double Rainbow on Spray, East End.
46 " Near View.
47 The Victoria Falls, The Edge of the Falls. In the distance is the Railway Bridge of the Cape to Cairo Railway.
48 " from the Bridge of the Cape to Cairo Railway.
49 The Bridge over the River of the Cape to Cairo Railway (the highest bridge in the World).
50 Natives of Rhodesia in their "Dug-out" on the Zambezi.
51 Huts on Livingstone Island on the Zambezi (about 3 miles above the Falls).
52 Kaffirs in the Compound of De Beer's Diamond Mines at Kimberley, The Dinner Street.
53 Johannesburg, Commissioner Street.
54 " Rand Club.
55 " Kruger's Waterfall.
56 " Standard Bank.
57 " Telephone Tower.
58 " Stock Exchange.
59 " Morning Market.
60 " One of the fine shops.
61 " Arcade.
62 Pretoria, Avenue Blue Gums.
63 " Street, typical blue gums and weeping willows.
64 " Church Square, showing Raad Saal, etc.
65 " Panorama.
66 Ferreria, Gold Mines.
67 Bloemfontein, The Presidency.
68 New Primrose, Interior of Cyanide Works.
69 " Interior of Gold Mine Battery.
70 " Workers in the New Primrose Mine.
71 Cape Town and Table Mountain.
72 " Interior of the House of Assembly.
73 " Houses of Parliament.
74 De Beers, Kaffir in diamond mine.
75 " Endless Rope Tramway.
76 Kaffirs at City and Suburban Gold Mines.
77 General view of Gold Mines from Goldenhuls Headgear.
78 In a Gold Mine, 900ft. deep.
79 Wit Waters Rand Compound Gold Mine.
80 In a Mine Bar.
81 Ox Wagon travelling.
82 Kaffir Natives and Kraal near Durban.
83 Natives and Hut.
84 Kaffir Beauty with Palm leaf.
85 " Girls at a meal.
86 " Bride.
87 Kaffir Washing-boy.
88 " War Dance.
89 " Ostrich Farm.
90 South African Cattle.
91 Typical Boers on Veldt.
92 East London.
93 Old Method of Mining.
94 Cetewayo.
95 Muizenberg, Sea view.
96 Durban, Richkwa Boys.
97 " Zulu Boy in costume.
98 " Royal Hotel, Umndele Square.
99 " R.M.S. "Norman."
100 " On the Quay, leaving.
101 " Off Warden, near Durban.
102 Old Dutch House, Stellenberg, Kenilworth.
103 Bunnboos growing wild, Durban.
104 Cradock.
105 Group of Indians smoking.
106 Two Zulu Boys.
107 Great Schuur.
108 Karkoo near Matjesfontein.
109 Bloemfontein, Market Square.
111 Caledon, Stone Pines.
112 Table Mountain.
113 Howick Falls.
114 Three Zulu Boys.
115 Tokai.
116 Silver Leaf Trees, Wynberg Hill.
117 Simon's Town.
118 Cape Town, Adderley Street.
119 Cape Town, Parliament House.
120 " St. George's Street and Cathedral.
121 " In the Docks.
122 " and Table Mountain.
123 " and Bay.
124 Cape Colony, Caledon, with Babel in distance.
125 " Groot Constantia.
126 " A South-Eastier.
127 " Some Yellow-finch Nest.
128 " Queenstown.
129 Hermanuspetrusfontein.
130 Hermanuspetrusfontein, Rocky Coast View.
131 " Breaking Waves.
132 Meeting of Presidents Kruger and Steyn at Pretoria before the War; Guard of the Stants Artillery.
133 Port Elizabeth, Kaffir Hut.
134 Boer Wagon leaving.
135 " Kaffir Location.
136 " Door of Kaffir Hut.
137 Landing at East London, teams " Getting in."
138 " " Waiting for the roll."
139 " " " Going up."
140 " " " Coming down."
141 Vineyard Hotel, Newlands.
142 A Cape Town Cabby.
143 View in Cape Town Docks.
144 In Cape Town Docks.
145 View in Oxford Street, Cape Town.
146 The Cape of Good Hope.
147 A Dutch Farmhouse, The Cape.
148 Kaffirs and Hut.
149 Starting from Heidelberg.
150 On the Veldt, Rietspruit.
151 Johannesburg Coach leaving Charlestown.
152 " A Horse Auction.
153 Boer Wagon leaving Johannesburg.
154 A Mine Head.
155 On the Veldt, Changing Hill.
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159 " Fruit Sellers.
160 " Ox Carriages.
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164 " " Group of Clerones near Castle.
165 " French Training Ship.
166 " " Mexican."
167 " Old Gate.
168 " A Fountain.
169 " " A Street Scene.
170 " " A Bullock Sleigh.
171 " " The Mount Church.
172 " St. Helena, James Town.
173 " Tomb of Napoleon.
174 Dutch Church, Allwal, North.
175 Market Place, East London.

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nial Steamer
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6 " " High Street
7 " " Public Buildings
8 " " Colonial Bank
9 " "

10 Bridgetown, Panorama from
Cathedral, No. 1
11 " " Cathedral Int.
12 " " Hastings, The Beach
13 " " American Hotel
14 " " Town and Shipping
15 " " St. John's Church
16 " " Interior
17 " " View from
Churchyard
18 " "
19 St. John's Church, View from
Palm Trees
20 St. Vincent, View from Ship,
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22 H.M.S. Canada
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17 " " The Convexorum
18 Kingston, Orange Street and
Jubilee Market
19 " " King's House and
Grounds, No. 1
20 " " No. 2
21 " " No. 3
22 " "
23 " " View from Bridge
24 " " Cemetery
25 " " View of the Camp
26 " " Exterior View of Camp
27 " " Coffee Roasting Estab-
lishment
28 " " Gordon's Town
29 Spanish Town, Bishop's Palace
30 " "
31 " " Rodney's Monument
32 " " Cathedral
33 " " Interior
34 The Bog Walk, No. 1
35 " " No. 2
36 " " No. 3
37 " " No. 4
38 " "
39 " " Wayside Inn
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42 " " Panorama
43 " " Brook's Hotel
44 " " Breadfruit Trees
45 Port Royal, Old Navy Yard
46 " "
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48 " " Jubilee Square
49 " " View from Arsenal, No. 1
50 " " No. 2

Trinidad.

1 Maritime Square, No. 1
2 " "
3 Roman Catholic Cathedral
4 " " Interior
5 " "
6 Protestant Cathedral
7 " " Interior
8 Brunswick Square
9 Government Buildings
10 Ice House, Hotel and Police
Barracks
11 Port of Spain, Panorama, No. 1
12 " "
13 " " Queen's Park
14 " " Prince's Building
15 " " A Tropical Residence
16 " " Government House
17 " " Avenue
18 " " Botanical Gardens.
19 " " Tropical Foliage
20 Port of Spain, Botanical Gar-
dens, Ficus Laurifolia
21 " " Botanical Gardens,
Travellers' Palm
22 " " Queen's Park,
Panorama, No. 1
23 " " Queen's Park,
Panorama, No. 2
24 " " St. James' Avenue
25 " "
26 Martinique, Port of France
27 St. Kitt's Square in Basseterre
28 St. Lucia, The Gros Piton, with
Town of Soufriere at base
29 St. Vincent, Government House
30 " " Kingston Harbour
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32 Trinidad, Reservoir in Marawa
Valley
33 " "
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3 Side Street off West Street after the Earthquake.
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2  "  Heathen Women.  Native Teacher and wife (from Eranok) and Mrs. Michelsen in background
3  "  Mission Station
4 Anivua.  Revs. Patton and Murray outside of Mission Station
5  "  Rev. J. G. Patton's Station, taken 1886
6 Anciyam.  Manager's House, Sav Mill
7  "  Mission Church (Stone), 106 ft. long, 50 ft. broad, built under Dr. Geddle, the natives' "first love"
8  "  Exterior of Mission Station.  Mr. and Mrs. Lawrie and Mr. Patton in front
9  "  Sav Mill
10 Efati.  On the Lagoon at Eranok
11 Epi.  Tasiko Men
12  "  Asherim at Mr. Fraser's Station
13  "  Our Station at Tasiko
14 Eromanga.  A Bridge
15  "  Mr. Robertson and Natives making roads on the banks of the Williams River
16  "  On the Banks of the Williams River
17 The "Dayspring" at Filam Harbour
18 Hawannah Harbour.  The "Dayspring's" Boat ashore for Water
19 Hawannah Harbour.  H.M.S. "Swinger"
20  "  Mr. Macdonald's Church
21  "  Mission Church & Station (Rev. D. J. Macdonald)
22 Mahkula.  Amy Gertrude Russell Mission Station as seen from the Coral Reef
23  "  Amy Gertrude Russell Station
24  "  Mr. Gilliat's Station
25  "  Mr. Morton's Station
26  "  Asherim
27  "  On the Coast, as seen from the Rev. J. W. Leggatt's Station
28  "  S.S. "Croyden" of the A.U.S.N. Co. This Company is now doing the "Dayspring" work
29 Malo.  Mission Station, 1897
30  "  1891
31 Nguma Bay, the families Milne and Michelsen Embarking after a visit to a Planter's Widow
32 Nguma Mission Church (Rev. F. Milne)
33 Natives of Sakam, in Epi
34 Port Resolution.  Coral Reef.  The long Promontory was raised up out of the sea 13 years ago (32 ft.)
35 Santo.  Mr. Macdonald's Station on W. Coast
36  "  Native Woman
37  "  View of Coast, as seen from Macdonald's Station
38 Tanna.  Coral Reef, with volcanic hills in the background, at Mr. Watt's Station
39  "  Volcanic Stone on Coral Reef
40  "  Natives
41  "  Native Women
42 Tongaik.  Asherim
43  "  Four Generations of Natives: Chief with father, uncle, two sons, and grandson.  Our two little girls in the door of our out-station
44  "  Our Out-station
45  "  School-house
46  "  View of Bunings and Ewose, as seen from Tonga
47 Tongoa.  Head Station, built at the village where the people who made it necessary for us to flee
48  "  Back View of our Head Station and Printing Office
49  "  Mission Station (Rev. J. Armstrong)
50  "  Out-station where we lived after our flight
51  "  New Church at Out-station
52  "  Bush School-house
53  "  New School-house at Head Station
54  "  Native Teacher
55  "  Christian Chiefs
56  "  New Year's feast, 1899.  At this place forty men were clubbed and eaten a few years ago
57  "  Seven hundred Christian Natives gathered for a New Year's Feast, 1896
58  "  Road-making.  Christian Chief sitting on a stone.  He went out afterwards as teacher to the heathen chief at his back (see "Four Generations")
59  "  Tongoes as Heathens
60  "  and Ensvi, View of, as seen from Ton-61 Native Lilies
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2 Audience at the Palace 50 Bezanzonano Tribe. A man and two women
3 Female Slaves filling Bamboos with Water at the 51 Hova Types
4 Native Costume 52 Gentleman and family
5 Jack Tree, Artocarpus integriolila 53 Teacher and his family
6 Martyrdom of Christians, thrown from the Cliff. 54 Tombs
7 Map of Madagascar 55 An old Town
8 Native in Forest 56 Town
9 Palm and Medicine Aloe 57 Imianaoon. House built by M. Lahorse
10 Dwarf Palms, Forest Scene 58 Isuty. Landing place for canoes, bringing rice,
11 Street in Tananarive 59 Istory Lake
12 Travellers passing through Great Forest 60 Mahanoro District. Three Natives from
13 The Traveller's Tree, mode of obtaining Water 61 The 'Bluff'
14 Ambatcharanano. S. Paul's Theological College 62 Church and School
15 Ambodinivato School in the Vorimo Tribe 63 Church from West Side
16 Andramasina, A noble's house 64 Church, interior [scene of 1893
17 River Scenery I. 65 Church and School after the hurricane
18 River Scenery II. 66 Mission House
19 Andringaloaka, on the edge of the forest 67 New Hospital [1893
20 Anosiaivo. A Village in the Vorimo Tribe 68 Boarding School for Girls
21 Aosy, the Queen's Lake, west of Antananarivo 69 'Wedding from
22 Antaimoro Tribe. Two Chiefs and their slaves 70 Three School Girls
23 Member of, and "Stone Elephant" 71 Boys [wife
24 Antananarivo I. 72 Rev. R. Raboanary and Rasitera his
25 Antananarivo II. 73 Group of Native Patrickers
26 Queen's Palace 74 Malagasy Ox
27 Review of Troops I. 75 Manangara Church and School
28 Roman Catholic Cathedral, and 76 Mozambique Woman, formerly a slave, but freed
the Palace from the "Cannons" by decree of the Malagasy Government
29 Cathedral of S. Lawrence 77 Ramainandro. Waterfall near
30 Cathedral from Bishop's House 78 Mission's House
31 Bishop's House, Prinking House 79 Three High School Boys
32 and Girls' School House 80 Sakalava. A group of
33 The Bishop and a group of boys 81 Sakalava. A Coast Village
34 Three Choristers 82 A Forest Scenery
35 Mission House 83 Group of Native Teachers
36 Boys' High School 84 A Path
37 Zomia Market 85 A Hut
38 Old Houses 86 A Rocky Valley
39 The Plain of Andohalo 87 A Waterfall
40 One of the Main Roads into 88 Effects of a Hurricane
41 At the Spring [ground 89 Women beating rice
42 Washing clothes. Sheep in forest 90 Women working at the Native Hand-loom
43 Betsimisaraka. A group of 91 A Woman working at the Native Hand-loom
44 Woman 92 Going to a school feast
45 Native Desoon and family 93 Woman putting on "zamba" in mourning
46 School Girls 94 Girls dancing (among the Vorimo tribe)
47 School Feast 95 Slave Woman in mourning
48

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4. " " Palace, showing hostile preparations
5. " " Monkey Pod Avenue, Hawaiian Hotel
6. " " Government Buildings
7. " " Chinese Quarter
8. " " Nuanu Avenue
9. " " Entrance to Mr. Atherton's
10. " Hon. S. Parker's Garden
11. " Date Avenue, Royal Hospital
12. " " Diamond Head
13. " " Waikiki Beach
14. " Cathedral, Exterior
15. " Interior
16. " Rice growing, Pearl City
17. " Vegetation on road towards Honolulu
18. " Deck of H.M.S. " Champion," Honolulu Harbour
19. " " Honolulu Harbour from bridge of H.M.S. " Cham-
20. " Gun-room group on H.M.S. " Champion" [picture]
22. " The Pall (precipice), near Honolulu
23. " with forest from the North
24. " Existing guano. Pall road
25. " Cocoanuts and gold fish pond. Walkiiki
26. " Cocoanut Grove, Honolulu
27. " Waterlily pond, residence of Princess Kiiulani

Island of Kauai.
28. " Lower Waialua Falls
29. " Upper
30. " Screw pines (Lauhala), and native grass but
31. Liboce, a sugar village
32. " Landscape, with modern bridge
33. " Our quarters, Hanapepe Valley
34. " Walking along the flume. Hanapepe Valley
35. " Kukui, or Candle-nut Trees. Hanapepe Valley
36. " Hanapepe Falls
37. " Approach to Hanapepe Falls

Island of Manui.
38. " Kanaka Children, Wailuku
39. " Wailuku and Iao Valley
40. " Native Graves, Wailuku
41. " Group of Kanakas and hut, Wailuku
42. " Remains of Heathen Temple, and Kahuul Bay
43. " Bananas. Kanaka settlement and Taro patch
44. " Papia Tree, hut and group. Wailuku
45. " Picking water snails in a Taro Patch
46. " Hanapepe Valley
47. " Our quarters, Hanapepe Valley
48. " Walking along the flume. Hanapepe Valley

Island of Molokai.
49. " Rico, our Jap cook and husband
50. " " Ahi," chief Chinese servant at Volcano House
51. " " Mauna Kea from Hilo
52. " " Mauna Loa from Hilo
53. " " Looking up 1881 flow towards Mauna Loa
54. " " Give us a light." On the road to Kilauea
55. " " Shotting Cardinals. Volcano Road
56. " " Walking along the flume. Hanapepe Valley
57. " " Approaching Hanapepe Falls

Island of Lanai.
58. " Kanaka Children, Waikiki
59. " Wailuku and Iao Valley
60. " Native Graves, Wailuku
61. " Group of Kanakas and hut, Wailuku
62. " Remains of Heathen Temple, and Kahuul Bay
63. " Bananas. Kanaka settlement and Taro patch
64. " Papia Tree, hut and group. Wailuku
65. " Picking water snails in a Taro Patch
66. " Hanapepe Valley
67. " Our quarters, Hanapepe Valley
68. " Walking along the flume. Hanapepe Valley
69. " Approaching Hanapepe Falls

Island of Niihau.
70. " Rico, our Jap cook and husband
71. " " Ahi," chief Chinese servant at Volcano House
72. " " Mauna Kea from Hilo
73. " " Mauna Loa from Hilo
74. " " Looking up 1881 flow towards Mauna Loa
75. " " Give us a light." On the road to Kilauea
76. " " Shotting Cardinals. Volcano Road
77. " " Walking along the flume. Hanapepe Valley
78. " " Approaching Hanapepe Falls

Island of Lanai.
79. " Kanaka Children, Waikiki
80. " Wailuku and Iao Valley
81. " Native Graves, Wailuku
82. " Group of Kanakas and hut, Wailuku
83. " Remains of Heathen Temple, and Kahuul Bay
84. " Bananas. Kanaka settlement and Taro patch
85. " Papia Tree, hut and group. Wailuku
86. " Picking water snails in a Taro Patch
87. " Hanapepe Valley
88. " Our quarters, Hanapepe Valley
89. " Walking along the flume. Hanapepe Valley
90. " Approaching Hanapepe Falls

Island of Lanai.
91. " Rico, our Jap cook and husband
92. " " Ahi," chief Chinese servant at Volcano House
93. " " Mauna Kea from Hilo
94. " " Mauna Loa from Hilo
95. " " Looking up 1881 flow towards Mauna Loa
96. " " Give us a light." On the road to Kilauea
97. " " Shotting Cardinals. Volcano Road
98. " " Walking along the flume. Hanapepe Valley
99. " " Approaching Hanapepe Falls

Island of Lanai.
100. " Rico, our Jap cook and husband
101. " " Ahi," chief Chinese servant at Volcano House
102. " " Mauna Kea from Hilo
103. " " Mauna Loa from Hilo
104. " " Looking up 1881 flow towards Mauna Loa
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107. " " Walking along the flume. Hanapepe Valley
108. " " Approaching Hanapepe Falls

Island of Lanai.
109. " Rico, our Jap cook and husband
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113. " " Looking up 1881 flow towards Mauna Loa
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5. Map of Australia
6. Melbourne, from Post Office
7. Collins Street, looking East
8. General Post Office
9. Exhibition Building
10. Law Courts
11. Houses of Parliament
13. St. Paul's Cathedral, Int., looking West
14. Racing Eights on the Yarra
15. Mob of cattle
16. Monument to Burke and Wills
17. Mount Abrupt, Kangaroo Hunt
18. The Murray River in Flood
19. New South Wales, A Bush Road
20. Cattle Crossing
21. Nesseau Towers
22. Blue Mountains
23. Weeping Rock
24. Katoomba Waterfall
25. Natives with Fishing Nets
26. Queensland, Artesian Wells
27. Russell Falls, Top Fall
28. Snake Hunting by Natives
29. Hereford Cows on wooded park
30. Wheat Stripped
31. Sydney, General View
32. Heads from Manley Beach
33. Botanical Gardens—Palmer Grove
34. Deer Hunting by Natives
35. Map of New Zealand
36. Native Pah, entrance
37. Rotorua. Mokoia Island, Hinetemoia's Bath
38. Taranaki, Maori Village
39. Tauranga Church, Interior
40. Natural Bath and a tall Nikiel Palm
41. Ohinemutu Maories
42. Rotorua, Mokoia Island, Hinemoia's Bath
43. Sunset
44. Sunset
45. Lake
46. in the Bush near Taranaki
47. Taranaki, Maori Village
48. Tauranga Church, Interior
49. Natural Bath and Hot Springs
50. Children in Hot Spring, Market Place
51. Sophia, Maori half-caste Guide to Terences
52. ‘Te Keeya, Maori Chief
53. and Wife
54. Tuhuatahi, the `Cham-
pagne' Pool, Geyser Valley
55. nearer view

For other Slides of Australia, see pages 479 and 480.

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5. 6
7. 8. Waikare, Coast
9. Pohutukawa Bush
10. American Lever Gore or Snow Gate
11. Baptism of Te Naghu at Arika
12. Chief's Hut
13. Christchurch, Lincoln Agricultural College
14. Dunedin, Otago
15. Geyser, "The Twins," at rest
16. in motion
17. "The Dragon's Mouth"
18. "The Heron's Nest"
19. Harvest, Reaping Wheat
20. Hike and his Life
21. Lake, "The Steam Hammer"
22. Map of New Zealand
23. Mt. Egmont, with Burnt Bush and Cross-hed sheep in fore-
ground
24. Native Pah, entrance
25. Nelson, Bishopsdale
26. Trafalgar Street
27. North Island, Maori Woman
28. Man
29. Natural Bush and a tall Nikiel Palm
30. Ohinemutu Maories
31. Rotorua, Mokoia Island, Hine-
moia's Bath
32. Sunset
33. Sunset
34. Lake
35. in the Bush near Taranaki
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38. Natural Bath and Hot Springs
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40. Sophia, Maori half-caste Guide to Terences
41. Te Keeya, Maori Chief
42. and Wife
43. Tuhuatahi, the "Cham-
pagne" Pool, Geyser Valley
44. nearer view

For other Slides of New Zealand, see pages 479 and 480.
NEW ZEALAND—Continued.

66 Auckland from Mt. Eden
67 Extinct Crater of Eden, near Auckland
68 The Bluff, New Zealand Bush
69 " " Loading the s.s. "Rapua" with frozen mutton
70 Cape Horn. Coming towards the Cape from (i.e. looking E.)
71 Lyttelton Harbour
72 " " H. I. H. "Ring-a-rooma" (two funnels)
73 " " Pier showing the "Discovery" in Dry Dock
74 " " Showing the "Discovery" lying in Dry Dock
75 " " The "Discovery" in Dry Dock
76 " " The "Discovery" on board the "Discovery"
77 " " In the rigging of the "Discovery"
78 " " There is no iron in the rigging or anywhere within 30 ft. of the Magnetic Observatory on board
79 Lyttelton Harbour. S.S. "Rupen" of the New Zealand Shipping Co.
80 " Governor's Bay near Port Chalmers
82 Rotorua. In the Sanatorium
83 Rotorua. In the Sanatorium Grounds
84 " " Hot Springs, Steam rising out of the ground
85 " A Geysier at work
86 " A Geysier at work; the water is at boiling point, and the clouds of steam obscure the jet of water
87 " Maori Women cooking
88 Sawyer's Bay (near Dunedin), Gulls on the wing
89 Sawyer's Bay (near Dunedin), Gulls settling
90 Timaru. Wild Flax and Pampas Grass
91 Waitaki River, the biggest river in New Zealand, a few miles from Auckland
92 Wellington, Panorama
93 " "
94 Wellington, Panorama
95 S.S. "Surrey" leaving Wellington for S. Africa, with part of the 4th N.Z. Contingent. The Premier, Mr. Reddon (who went to see them off), is on the Chart-room roof
96 Whakarewarewa, near Rotorua, "Prince of Wales's Feather Rock"
97 " " The principal Geysier (not working)
98 " A Geysier
99 " Maoris after morning bath
100 New Zealand Bush showing Tree Ferns which are a great feature of New Zealand scenery
101 Bush Land partially cleared
102 Blue Gum (Eucalyptus) Trees. Common all over Australia and New Zealand
103 A typical New Zealand Sheep Farm
104 King Penguins, from Macquarie Island, South of New Zealand

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6 Geraldine, Market Square
7 Reefton, Coach leaving
8 Whanganui River
9 Whanganui River, Pipiriki
10 Whakarekei Geyser
11 Great Geyser
12 Tapan, Crown's Nest Geyser
13 General View
14 Rotokakahi Lake
15 Rotomahana Lake
16 Rotomahana Lake, General View
17 Tarawera Mount
18 Waimango Volcano, before Eruption
19 Waimango Volcano, during Eruption
20 Native Hut at Nukualofa
21 Tongatapu
22 Vavau in Tongan Group
23 Apia, Native Canoe
24 Villa Yalima, Stevenson's House
25 Apia, Samoan Village
26 Suva, Botanical Gardens, showing Date Palm
27 Suva, Botanical Gardens, showing Lemon Tree
28 Suva, Native House
29 " Policeman and Lali
30 " Native boy with fishing spear
31 Fiji Natives
32 Singales Women in Suva, Fiji
33 Honolulu, General view
34 Field on C.P.R.
35 Niagara, Electric Generators, distant view
36 " Electric Generators, near view
37 " American Falls
38 " American Falls from Goat Island
39 " Rapids below the Falls
40 Tenerife
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1 Lautoka
2 " The Wharf
3 " " s.s. "Rakafa" (of the N.Z. Shipping Co.) (cocoa-nut tree in the foreground)
4 " Fijians on the Wharf (taken from the deck of the s.s. "Rakafa")
5 " A field of sugar-cane belonging to the "Colonial Sugar Co."
6 " In the sugar fields
7 " " Women working
8 " " Showing cart
9 " Indian coolie women in the verandah of the hospital
10 " Mangrove Swamp
11 " Bread Fruit-trees, near Suva
12 Suva, Outrigger Canoe

A Dried-up Stream, the banks of the s.s. "Rabaia"
A field of sugar-cane belonging to the "Colonial Sugar Co."
In the sugar fields
Indian coolie women in the verandah of the hospital
Mangrove Swamp
Bread Fruit-trees, near Suva
Suva, Outrigger Canoe

A field of sugar-cane belonging to the "Colonial Sugar Co."
In the sugar fields
Indian coolie women in the verandah of the hospital
Mangrove Swamp
Bread Fruit-trees, near Suva
Suva, Outrigger Canoe

A Fijian, With his War Club
Belle
Two Fijians
Fijian Women and children
Boys (three)
Playing cricket, with cocoanut leaves as hats and breadfruit tree as wicket
Girl
Children
Half-caste out for a Picnic
Carrying Bread Fruit
Group of
Outside a Hut
On deck of ship
Bush
Hut and Cocoa-nut Trees
Cocos-nut Trees
Banana Trees

EXPIRING RACES.
The Yaghans (or Canoe-Dwellers) and the Onas of Tierra del Fuego.

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8 Agua's Callenches
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30 " San Francisco Street & the Cathedral
31 " Church of La Merced
32 " the slaughter-houses
33 " Tortillas Factory
34 " Ravine of Ibarra
55 " Río de La Erma
56 A Talchiquero drawing Pulque at Apam
37 Cascade of Jumacatlan, State of Jalisco
38 Monument on spot of Emperor Maximilian's Execution
39 Volcano Popocatepetl
40 Mexico City, 5th of May Parade, and the Palace
41 " " Military Regiment in Plaza Major
42 " " Market Place, Plaza Major
43 " " the Cathedral
44 " " Monterilla Street
45 " " Plateros Street
46 " " Fountain of Salto del Agua
47 Guanajuato, A public fountain and water carriers
48 A haman market
49 Vera Cruz Seminario Street
50 " " Gulf of Mexico
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<th>MEXICO.</th>
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<tbody>
<tr>
<td><strong>Beautifully Painted Views, 5s. each; Plain Slides, 1s. each.</strong></td>
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<tr>
<td>1 Cunevaso, Market</td>
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<tr>
<td>2 &quot; Astic Village near with Organ Cactus</td>
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<tr>
<td>3 Coach to Chipala</td>
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<tr>
<td>4 Cactus Country in S. Mexico</td>
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<tr>
<td>5 Cactus near Mexico City</td>
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<tr>
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<tr>
<td>7 Mitra, Ruins, showing Columns</td>
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<td>10 Peak of Orezare</td>
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<td>11 &quot; Puebla, Street in Cathedral</td>
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<td>12 On the Southern Mexico Railway</td>
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<td>18 Station on the Interoceanic Line</td>
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<td>20 Mexican Village with Organ Cactus Hedge</td>
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<td>1 Arequipa, Miola in distance, built by Priazras</td>
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<td>2 &quot; Street</td>
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<tr>
<td>3 Sand Heaps between Mollend and Arequipa</td>
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<td>4 Llamas as beasts of burden</td>
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<td>3 &quot; Bridge over Red River</td>
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<td>4 &quot; Group of Niggers in Street</td>
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<td>11 &quot; Butcher's Boat up the River</td>
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<td>16 &quot; Palermo Gardens, Aloe in Foreground</td>
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<td>17 &quot; Priest in Chapel at Ruoda</td>
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<td>19 &quot; The Governor's Private House</td>
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<td>20 &quot; National Bank</td>
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<td>23 &quot; Imnundated Forest</td>
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<td>24 &quot; Monte Video, from the Sea Island of Flores, 50 miles distant (Quarantine Stn.)</td>
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<tr>
<td>25 &quot; The Pagoda Summit</td>
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<td>26 &quot; &quot; Paguessa Island, looking Seaward</td>
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<td>27 &quot; Pernambuco, Landine Place</td>
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<td>28 &quot; Bullock Sugar Carts outside Store</td>
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<td>33 &quot; Rio Janeiro, General View</td>
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7 River and Bridge
8 from 1 mile below Bridge
9 Wagon Road and East
10 End of 1,000 Tunnel
11 View showing No. 3 Tunnel, near Yale
12 Yale Road, Ox Team Waggon
13 View of
14 Church and Mission
15 Alexandra Bridge (Larona
16 Clay Bluffs, a few miles below
17 View down the Thompson from near Drynoch (Tunnel
18 Slaughter House Tunnel (No. 7
19 Lylko
20 Tunnel No. 10
21 Clay Bluffs, West, below Hamlin
22 Kamloops, looking East
23 Vancouver, Lots Sale, Big Tree
24 Pack Train on Cop
25 Indian Graveyard
26 " Child's Grave
27 " Tents, Closed
28 " showing Interior
29 Group of Indians
30 Jackass, Mountain Pass
31 Forest Scene in Winter
32 Stern-wheel Steamer
33 British Columbia, Washing for Gold at Boston, near North End
34 British Columbia, S.S. "City of Nanaimo" leaving Camilia
35 British Columbia, Vancouver, looking East
36 British Columbia, Vancouver, C.P.R. Wharf
37 British Columbia, C.P.R., running between Canmore and Donald
38 Selkirk's Bridge in the Loop.
39 Selkirk's, Interior of Snowshed
40 Stoney Creek Bridge
41 showing Snow Sheds, summit of Selkirk's
42 Great Glacier from the Road
43 North-West Territory. Cree Indians, Maple Creek
44 North-West Territory. Breaking the Prairie of the Canadian A. C. & C. Co.'s Farm at Stair
45 North-West Territory. Indian Pow-Wow, Mosoomin
46 North-West Territory. "Medicine Man" and "Winnipeg Jack," Blackfeet Indians, Gleshon
47 North-West Territory. Sheep belonging to the C.A.C. and C. Co.'s, Maple Creek. For Shipment, 3rd Sept., 1899
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50 Howe Pass at Big Hill
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52 Banff. Canadian National Park, Bow River and Twin Peaks
53 The Aulukan Glacier
54 S.S. "Beaver" wrecked on Prospect Point
55 Indians employed by G. A. E. Hyde, Esq., of Hydeville, Assa.
58 Delivering Grain at Elevators, Coberberry, Man.
59 Cowboys at Cherry Creek, C.P.R.
60 Canadian Pacific Railway Train
61 Canadian Pacific Railway Dining Car, "Holyrood"
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10. Indian Chief (Portrait), Chief of the Ojibway, now a Clergyman of Church of England
11. Indian Chief with Medal
12. Native Dress
13. Indians going to Church
14. Buffalo Dance
15. Camp, Sioux Village
16. Interior, with Indians
17. with Head Dress
18. and Squaws
20. Grave Memorials
21. Buffalo Hunting
22. Hunting Equipment
23. Lacrosse Player
24. Suspension Bridge
25. Bear Medicinal Man
26. Indian Pappoose in Indian Cradle, Goat Island
27. Wigwam, Night
28. Day, open
29. Lake Superior, Port Arthur
30. Port Arthur, Water Street
31. Lumber Mill, showing log going up
32. Lumber Mill, Interior 1.  II
33. Lumber Tramway loaded, showing Lumber Piles
34. Group of Lumber Men at a Lumber Shanty
35. The Shantyman at Dinner
36. Looking down Timber Slide
37. A Railway of Logs in the Woods
38. Timber Slide with Wood Piles
39. Sweeping Logs out of the Lake
40. Superior Lake, Lake Steamer
41. Lumber Shanty, Bissetts Creek
42. Ice Formation in Bissetts Creek, Lumber Slide in distance
43. Salmon Trout caught in Bissetts Creek
44. Sheep in Bissetts Creek
45. Canadian Pacific Freight Train at Bissetts Creek
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57. James Street
58. Maple-Sap Gathering
59. Meet of Snow Shoe Club
60. Notre Dame, Exterior
61. Post Office
62. Ice Railway, St. Lawrence
63. Victoria Bridge, 7s. 6d.
64. Muskoka River, High Falls
65. South Falls
66. Ottawa, Chaudiere Falls
67. Departmental Building
69. Int.
70. Public Buildings
71. Timber Raft
72. Stacks
73. Parliament Buildings
74. Railway Bridge over River Ottawa
75. Ice Flos in Whirlpool, Rushy Cataract on Rapids
76. General View of Country looking towards Ottawa
77. Ottawa, Canadian Crab-apple Tree in full blossom
78. A Canadian Tollgate and Keeper
79. Canadian in Winter
80. Tobogganer in full Costume
81. Trestle Bridge over Mouth of Creek
82. S. John's, New Brunswick Suspension and Cantilever Bridges
83. Quebec, General View
84. from Citadel
85. from Point Levir
86. Point Levir from River
87. from Dufferin Terrace
88. from Fort and Terrace
89. English Cathedral
90. General Wolfe's Monument
91. Rockies, British Columbia
92. Kicking Horse Pass
93. Railway Tunnel
94. Train, Pullman's Car
95. Interior of Dining Car
96. Snow Plough clearing Rail, 7s. 6d.
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98. Post Office
99. Lieutenant-Governor's House
100. University College
101. Winnipeg, from Tower
102. Main Street
103. Streets in Winter
104. Sleighing

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105. Bath Cascades, Rockies
106. Cathedral Mount
107. Devil's Head, Rockies
108. Kanasaskis, Columbia
109. Natural Monuments, Columbia
110. Cascade, Selkirks
111. Castle Mountain
112. Cowboys' Medicine Tent
113. First Crossing of Columbia
114. British Columbia, a Settler's Clearing in the Forest
115. British Columbia, Kootenay River. Freight Cars on Ferry
116. Calgary. Cowboys in charge of a Horse Ranch
117. Montreal, McGill Street showing extraordinary number of wires
118. Montreal. Departure "Imperial" Ltd.
119. Ottawa. House of Parliament from Rail
120. Ottawa. Loggins at Ottawa River
121. Quebec. Citadel and Height of Abraham
122. Rocky Mountains, An Avalanche with Mount Sir Donald and the Great Glacier in Background
123. Superior Lake, Lake Steamer
124. Superior Lake. Three Grain Elevators, Capacity 5,250,000 bushels
125. Vancouver
126. Victoria, B.C. Showing new Hydraulic Dredger
127. Victoria, B.C. Houses of Parliament, Interior
128. Winnipeg. Houses of Parliament
129. Winnipeg. City Hall
130. Emigrants on Landing-stage, Liverpool
131. Farewell, A Last Look at the Homeland
132. Emigrants. A 3rd Class Cabin
133. Emigrants. A 3rd Class Dining Saloon
134. Emigrants. Dancing on Board
135. Emigrants. Basking on Deck
136. A New Passenger (Emigrant), Born on Voyage
137. The Pilot comes on board
138. Crowd of Emigrants waiting to pass the Doctor
139. Emigrants, Landing at Quebec, showing Baggage
140. Two young Emigrants, Waiting while Dada looks after Baggage
141. Emigrants' Reception Hall
142. Branding Cattle
143. In a Swamp, Hauling a Horse
144. A Ranch Gate
145. Reaping a Wheat Field (4 sets of Self Binders)
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18 from Hudson River.
19 The Cunard Berth.
20 near The Battery, No. 1.
21 near The Battery, No. 2.
22 General Grant's Tomb.
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24 "The Times" Office.
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26 Central Station Yard, Twentieth Century Express leaving for Chicago, 10th September, 1896.
27 Near View.

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8 Dead Walrus and young land
9 Discovering Icebergs near to
10 A Kayak seen from deck
11 Ann Omikas, or woman's boat
12 View of Noaawak
13 Land of a trip in Dog Sleigh
14 Esquimaux Dogs
15 The Governor comes on deck
16 View of Upernavik
17 Upernavik, Ships on the Ice
18 On Deck "Making off" Walrus Skins
19 Upernavik, Governor & Family
20 Two of the Governor's Boys
21 Girls in Walking costume
22 Seal watching for Fish
23 Melville Bay in the midst of
24 our Ship reflected
25 Ship near large Iceberg
26 Cutting our way through Ice
27 An enormous Iceberg
28 Cape York and Conical Island
29 Arctic Highlanders on board
30 Valorympe Bridge
31 Back from Shooting, a day's
32 Eta Close Esquimaux
33 Eider Duck Snaring
34 Full-grown Polar Bear on deck
35 A Young Polar Bear
36 Whaling, the Whale's Tongue
37 Fin
38 "Lip
39 "Whalebone
40 "The Whale's Tail
41 Harpoons
42 "Our Constant Comp
43 "on Quarterdeck, Esquimaux
44 A young Esquimaux
45 Two Esquimaux Men
46 Esquimaux Woman in full dress, "Kate Mackay"
47 Encampment of Esquimaux
48 Our Ship off Cape Hooper
49 On our way home, last Icebergs sighted

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7 Washington Navels, Four-year old tree
8 Lemons
9 Washington Navels. A deformity
10 Washington Navel and Tangerine
11 Cultivating
12 Irrigating
13 Gathering oranges
14 How the rancher plants his roadside
15 Californian Palm Avenue. Los Angeles
16 Orange ranche and pepper trees
17 Cricket match on sand, Riverside, showing
18 Mountain Cucamonga
19 Cricket match, showing coconuts matting pitch
20 In San Antonio Canon
21 Pine Tree in San Antonio Canon
22 Mount Baldy from Hog's Back
23 Return from shooting. San Antonio Canon and Mount Baldy
24 Spanish Bayonets
25 Jose House. China Town. Los Angeles
26 Chinese street cleared by a camera. Los Angeles
27 The Plaza. Los Angeles
28 Palm Springs. Indian hut in the desert
29 "The hot spring
30 "Indian and hut
31 Palm Grove and San Jacinto Mountain
32 A rocky corner. Palm Canon
33 By the stream.
34 A lolly pop group.
35 Looking down.
36 Cacti in desert outside the Canon
37 Cacti in the Canon
38 Group of large Cacti
39 S. Pacific Railway and San Jacinto Mountain
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5 Street of Banff and Cascade Mountains
6 Bow River and Rundle Mountain
7 Sulphur Range from Tunnel Mountain
8 Rundle Mountain from Tunnel Mountain, showing strata
9 Hot Water Bath, C.P.R. Hotel
10 Rundle Mountain and Valley of the Bow, with Hoodoos
11 Hoodoos, or Natural Monuments
12 Shooting collection specimens
13 Pine Woods and Cascade Mountains
14 By the road to Lake Minnewanka and Cascade Mountain
15 An Avalanche. Cascade Mountains
16 Burnt Forest
17 Lake Minnewanka and Trout
18 Devil's Canon and Cascade Mountain
19 Lake Minnewanka and Mount Inglisimdalie

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18 " Moorish Beauty
19 " Interior of Mosque
20 Malta, Fortifications
21 " Street in Valetta
22 Alexandria
23 Suez Canal Map
24 " Ship passing through
25 " Bedouin Arab and Camel
26 Cairo. The Citadel
27 Turkish Soldier
28 " The Great Pyramid
29 " " Interior
30 " " Going up
31 The Sphinx
32 Ipsamhoul, Rook Temple
33 Nile Boat, Dahabseah
34 Sakiheh, or Water-raising Wheel
35 Eden
36 Bombay
37 Stickering
38 Tiger Shooting
39 Agra Taj Mahal
40 Cawnpore Memorial Statue
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42 " Monkey Temple
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54 Mandarin's Visit of Ceremony
55 Foochow Foreign Settlement
56 " Pagoda
57 Peasants in Rain Coats
58 Pekin Shop Front
59 Wheelbarrow with Passengers
60 Court of Justice
61 Punishment of the Cangue
62 " " Yacht Sledge Race
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68 " " Storm, 7s. 6d.
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85 " " Storm, 7s. 6d.
86 " " Moonlight, 7s. 6d.
87 " " Effect, Lightning
88 " " Storm, 7s. 6d.
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91 " " Storm, 7s. 6d.
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94 " " Storm, 7s. 6d.
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97 " " Storm, 7s. 6d.
98 " " Moonlight, 7s. 6d.
99 " " Effect, Lightning
100 " " Storm, 7s. 6d.
101 " " Moonlight, 7s. 6d.
102 " " Effect, Lighting
103 " " Storm, 7s. 6d.
104 " " Moonlight, 7s. 6d.
105 " " Effect, Lighting
106 " " Storm, 7s. 6d.
107 " " Moonlight, 7s. 6d.
108 " " Effect, Lighting
109 " " Storm, 7s. 6d.
110 " " Moonlight, 7s. 6d.
111 " " Effect, Lighting
112 " " Storm, 7s. 6d.
113 " " Moonlight, 7s. 6d.
114 " " Effect, Lighting
115 " " Storm, 7s. 6d.
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57 The men who were afraid of frightening the bear
58 Sverdrup's Bear Trap
59 It was strange once more to see the moonlight playing on the cold black waves"
60 Reading the Anemometer
61 Observing the Eclipse of the Sun, April 6, 1894
62 Drift-Ice in Summer
63 Rhodostethia Rosea
64 Home sickness
65 Blessing fishing for Algae
66 Skeleton of a Kayak for one man
67 A summer evening, July, 1894
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69 In line for the Photographer
70 A most remarkable Moon

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121 Sunset off the North Coast of Asia, North of the Mouth of the Chatanga, September 12, 1893
122 Off the Edge of the Ice—Gathering Storm, September 14, 1893
123 Evening among the Drift-Ice, September 22, 1893
124 At Dusk, September 22, 1893
125 The Waning Polar Day, September 22, 1893
126 Moonlight, November 22, 1893

127 Licht Phenomena in the Polar Night, November 29, 1893
128 The Polar Night, November 24, 1893
129 Moon Ring with Mock Moons, and a Suggestion of Horizontal Axes, November 24, 1893
130 Moonlight Phenomena at the beginning of the Polar Night, November, 1893
131 Streamers of the Aurora Borealis, November 28, 1893
132 Ice near the "Fram," July 4, 1894
133 Aurora Borealis, October 18, 1894
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- Map, Parry's Discoveries
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- Aurora Effect
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- "Erebus," Bellot and the Sailors
- Map of Bellot's Strait
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- Chase of the Walrus
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- Battle with King of Frozen Sea
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- "Beating up for Carey Isthm,"
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- Cutting a way through the Ice
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- Capt. Nares "on look-out" from the Crow's Nest
- "Alert" at her Winter Quarters
- "Discovery," Winter Quarters, on the "look-out"
- Lient. Beaumont and Dr. Copinger's Sledge Expedition
- Hauling a Sledge to Depot
- "Alert" Sledge Party making a Push for the North Pole
- Road to N. Pole, Palecyanic Ice
- Road to the Pole Blocked
- Thoro'"Alert"nipped nr. Cape Beechy
- "Homeward Bound"
- Portsmouth Harbour, Nov., 1876

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  3 Forest Scene near Papeera
  4 Canyon and River Scene, Terra-vau
  5 Native Family and Home
  6 Captain Cook's landing place, Matavai Bay
  7 Tahiti Type of Man
  8 Type of Girl
  9 Native Girls with Garlands of Flowers
  10 Forest Scene near Papeera
  11 River Scene, lowlands near Papeera
  12 Approach to Village, showing Breadfruit, Banana, Cotton, and Orange Trees
  13 A Tropical Storm approaching
  14 Native Woman
  15 Native Woman with Garland of Flowers
  16 River Scene, Terra-vau
  17 Stone planted by Captain Cook at Point Venus
  18 Native Group singing hymenece
  19 Camp in the Mountains, Viera-ca

- Morea.
  20 Cook's Bay, Aaraoe
  21 River Scene, Pohatamao

- Marquesas.
  23 Sacred Banyan Tree under which Human Victims were killed and cooked until the occupation of the Islands by the French. The remains of the oven are still visible

- Japan.
  24 Gateway, Temples of Shiba
  25 Interior of Temple, Temples of Shiba
  26 Nikko, The Endless Statues
  27 Private house and garden
  28 Buddha & Grounds, Kamakura
  29 Stone passage and stairway in wood leading to tomb of Shogun, Nikko
  30 Continuation of same passage
  31 Fishing boat and woman, Kamakura
  32 The Great Bronze Buddha
  33 Entrance Gates, Temples of Shiba
  34 Public Temple, Tokio
  35 Tomb of Wives of the Shogun
  36 Temple of Shogun, Nikko
  37 "for Nobles, Tokio
  38 Tomb of Shogun, Temple of Shiba
  39 Gateway to Public Temple, Tokio
  40 Chinese Gate, Nikko

- India.
  41 Agra, The Gem Mosque
  42 "The Pearl Mosque
  43 Tomb of Moomtaza Zamanu (The Light of the World) at Taj Mahal
  44 Gardens of the Taj Mahal
  45 Hindoo Widow
  46 Taj Mahal from the River
  47 Looking towards Agra, from the roof of Taj Mahal
  48 Marble Bath and Fountain in the Harem of Shah Jehan
  49 Audience Hall of Shah Jehan

- America.
  50 View on the Jumna River
  51 Marble Carvings in the Taj Mahal
  52 Harem of Shah Jehan
  53 View of Bathing Ghats on the Pearl Mosque, Agra
  54 Pearl Mosque, Agra
  55 Pleasure Fishing Quadrangle, Palace of Shah Jehan

- Egypt.
  69 The Second Pyramid
  70 The Great Pyramid and Sphinx

- China.
  71 The Great Temple of Canton—Interior
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3 The Dome of the Campo Santo
4 Right Mountain: The Old Fort
5 Port Said
6 Arabs coming off in barges to coal ships
7 Officers of the Suez Canal Co.
8 The Khedive's Yacht
9 Canal Offices
10 Cricket Match: Town and Ship
11 Coaching: The most rapid process of a continuous string of basket carriers

31 Bridge across the Rengunt into Sikkim, 500 ft. long, 104 ft. above water, 5 ft. wide
32 Ceylon: An Ocean Straggler: The Indian Ocean
33 Calle Face Hotel, Tomasha; Wallah snake charming
34 The Natives' Hansom Cab
35 Coming down with Coconuts
36 Kandy: Lake Road
37 Peradeniya Gardens: A Palm Avenue
38 Peradeniya Gardens: Ficus Elastica
39 Climbing for Coconuts
40 Fakir outside Temple of Buddha's Tooth
41 Anthill in Garden of Florence Villa

42 Ceylon, Kandy: Entomologists' Paradise
43 Ricksha and Natives
44 Buddhist Priests with Palm leaf smashed
45 Enveloping a Butterfly for preservation
46 Native Cingalese Servants
47 The largest White Elephant
48 White Cotton Tree
49 Talpot Palm: 1st Stage
50 Coconut Palm
51 Travellers Palm
52 Mount Lavinia: Cingalese Children
53 The beautiful Coastline
54 Fishing Boats
55 Fleet

INDIA.

36 Ceylon, Mt. lavinia: Fishing Boats running near Mt. lavinia
37 Colombo Lakes: A Cingalese Chariot on a Lake
38 Round the Lakes in a Ricksha
39 Galle Face Hotel, Tomasha: Wallah (conjuror) Fire breathing
40 Refuse Carts and Eastern Scavengers (Crows), taken before 6 a.m.
41 Goa: The Ancient City, Main Street
42 Okay Tea Factory: All the land across the stream is Nepal, we are not allowed to cross the stream

CEYLON (INDIA).

63 Colombo, Main Street.
64 Colombo, A Cingalese River Scene.
65 Kandy, View of Adam's Peak, Lady Horton's Drive.

SIAM.

66 Ayuthia: The Town
67 The Launch of the Grand Duke Boris of Russia
68 An Elephant Hunt in Siam: A few of the Herd of 470
69 Ditto Wild Elephants at close quarters
70 Ditto An infuriated Elephant charging the posts
71 Ditto A cow Elephant and its Calf
72 Ditto General View of Paniet
73 Ditto The Herd through the dust

74 Ayuthia: An Elephant Hunt in Siam. Securing the Captives
75 Ayuthia: Ditto The Elephant in the Paniet or Corral
76 Bangkok: Capital City of Bangkok from the top of Wat Sam Plum
77 Main entrance to Palace
78 The War Department Buildings and Military College
79 Wat Po: Ornamental Pyramids
80 The Guardian of the Gate
81 Another view of the "Menam" from Wat Saket

82 Bangkok: Entrance to the Government Museum
83 "Flame of the Forest" Avenue
84 Prince Boris of Russia driving shout
85 The Chinese "Sam-pong," or quarters
86 Bang-Pa-in: The King's Chinese Palace
87 Emperor's Palace
88 English Cannon, taken by Shan natives in Siam: this cannon is of native design
89 Launch lent by the Prime Minister on the River Menam
90 Packnam: The River Menam
91 Inside the Kraal: Filling up (Elephants)
SCENES IN MANY LANDS—Continued.

JAVA.

101 Garoe: River, showing Bamboo Raft
103 " Bridge made entirely by natives
103 " Wood Carriers
104 Papadajian: The Crater, Mount Papadajian, is an active Volcano 8,500 feet high
105 " Pure Sulphur In the Crater of Papadajian
106 Paddy Field: Bamboo Clumps and Cariboo in flooded Paddy Field

CHINA.

116 Chifoo: Roadstead
116 Pekin: Street Scene
117 " New Defences of the British Legation
118 " " Hotel de Pekin " in the Boulevard des Italian
119 " One of our Coolie Boys

JAPAN.

129 Motla Lake: A Typical Scene
130 Nikkagawa Valley: A lovely spot
131 Nikko: The famous Red Lacquer Bridge
133 On the Slopes of Fuji Yama.

HAWAIIAN ISLANDS.

144 Kauai, Kekaha: In the Plantation
145 " " A "Luna" or Overseer superintending in Sugar Plantation
146 " Putting Seed Cane into bags
147 " Stripping Seed Cane
148 " Mill: The Cane Elevator

CELEBES.

150 Macassar: "Het Hout Wey," a fine Avenue, 14 miles long

NEW GUINEA.

163 New Guinea: Three Native Girls

NEW BRITAIN.

166 New Britain Herbersosphate: A New Guinean Palm Grove

AUSTRALIA.

176 Jenolan Caves: The 900 ft. opening to Devil's Coach House
177 " Picking, a 100 yards inside the Devil's Coach House. The Dome is 250 feet
178 Katoomba: The Explorer's Tree
179 Sydney and Harbour: From top of Australia Hotel
180 " Castlereagh Street
181 " Elizabeth's
182 " S. Mary's, R.C. Cathedral
183 " The Australian Club: The best Club in the Continent

184 Sydney: Building in Circular Quay, & large wool warehouse
185 " Typical Australian Buggy, outside G.P.O.
186 Typical Bush Accommodation
187 A Sun Downer or Swagman
188 The King and headman
189 Lubras and their Wurrlies
190 " " " " Closer view. The old lady with curly hair is, or was, the Queen.
192 Flargcaves View, Katoomba
193 Mt. Lonely, Blue Mountains
SCENES IN MANY LANDS—Continued.

VICTORIA.
- 194 Albany, from the Harbour
- 195 Bendigo: Shamrock Hotel and Park Mine
- 196 Shaft of Gold Mine in centre of City
- 197 Shaft Head Garden
- 198 Garden Gully: Gold Mine

SOUTH AUSTRALIA.
- 200 Melbourne: Collins Street
- 201 Zoo: Stanle y Cranes
- 202 Flamingoes
- 203 The Flamingo Pool, the favourite spot

WESTERN AUSTRALIA.
- 204 Perth

MEXICO.
- 205 Oxen

UNITED STATES OF AMERICA.
- 206 New York: The Flat Iron Building
- 207 Ditto looking up
- 208 Ditto looking down

CANADA.
- 209 The Eights, Oxford

294 The Eights, Oxford

295 A Typical College Barge
SCENES IN MANY LANDS—Continued.

FRANCE.

298 Aigues Mortes, The Main City Gate. 304 Calais, The Railway Station.
297 The Gateway across the Marsh. 305 Marseilles, The City Cathedral.
298 The Tower of Constance. 306 Notre Dame de la Vare Cathedra.
299 The Line of Battle from the Tower of Constance. 307 Le Goliott (Quay).
300 The Castle Chimneys. 308 Wine awaiting Shipmen, Cathedral in background.
303 Remains of Roman Theatre and the Saracen's Tower.

SPAIN.

318 At a Bull Fight, Bull Charges the Horseman. 319 At a Bull Fight, Fixing the Banderillos.
320 Genoa from the Sea. 321 Vesuvius at Sunset.
322 On the Banks of the Suez Canal. 323 Arab Children at Port Said. 324 Aden, Camels at.
325 Aden, The " Tanks." 326 Somali Hawkers.

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Sets of Three Pictures in wood frame, 5s. the set.

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7 Vase of Flowers, Daffodils, Roses, Double Daffodils, and Tulips.
8 Vase of Flowers, Daffodils, Tulips, and Roses.
9 Vase of Flowers, Carnations.
10 Vase of Flowers, Lilies of the Valley.
11 Blue Iris.
12 Red Fuchsia.
13 Blue and White Fuchsia.
14 Various Coloured Carnations.
15 Gloxinia.
16 Plate of Oranges and Apples.
17 Overturned Basket of Fruit, Apples, Oranges, and Bananas.
18 "Vegetables, Celery, Cabbage, Turnips, and Carrots."
19 Vegetables, Celery, Cabbage, Turnips, and Carrots.
20 Overturned Basket of Vegetables, Cauliflower, Cabbage, Celery, and Carrots.
21 Savoy, Cabbage, Carrots, and Turnips.
22 Cabbage, Tomatoes, Cucumber, Sea Kale.
23 Savoy, Cauliflower, Rhubarb, and Carrots.
24 Butterfly, Life History of the Swallowtail.
25 "Painted Lady." 26 "Indian.
27 Life History of the Privet Moth.
28 Red Admiral Butterfly.
29 Life History of the Goat Moth.
30 Japanese Fan.
31 Set of Three Japanese Fans with a Vase.
32 Japanese Fan and Vase.
33 A Dish of Fancy Sweets.
34 Opal In-metric.
35 "Sweet Captivity" ("Illustrated London News").
36 "His Ship in Sight."
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One picture is to be put in each Lantern and focussed on the screen, the pictures should be registered on the screen as near as possible and then viewed through the spectacles, which must be held in the right hand.

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16 Dover to Calais. Steamer Crossing Channel, eccentric motion to Waves, Steamer leaves Harbour, Panorama of Open Sea, Arrive at Calais Pier ... 2 10 0
17 Eidotrope. Two rackwork revolving perforated metal discs, giving a great variety of patterns...

18 Folkestone to Boulogne. Steamer crossing Channel, Leaving Port, Pitching in open Sea, Paddles revolving, Arrival at Boulogne...

19 Fountain. Beautiful Majolica Fountain with Water playing, very effective...

20 Girl Playing Shuttlecock. Double lever movement...

21 Glass Globe of Fishes. Surrounded by Chromatrope, Moving Fishes...

22 Glastonbury Abbey. Moonrise, Ruins lit up, Lever Slipping Slide...

23 Kaleidotrope of perforated metal, giving various designs when revolved, £0.6, or with extra metal disc...

24 Lifeboat. The Launch. Goes in a storm to Wreck, long Panorama of storm moving by rackwork, Wave motion to Boat. Arrives at Wreck...

25 Lighthouse. Day, Ships and Steamers passing. New slow screw-motion frame...

26 Lindisfarne Priory. Moonrise, Ruins lit up, Lever Slipping Slide...

27 Man with changing Heads. Fourteen different Comic Heads. New spring piston frame...

28 May-Day. Moving Procession of Children in fancy dresses, with Jack-in-the-Green—People dancing round Maypole in distance. Slow screw motion frame...

29 Moss Rose. Bud gradually opening to full flower. Rackwork slide...

30 Owl Flying. Wings flapping and moving Eyes...

31 Peak of Teneriffe. Daylight, Ships and Boats passing. New slow screw motion frame...

32 Railway Bridge over River, Trains crossing Bridge, and Boats passing on River. New slow screw motion frame...

33 Rat Slide. Man in Bed, gaping in his sleep; Rats running down his throat...

34 Rolling Wave Effect. View of the Needles, Isle of Wight, with constant movement of the Water, and Sea-birds flying over...

35 Rolling Wave Effect. Sea View, with Icebergs, moving Ships, and rolling Waves...

36 Rolling Wave Effect. Scene on the Red Sea. Pharaoh and the Egyptians overthrown...

37 Wheel of Life, best quality, with one Design...

No. 37.

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A Trotting Horse
Bird Flying
Man Walking
Goat Running and Jumping
The Bottle Top
The Fisher
The Skaters
Man Running up a Ladder

10 The Acrobat
11 Man in a Tub
12 Man Jumping
13 Tight Rope Dance

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16 Passing it on—Eight Men with Seven Heads between them

17 Windmill with Sails revolving
18 Birds and Fishes
19 Jack-in-the-Box
20 The Cobbler
21 Jumping Jack

These are all from photographs from life.
RACKWORK SLIDES—Continued.

39 Watermill, Wheel Revolving, Summer Scene, Miller’s House, &c. ... £0 10 6
40 Windmill, Sails Revolving, Pretty Country Scene, Daylight, &c. (Fig. 40).... 0 10 6
41 Windmill, Sails Revolving, Moonlight ... ... ... 0 10 6

44 The Witches’ Dance. This is a very amusing Slide, coloured figures of
witches on broomsticks dance and turn somersaults when the india-
rubber ball is squeezed ... ... ... ... ... 0 17 6

Put about 3 oz. of water into the brass cup and draw most of it into the india-
rubber ball, in doing so the glass tank will become full; when the ball is full of
water squeeze it and the figures will dance.

42. CHROMOTROPES, OR ARTIFICIAL FIREWORKS.

3 in. diam., 10s. each.

These ingenious and clever contrivances comprise a great variety of novel and elegant designs, and when
put in motion in the Phantasmagoria Lantern, by means of the brass Rackwork, produce most astonishing
and brilliant effects. These may be had in upwards of 80 different designs.

43. CHINESE FIREWORKS.

Consisting of one 3-inch Chromatope with twelve different designs, such as Butterflies,
Prince of Wales’s Feathers, &c., in Box, 20s.
OP MOVING EFFECTS FOR A SINGLE LANTERN.

These Slides are all Mounted in Mahogany Frames.

1 Aurora Borealis. Laplander on Moving Sledge drawn by Reindeer £0 8 6
2 Bacharach, on the Rhine, with floating Timber Rafts .. 0 8 6
3 Bay of Naples. Daylight. Shipping moving in the Bay .. 0 8 6
4 Bay of Naples. Night Scene. Vesuvius in Eruption .. 0 8 6
5 Bell Rock Lighthouse. Daylight. Shipping passing .. 0 8 6
6 Bell Rock Lighthouse. Moonlight. Lighthouse lighted up, Shipping, etc. 0 8 6
7 Castle of Chillon. Pleasure Boats moving on Lake .. 0 8 6
8 Constantinople. The Golden Horn, with moving Shipping .. 0 8 6
9 Custom House, London, with moving Shipping in River .. 0 8 6
10 Derby Race Course. The Grand Stand. Jockeys on Horses passing .. 0 8 6
11 Derby Race Course, as above. Very delicately and beautifully hand-painted 2 10 0
12 Eddystone Lighthouse. Daylight. Ships passing .. 0 8 6
13 Eddystone Lighthouse. Moonlight. Lighthouse lighted up .. 0 8 6
14 Eddystone Lighthouse. Storm at Sea. Ships wrecked .. 0 8 6
15 Greenwich Hospital. Shipping floating past and a Balloon passing over .. 0 8 6
16 Lake of Como. Moving Boats on Lake .. 0 8 6
17 Lambeth Palace. Steamers and Boats moving on River .. 0 8 6
18 Lord Mayor's Procession on the River Thames in the Olden Time.
State Barges passing up the River .. .. .. .. .. 0 8 6
19 Serenade. Boat on Water, rowing under Window of Castle. Lady comes out on Balcony .. .. .. .. .. .. .. .. 0 10 6
20 Ship in Storm, catches Fire, Boats with Passengers leaving .. .. .. .. .. .. .. .. 0 15 0
21 Sleighing in Russia. St. Petersburg, Sleighs passing on the Frozen Neva 0 10 0
22 Smugglers' Cave. Night Scene, Interior of Cave. Smugglers landing Cargo and carrying it into Cave .. .. .. .. .. .. .. .. 0 8 6
23 Stag Hunt at Windsor. Stag in sight, and Huntsmen and Hounds in full cry 0 15 0
25 Tower of London. With moving Shipping .. .. .. .. .. .. .. .. 0 8 6
26 Viaduct. Country Scene. Railway. Trains passing .. .. .. .. .. .. .. .. 0 8 6
27 Venice. Panorama View, with Gondolas passing .. .. .. .. .. .. .. .. 0 8 6
28 Venice, Rialto, with Gondolas on Canal .. .. .. .. .. .. .. .. 0 8 6
29 Waterspouts at Sea. Ship in distance. Waterspouts and Clouds passing 0 10 6
30 Windsor Castle from the Thames. Boats passing on River .. .. .. .. 0 8 6
31 Yeddo. Central Fort, from the Shore. Steamers and Boats passing .. .. 0 8 6

Lever Slides and Comic Slips, see pages 505 to 507.

DISSOLVING PICTURES FOR DOUBLE PHANTASMAGORIA LANTERNS.

THE GUARDIAN ANGEL.

A series of very beautiful Hand-Painted Subjects for Dissolving Lanterns.

1 Night Scene: House in a City Street. House—lighted up 2 Effect. Angel Carrying Child, Tapping on Window to be let in }
2 Effect. Angel Carrying Child to Heaven
3 Child Asleep in Cradle
4 Effect. Angel watching over the Child
5 Children playing on the edge of a Cliff. (Plockhorst.)
6 Effect. Angel protecting them

The set, £6.

The set, £3 10s.

The set, £3 10s.
DISSOLVING PICTURES FOR DOUBLE PHANTASMAGORIA LANTERNS.

The undermentioned Sliders can only be shown by means of a pair of Lanterns fitted with the Dissolving apparatus, it being frequently necessary to exhibit both Lanterns at the same time. Atmospheric Phenomena, such as Rainbows, Lightning, Auroras, Snowstorms, etc., Eruption of Volcanoes, Fireworks, Illuminations, Swan swimming on the Water, and other beautiful and brilliant effects, can be produced in the most natural manner.

OR DISSOLVING PICTURES.

These Slides are all Mounted in Mahogany Frames.

1. Albert Hall, Royal Horticultural Gardens, Daylight. Night Scene, Hall and Gardens Illuminated...

2. Alpine Mountain Scene, with Mock Sun effect...

3. Angels appearing to Shepherds at Bethlehem. Night scene, Shepherds watching Flocks, effect of Angels appearing and disappearing, the Star moving across the Sky, and stops over the Inn at Bethlehem...

4. Avalanche, Canton of Ticino, Summer, Winter Scene, & Avalanche...

5. Balloon Ascent. Balloon on the ground gradually ascends and disappears...

6. Bay of Naples, Day, Moonlight, Eruption of Vesuvius, by rackwork...

7. A Beautiful Vase of Flowers, showing the three stages of Bud, Full Blossom, and Decay...

8. Bethlehem. A Moonlight Scene with Shepherds, Angels appear to announce the Birth of Christ—afterwards the Star is seen...

9. Bethlehem. Moonlight Scene with Shepherds watching Flocks, effect of Angels appearing, and Star effect. New design...

10. Blowing Soap Bubbles. Lever Slide and rackwork effect...

11. Bombardment of Alexandria. The Interior of Enemy's Battery, Guns Firing, replied to by the Ironclads, Night Scene, Explosion, Blowing up of Fort...

12. Bridge of Sighs, Venice, Daylight. Moonlight effect on Buildings, Ripple on Water, Windows lit up...

13. Burning the Hotel de Ville, with rackwork effect for the fire...

14. Burning of Alexandria. Grand Square on Fire, with rack smoke effect...

15. Cabin Scene on Board Ship in a Rolling Sea, lever movement, passing Ships and Steamers seen through Porthole...

16. Cairo, Day scene. Night, houses lit up, also Moonlight effect, with moving Torchligh Procession of Camels, &c., leaving City gate...

17. Carnival at Venice, grand Illumination of the Rialto...

18. Canadian Skating Rink. Figures passing on slow screw motion frame...

19. Carisbrooke Castle, by Day, by Moonlight, and in Winter...

20. Cat Fishing in an Aquarium. Fish swimming round...

21. Cathedral, Interior, a procession passing up Nave, also Procession crossing Chancel to the Altar...

22. Childhood, two children playing, changing from an uncoloured to a coloured scene, very effective...

23. Chillon Castle, Exterior, Daylight, Moonlight effect...

24. Chillon Castle, Interior of Dungeon with Prisoner, Moonlight effect...


25. Christmas Carol. The Carol Singers before the House, the blind draws up, showing Family Group in lighted Room...

26. Church of Iona, Day, Moonlight, and Interior by Moonlight...

27. Convent of St. Bernard, Summer, Winter, and Moonlight...

28. Convent, Interior of Chapel, Moonlight effect, the door opens and shows passing Procession...

29. Country Church, Summer, Daylight; Night, lighted up for Service; and Winter Scene, With Snowstorm...

29A. The Crucifixion. The Three Crosses, Christ in the midst. The Women at the foot of the Cross. Christ hanging on the Cross, surrounded by a company of Angels...
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<td>31</td>
<td>Dryburgh Abbey (Ruins), with Tomb of Sir Walter Scott, by Day and Moonlight</td>
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<td>Duxford Ferry and Farm on Thames. Day Scene. Night, effect to light up Windows, Moon rises lighting up buildings, moving ripple on water</td>
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<td>Eddystone Lighthouse, Day, Moonlight, Storm, Lightning</td>
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<td>Eiffel Tower, Daylight, Night Scene, with Electric Light, with Coloured Fire Effect</td>
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<td>Electric Light at Alexandria flashing from H.M.S. “Inflexible,” and illuminating the Batteries and Earthworks</td>
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<td>Explosion of Shell on board H.M.S. “Alexandra,” shell effects</td>
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<td>Fire in Cheapside, Rackwork effect to Flame and Smoke, Fire Engines playing on the smoking Ruins</td>
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<td>38</td>
<td>Fisherman's Wife and children waiting the Return of the Fishing Boat, Night Scene, and rackwork Moonrise effect</td>
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<td>Fountain Playing, Majolica Fountain, beautiful design, Water moving by rackwork produced from the second Lantern</td>
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<td>Good Night, Little Ones, suspended by coloured ribbons from the trees by Squirrels</td>
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<td>Godstow on Thames, Trout Inn, Day Scene, Night Scene, effect to light up windows, moon rises, moving ripple on water</td>
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<td>Holy Cross Abbey, Ireland, by Day, and Moonlight, Interior</td>
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<td>Houses of Parliament, River front, Daylight, Night Scene, Lighted up, Light on Clock Tower, Moonlight, Ripple on Water</td>
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<td>Icebergs, Ship in distance, Polar Bear on Ice, Boat in pursuit, gun fired from Boat, Bear wounded, gun fired again, Bear killed, falls over</td>
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<td>Ironclad attacked by Torpedo Boat at Night. Boat moves away, explodes Torpedo. Ironclad blown up</td>
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<td>Lake of Geneva, Day, View of Boat, Moonlight, with moving effect</td>
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<td>Landscape, after storm, with Rainbow effect</td>
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<td>Landscape, Summer and Winter and Snow slide effect</td>
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<td>Lifeboat, launched to the rescue, new rackwork effect of Ship Sinking</td>
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<td>50</td>
<td>Lighthouse. Wave effect, Night Scene. Light changing colour by rackwork</td>
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<td>Lion Shooting. African Scene, English Sportsman and Native. Lion coming to stream, shot by Sportsman, falls over</td>
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<td>Lisbon. The old City before the Earthquake scene, the Earthquake, and View of the Modern Port</td>
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<td>Lutterworth Church, Leicestershire. Daybreak, Sunrise, and Moonlight</td>
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<td>Magician’s Cave. An Interior (new design), Magician waving his hand, with Comic Figures rising from the fiery Caldron</td>
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<td>Mail Steamer entering Harbour, with steam and smoke coming from funnel, Passengers leaving in Boats, Moon rising, and rippling water</td>
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<td>May-Day. Moving Procession of Children in fancy dresses, with Jack-in-the-Green, People dancing round Maypole in distance, Slow screw motion frame</td>
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<td>57</td>
<td>Melrose Abbey. Day, Moonlight, and Interior by Moonlight</td>
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<td>58</td>
<td>Mirage in Desert. Caravan crossing the Desert. Mirage effect</td>
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<td>59</td>
<td>Mosque of Omar. Day, Moonlight, then lighted up</td>
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<td>60</td>
<td>Mount Ararat, with Rainbow effect</td>
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<td>61</td>
<td>Mount Sinai. Encampment at Night, with Sunrise effect</td>
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<td>62</td>
<td>Mount Etna, Eruption of, 1879. Stream of glowing Lava. Rack effect to smoke</td>
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66 Nearing Home. Group of Sailors in Cabin looking through Porthole, panoramic slide, Vessels—moving effect—passing 2 slides £4 4 0
67 Niagara Falls. Daylight, Moonlight, and Rainbow 3 slides 0 19 0
68 New Set of Seasons. Spring, Summer, Autumn, and Winter, beautifully hand-drawn and painted original figure scenes 4 slides 10 0 0
68a Ditto Ditto as above, beautifully painted 4 slides 1 10 0
69 Pictures in the Fire. Young girl reclining before the fire, fancies she sees her numerous admirers appear and disappear. Rack effect 2 slides 1 5 0
70 Pompeii, Last Days of. Daylight, Night View on Fire, and rack effect fire 3 slides 6 0 0
71 Prairie on Fire, with rackwork fire and smoke effect 2 slides 0 15 0
71a Reichenbach Falls. Daylight, Moonlight and Water effect 3 slides 1 1 0
72 Rialto at Venice. By Daylight, Moonlight and effect, Windows lighted up at Night, Ripple on the Water, &c. 3 slides 0 15 0
72a The Rock of Ages. A great Rock in form of a Cross in a stormy sea, A Woman from the Wreck clinging to the Cross, Helping another to the Rock, Taken by an Angel into Heaven. Beautifully hand-drawn and painted 4 slides 10 0 0
73 Russian Winter Scene. Travellers in Sledge, pursued by Wolves, the Wolf leaps up at back of sledge, Travellers fire, the Wolf falls dead. Pack pursues Sledge 2 slides 1 1 0
74 St. Paul's Cathedral from S.E. Daylight, Night, Illumination of Dome and Towers 3 slides 1 1 0
75 St. Peter's at Rome, by day, then Illuminated, Fireworks from the Castle 3 slides 0 18 0
75a St. Peter's at Rome. Moonlight, Illuminated effect, interior view 4 slides 1 10 0
76 Seasons. Four Country Scenes, illustrating Spring, Summer, Autumn, and Winter, with slide for Snowstorm, Wreath of Flowers, and Motto 6 slides 2 0 0
77 Set of Seasons. New Designs 4 slides 1 0 0
78 Set of Three Sea Views. Sunrise, Sunset, and Moonlight 3 slides 1 3 6
79 Ship in Full Sail. The Storm with Lightning, Ship on Fire, Passengers escape on the Kaft 5 slides 1 10 0
80 Snow Village in the Polar Regions, the Aurora Borealis, moving by rackwork, giving the appearance as in nature 2 slides 0 17 6
81 Snow Village. Aurora Borealis Ribbon effect 2 slides 0 12 6
83 Spectre of Brocken. Alpine Atmospheric reflecting effect 2 slides 0 12 6
84 Statue, Gioeometta. Turinese Costume, plain slide and tinted effect to resemble life 2 slides 0 7 6
85 Statue, Little Miss Vanity, Plain slide, and tinted effect to resemble life 2 slides 0 7 6
86 Statue, Madonna Ditto Ditto 2 slides 0 7 6
87 Statue, Maidenhood Ditto Ditto 2 slides 0 7 6
88 Stoke Poges Churhoyard. The Scene of Gray's "Elegy," Sunset, Moonrise, Church Lighted for Service, Winter Scene, and slide for Snowstorm 4 slides 1 7 6
89 Summer and Winter. Cottage Scene, with slide for Snowstorm 3 slides 0 19 6
90 The Fishes' Home and Haunts. A peep under water, with rackwork effect 2 slides 0 15 0
91 The Haunted House, or the Ghost of Woodleigh Grange, the old House by Moonlight, the Figure of a Woman appears and glides over the water in the Moat 2 slides 0 18 6
92 The Valley Farm, Old Farm House, Summer Scene, Boat on Water, Night Scene, the House lighted up, Moonlight effect on Water, Winter, Daylight 4 slides 1 15 0
93 Tower of London, by Day, Moonlight, and on Fire, and rackwork effect 4 slides 1 7 6
94 Venus. Statue in Conservatory, with tinted effect 2 slides 0 7 6
95 Vesuvius Crater, Photograph of Mountain, Daylight Scene, Moonlight, and Eruption 2 slides 0 12 6
96 Warwick Castle, by Day and on Fire, rackwork effect to flame and smoke 3 slides 2 2 0
97 Water Babies. Statue of Two Children in a Shell. Dissolves to same, tinted to resemble life 2 slides 0 7 6
98 Waterfall. Swiss Summer Scene, with Water moving by rackwork 2 slides 0 17 6
DISOLVING PICTURES—Continued.

99 Watermill, with Wheel at work, Summer View, a Swan swims on, dipping its neck in the water, the Moon appears from behind the Clouds, and the Mill Windows are lighted up. The Mill frozen up in Winter, with Snowstorm effect

100 Watermill Interior. Miller smoking, removes pipe from his mouth, rackwork effect to smoke

101 Whaling Boats attacking the Whale. Death stroke, Boats thrown up in the air

102 Whirlwind, with Lightning effect

103 Windmill beside the water. Summer Scene, Night effect, Moonrise, Break of Day, and Sunrise. Rack effect

104 Bathers and Crocodile. Bathing in India and the results

105 The Boy Sportsman Firing at the Fowls

106 Coffee Stall. The Explosion

107 Christmas Waits and how to get rid of them

108 Cockney Fishing for "Jack"

109 Nigger and Planter. The Nigger pays an Untimely Visit

110 Negro Serenaders

111 Negro Burglars get their Deserts

112 The Nigger and the Wolves

113 Sportsmen Shooting Wild Duck, falls into the Water

READINGS.

OS DARBY AND JOAN. (Strictly Copyright.)

This Series has been specially designed to illustrate the well-known song, "Darby and Joan," and is only supplied in the highest quality of hand painting. The first picture remains on the screen all the time, the three effects being thrown on to it from the second lantern.

1 Subject Picture. Darby and Joan seated before the fireplace, in which are shown the following effects—
2 Effect. "Darby, dear, we are old and grey, Fifty years since our wedding day"
3 Effect. "Darby, dear, but my heart was wild, When we huried our baby child"
4 Effect. "Hand-in-hand when our life was May, Hand-in-hand now our hair is grey"

OT THE WOMEN OF MUMBLES HEAD.

Illustrating the Poem by Clement Scott.

Beautifully Painted Views, 7s. 6d.; Figures, £1 10s. each.

1 Introduction, Portraits of the Women
2 Mumbles Head—Night—Lighthouse in distance
3 The Two Women looking out to Sea

OU MARY QUEEN OF SCOTS

Beautifully Painted Views, 5s.; Figure Subjects, 7s. 6d. each; Plain Slides, 1s. each. Reading, 6d.

1 Portrait of Mary Queen of Scots
2 A View of the Exterior of the Convent
3 Mary and four noble Maidsen beneath the Tree
4 Queen Mary in the Palace at the French Court
5 Queen Mary on the Deck of the Vessel at Sea, on her way to Scotland
6 Holyrood Palace, exterior
7 Queen Mary with her Attendant in the Turret Chamber at Holyrood, listening to the rain
8 Rizzo playing the Lute before Mary and her Maidsen

OV JANE CONQUEST.

Beautifully Painted, £5 5s. the set; Plain Slides, 1s. each. Book, 6d.

1 Introduction. Portrait
2 A Fisherman's Cottage, Jane with her sick child on her lap, seated at the table in front of the fire
3 Jane starts to her feet and goes to the window
4 Sees a galant ship in flames rocking on the waves
5 She sinks upon her knees and prays for those on
6 Angel appears beside the bed [boards the ship
7 Country Winter Scene—Jane making her way through the Snowstorm
8 Jane reaches the Churchyard and makes her way to the old Church door [pulls the bell
9 Enters by a narrow window, grasps the rope, and

ABV "KILLARNEY."

A Series of Irish Views illustrating this well-known song.
Beautifully Painted, 40s. the set; Plain Slides, 8s. the set.

1 "By Killarney's lakes and fells."
2 "Angels fold their wings and rest."
3 "Inns fallen ruined shrines."
4 "Beauty's home, Killarney."

5 "No place else can charm the eye."
6 "Angels often pausing there."
7 "Music there for echo dwells."
8 "Heaven's refax, Killarney."
OW

GABRIEL GRUBB. Reading, 6d.

The Story of the Sexton Who was Stolen by the Goblins.

Beautifully Painted, 2s. 10d. the set; Plain Slides, 1s. each.

1 Introduction—Charles Dickens
2 Interior of Manor House Kitchen—opening the Ball
3 Moving Panorama of an old Abbey Town—the Street—the Lane—a boy whistling by the Farm —Gabriel enters the Churchyard—a winter Snow Scene, 1ss.
4 Gabriel sits down on a flat tombstone and raises the wicker bottle to his lips to drink, but is disappointed
5 He started up, for he saw a strange unearthly figure seated on a stone
6 The Goblin laughed, and others appeared playing at leapfrog among the tombs
7 The King of the Goblins takes Gabriel on an unpleasant journey
8 By order of the King, Gabriel is shown, in a large cavern, scenes as—
9 Effect. Interior of a Parlour—the eldest Boy looking through the window for the return of his Father

OX

THE WANDERINGS OF LITTLE NELL AND HER GRANDFATHER. (Life Models.)

Beautifully Painted, 2s. the set; Plain Slides, 1s. each.

1 Little Nell, having lost her way, inquires of Master Humphrey
2 Interior of the Old Curiosity Shop kept by Little Nell’s Grandfather
3 Quilty’s house. Little Nell confides in Mrs. Quilp
4 Fred Trum and Dick Swiveller at home, “Pass the rosy, Fred”
5 “Let us be beggars,” said the child on the last night at the Curiosity Shop
6 The Old Man and Little Nell leave the old shop
7 Little Nell and her Grandfather breakfast in the fields
8 Codlin and Short make their acquaintance in the Churchyard
9 Little Nell walks out into the Churchyard alone
10 The Old Man and Nell join Codlin and Short’s Punch and Judy Show
11 Codlin and Nell in the garret, Codlin the friend, not Short

OZ

A CHRISTMAS CAROL. (Strictly Copyright.)

Beautifully Painted, 8s. 6d. each, or the set, £9. Plain Slides, 1s. each.

1 Scrooge’s Combing House, “Don’t be angry, Uncle. Come, dine with us to-morrow”
2 The doorway of Scrooge’s House
3 Marley’s Face, Doorway effect
4 Scrooge’s Sitting-room. “Upon its coming in, the dying flame leaped up, as though it cried ‘I know him, Marley’s Ghost!’”
5 Marley’s Ghost, Effect slide
6 Scrooge at the window. The air was filled with Phantoms, wandering hither and thither in restless harm
7 The first of the Three Spirits—Ghost of Christmas past. He started up as the curtains of the bed were drawn aside
8 The Ballroom. Interior with desks. At one of these a lonely boy was reading near a funeral fire
9 Effect Slide, Ali Baba, Valentine and Orson, the Sultan’s Groom, &c., &c., passing before the window
10 Mr. Fezziwig’s Ball. Mr. and Mrs. F. open the hall
11 Scrooge’s First Love
12 Scrooge’s First Love, The Parlour Scene. Return of the father attended by a man laden with Christmas presents

13 Scrooge’s Third Visitor. “I am the Ghost of Christmas Present—look at me”
14 Bob Cratchit’s Christmas Day. “Why, where’s Martha—not coming?” said Bob
15 The Nephew’s Christmas Party. “He said Christmas was a humbug, as I live!” cried Scrooge’s nephew, “and he believed it too.”
16 The Ghost of Christmas Present shows Scrooge the boy, Ignorance, and the girl, Want
17 Scrooge’s reported death. “What has he done with his money?”
19 The Deathbed—“He recollected terror, as the scene had changed”
20 The last of the Spirits. Scrooge’s grave
21 Scrooge’s Christmas Present. It was a Turkey
22 Christmas Day. Scene in the Street. Scrooge taking the gentleman by the hand, said, “Dear Sir, how do you do?”
23 The Counting House. Scrooge and Bob Cratchit—”I’m not going to stand this sort of thing any longer”
24 The Counting House. Scrooge and Bob Cratchit discuss their affairs over the Christmas haw
COMIC AND OTHER SLIDERS.

These Sliders, beautifully painted as three-inch Pictures, suitable for exhibition with the best Oxygen Gas Light Phantasmagoria Lantern and Dissolving View Apparatus.

YO ALICE'S ADVENTURES IN WONDERLAND.

By the late Lewis Carroll.
Copied by kind permission of Messrs. Macmillan and Co.

Painted, 3s. 6d. each; Plain Photographs, 1s. each.

TEXT BOOK, Illustrated, 3s. 6d.

ABRIDGED READING, 9d.

1 Alice goes down the Rabbit-hole, and sees the Rabbit take a watch out of his pocket
2 Discovers a door behind a curtain, and opens it with a golden key
3 In the room finds a bottle labelled "Drink me"
4 "Curiouser and curiouser!" "Now I am opening like a telescope. Good-bye, feet!"
5 While Rabbit, splendidly dressed, brings Alice a pair of gloves and fan
6 Alice, in great grief, is in danger of being drowned in her own tears
7 A Mouse swimming across, shows Alice the way out of the Pool
8 The Mouse tells the story of his life to an attentive audience
9 The Dodo presents Alice with her own Thimble—the others all cheer
10 Alice drank from another Bottle, and grew too large for the room
11 The Rabbit trying to get in at the window, falls through the cucumber frames
12 "Something comes at me like a Jack-in-the-Box, and up I goes like a sky-rocket"
13 An enormous Puppy suddenly appears, and Alice commences playing with it
14 A knowing Caterpillar gives Alice valuable advice
15 Alice recites "Old Father William" in a new version
16 "You are old," said the youth, "as I mentioned before, yet you turned a back somersault in at the door"
17 "You are old," said the youth, "and your jaws are too weak, yet you finished the goose, with the bones and the head"
18 "You are old," said the youth, "one would hardly suppose you balanced an Eel on the end of your nose"
19 The First Footman delivers a letter from the Queen to the Duchess's Frog Porter
20 Interior of the Kitchens of the Mansion, the Duchess sitting on a three-legged stool nursing the Baby
21 The Baby turns out to be a Pig, and Alice does not know what to do with it
22 The Cat speaks to Alice—"A dog growsl when it's angry, and wags its tail when pleased. I growl when pleased, and wag my tail when angry"
23 The Cat disappears among the leaves of the Tree, cartwheeling backwards
24 A Ten Party. The Mad Hatter opens his eyes in astonishment
25 The Mad Hatter sings, "Twinkle, twinkle, little bat! how I wonder what you're at!"
26 The March Hare and the Mad Hatter try to put the Dormouse into the Teapot
27 Queen's Croquet-ground—"Look out now. Five Don't go splashing paint over me like that!"
28 The King and Queen of Hearts meet Alice and inquire her name
29 Alice and the Flamingo—she finds its neck inconveniently long for nursing
30 The Queen orders the Cat to be heheaded. The Cat has no body, so the Executioner says it can't be done
31 Alice meets the Duchess, she says, "Oh, 'tis love, 'tis love, that makes the world go round"
32 The Queen orders the Gryphon to take Alice to see the Mock Turtle
33 The Mock Turtle tells the history of his life "Once I was a real Turtle"
34 "Will you walk a little faster?" said a Whiting to a Snail; "there's a Porpoise close behind us, and he's treading on my tail"
35 "'Tis the voice of the Lobster, I heard him declare, you have baked me too brown, I must sugar my hair"
36 The King and Queen seated on their Thrones; the Knave before them, guarded by two soldiers
37 The Herald of the Court. The White Rabbit summons the witnesses
38 The Mad Hatter gives his evidence before the Court, shaking off his shoes
39 "I'd rather finish my Tea. You may go," said the King. He left the Court in a hurry
40 Alice gives her evidence, jumps up, and in her hurry tapped over the Jury Box
41 The Tarts are found and brought into Court. The King says this evidence is conclusive
42 "You are nothing but a Pack of Cards," says Alice, with that they all fell on her, and she awoke
"THROUGH THE LOOKING GLASS AND WHAT
ALICE SAW THERE."

By the late Lewis Carroll.

Illustrations by John Tenniel. Copied by the kind permission of Messrs Macmillan & Co.

Painted, 3s. 6d. each. Plain Photographs, 1s. each.

Text Book, Illustrated, 3s. 6d.

Abridged Reading, 9d.

1 The kitten had been having a grand game of
rump with the ball of worsted Alice had been
trying to wind up
2 Kitty sat very demurely on her knee, now and
then putting out one paw and gently touching
the ball
3 "How nice it would be if we could only get
through into Looking-glass House!"
4 In another moment Alice was through the glass
5 Down in the heart of the cinders the chess-
mens were walking about two and two!
6 The King’s astonishment at finding himself held
in the air by an invisible hand
7 "The White Knight is sliding down the poker"
8 "The Jabberwock, with eyes of flame,
Came whiffling through the tulgey wood"
9 Alice was so astonished when the Tiger-lily spoke
that she couldn’t seem to speak for a minute
10 "Where do you come from?" said the Red Queen
11 "The country is marked out just like a large
chess-board"
12 They went so fast that they seemed to skim
through the air
13 It was a very queer carriage-full of passengers
14 The Rocking-horse-fly must have been re-painted,
it looked so bright and sticky
15 The Snap-drone-fly is made of plum-pudding,
holly leaves, and a raisin
16 Crawling on the ground is a Bread-and-butter-fly
17 Alice walked on with her arms clasped round the
Fry’s neck
18 Tweedledum and Tweedledee were standing under
a tree, each with an arm round the other’s neck
19 "The Walrus and the Carpenter were walking
close at hand. They wept like anything to see
such quantities of sand"
20 "Now if you’re ready, Oysters dear, we can begin
to feed." But not on us!" the Oysters cried"
21 "With sob and tears he sorted out those of the
largest size, Holding his pocket-handkerchief
before his streaming eyes"
22 The Red King was lying crumpled up into a sort
of unhappy heap
23 "You needn’t be so angry about an old rattle,"
Alice said to Tweedledum
24 "They’ll be more like handles of old clothes than
anything else, by the time they’re ready"
25 Alice did her best to get the White Queen’s hair
into order
26 "The King’s messenger is in prison now, being
punished"
27 She was in a little dark shop, leaning with her
elbows on the counter, and opposite to her was
an old Sheep, sitting in an arm-chair knitting
28 Suddenly the needles turned into cars in her
hands, and she found they were in a little boat,
gliding alone between banks.
29 Humpty Dumpty leant forwards, and offered
Alice his hand
30 "Twas brillig, and the slithy toves, Did gyre and
gleam in the wabe:
All mimsy were the borogoves, And the mome raths
were out of the way"
31 "I said it very loud and clear; I went and
shouted in his ear,
But he was very stiff and proud; He said ‘You
needn’t call so loud!’"
32 The ground was soon covered with little heaps of
men
33 "feel faint," said the King, "Give me a ham
sandwich!"
34 They placed themselves close to where Hattis was
standing watching the fight between the Lion
and the Unicorn
35 Alice carried the dish round, and the cake divided
itself
36 She dropped to her knees, and put her hands over
her ears, trying to shut out the noise of the drums.
37 "We must fight for her, then," said the Red Knight.
38 Alice thought she had never seen such a strange-
looking soldier in all her life
39 Whenever the horse stopped (which it did very
often) he fell off in front
40 "How can you go on talking so quietly, head
downwards?" Alice asked, as she dragged him
out by the feet
41 "I saw an aged, aged man, A-sitting on a gate"
42 "What is this on my head?" she exclaimed. It
was a golden crown
43 She didn’t feel a bit surprised at finding the Red
Queen and the White Queen sitting close to her,
one on each side
44 In another moment both Queens were fast asleep
leaning against Alice
45 The Frog went nearer and rubbed the door with
his thumb, then he looked at Alice
46 The leg of mutton got up in the dish, and made
a little bow to Alice
47 "I can’t stand this any longer!" she cried, as she
jumped up and seized the table-cloth with
both hands
48 She took the Red Queen off the table, and shook
her backwards and forwards with all her might.
49 And if it really was a kitten, after all
50 "Snowdrop, my pet!" she went on, looking over
her shoulder at the White Kitten, “when wilt
Dinah have finished with your White Majesty,
I wonder?”
NEWTON & CO., Opticians to the Royal Family,

WQ

RANDOLPH CALDECOTT’S PICTURES.

Messrs. Newton hold the sole right of making Lantern Slides from the Nursery Picture Books of Randolph Caldecott. The following sets are now ready, and others will be published shortly.

THE HOUSE THAT JACK BUILT.

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1 Introduction—the House that Jack built
2 This is the House that Jack built
3 This is the Malt that lay in the House that Jack built
4 This is the Rat that ate the Malt
5 This is the Cat that killed the Rat
6 This is the Dog that worried the Cat
7 This is the Cow with the Crumpled Horn that
tossed the Dog
8 This is the Maiden all forlorn that milked the Cow
9 This is the Man all tattered and torn
10 This is the Priest all shaven and shorn
11 This is the Cock that crowed in the morn
12 This is the Farmer who sowed the corn

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1 Sing a Song for Sixpence
2 Catching the Blackbirds
3 When the Pie was opened the Birds began to sing
4 Was not that a dainty Dish to set before the King?
5 The King was in the Counting House counting his money
6 The Queen was in the Parlour eating bread and honey
7 The Maid was in the Garden hanging out the clothes
8 There came a little Blackbird and snapped off her nose
9 But there came a Jenny Wren and popped it on again

THE FARMER’S BOY.

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1 Introduction—the Farmer’s Boy
2 I used to keep my master’s Horses
3 I used to keep my master’s Launds
4 I used to keep my master’s Hens
5 I used to keep my master’s Pigs
6 I used to keep my master’s Ducks
7 I used to keep my master’s Dogs
8 I used to keep my master’s Children
9 My pretty lass, will you come to the Banks of the Aire oh?

THE THREE JOVIAL HUNSTMEN.

_Painted, 32s. the set. Plain Slides, 11s. 6d. the set. Book, 6d. (F. Warne & Co.)_

Introduction—Three Jovial Huntsmen
2 It’s of three Jovial Huntsmen an’ a hunting they did go
3 The first thing they did find was a tatter’d Baggart
4 The next thing they did find was a gruntin’, grinidin’ Grindlestone
5 The next thing they did find was a Bullock-calf in a pin-fold
6 The next thing they did find was two or three
Children leaving school
7 The next thing they did find was a fat Pig smiling
in a ditch
8 The next thing they did find was two Young Lovers in a lane
9 And they’d nought to bring away at last, when th’
huntin’-day was done

JOHN GILPIN.

_Beautifully Painted, £2 3s. the set; Plain Slides, £1 2s. 6d. the set. Book, 6d._

1 Introduction.
2 John Gilpin’s spouse said to her dear.
3 John Gilpin kissed his loving wife.
4 So three doors off the chaise was stayed.
5 I am a linendraper hold.
6 His long, red cloak, well brushed and neat,
h’manfully did throw.
7 Now see him mounted once again upon his
nimblike steed.
8 Now in a trice the turnpike men their gates
wide open threw.
9 The bottles twain behind his hack were shat-
tered at a blow.
10 At Edmonton his loving wife from the balcony
espied.
11 “ What news? What news? Your tidings tell;
tell me you must and shall!”
12 Whence straight he came, with hat and wig.
13 “ But let me scrape the dirt away, that hangs
upon your face.”
14 For while he spake, a braying ass did sing
most loud and clear.
15 “ This shall be yours when you bring hack
my husband safe and well.”
16 The youth did ride, and soon did meet John
coming hack again.
17 “ Stop thief! stop thief! a highwayman!”
not one of them was mute.
18 For he got first to town.

COME LASSES AND LADS.

_Beautifully Painted, £2 9s. the set. Plain Slides, 17s. 6d. the set. Book, 6d._

1 Introduction. Come Lasses and Lads.
2 Away to the May-pole, Hey.
3 Every He has got him a She.
4 Willy has Gotten his Jill.
5 Every Man did put his Hat off, and every Girl
did CURCHY.
6 “We’ll first have SELLENGER’S Round.”
7 Every Man began to Foot it... and every
Girl did Jet it.
8 The FiFilder then began to Play the Tune again.
9 The May Queen.
10 Take the Kisses Back, and Give them their
own again.
11 There they did Stay the Whole of the Day.
12 Each a Twopence Gave him and went Away.
13 “Good-night,” says Everyone.
14 Bound themselves to meet the next Holiday.
THE MAD DOG.
From Drawings by Randolph Caldecott.

*Beautifully Painted, 22. 12s. 6d. the set; Plain Slides, 19s. the set.*

Book, 6d. (F. Warne & Co.)

1. The Introduction.
2. Sung by Master Bill Primrose.
3. In Islington there lived a man.
4. That still a godly race he ran.
5. A kind and gentle heart he had.
6. In that town a dog was found.
7. As many dogs there be.
8. This dog and man at first were friends.
9. The dog . . . went mad, and bit the man.
10. The wondering neighbours ran.
11. The dog bad lost bis wits to bite so good a man.
12. The wound it seemed so sore and sad.
13. To every Christian eye.
14. The man recover'd of the bite.
15. The dog it was that died.

THE PIED PIPER OF HAMELIN.

From a series of very beautiful Drawings by Kate Greenaway.

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*Beautifully Painted, £4 4s. the set; Plain Slides, £1 7s. the set.*

Reading, 6d.

1. Introduction.
2. Bit the babies in the cradles, and ate the cheeses
3. And even spoiled the women's chats, by drowning their speaking with shrieking and squeaking.
4. At last the people in a body, to the Town Hall came flocking.
5. His queer long coat from head to head was half of yellow and half of red.
6. He advanced to the Council-table: And "Please your honours," said he, "I am able."
7. Into the Street the Piper stept, smiling first a little smile.
8. And step by step they allowed dancing, until they came to the river Weser.
9. "Go," cried the Mayor, "and get long poles! Poke out the neseis and block up the boles!"
10. "First, if you please, my thousand gilders!" "A thousand gilders!"
11. "No trifling! I can't wait, beside!"
12. And to his lips again laid his long pipe of smooth straight cane;
13. Small feet were patterng, wooden shoes clattering, little hands clapping, and little tongues chattering.
14. Tripping and skipping, ran merrily after the wonderful music with shouting and laughter,
15. The Mayor was dumb, and the Council stood as if they were changed into blocks of wood,
16. To Koppclberg Hill his steps addressed, and after him the children pressed.
17. Did I say all? No! one was lame, and could not dance the whole of the way; ;
18. Alas, for Hamelin!

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1. Introduction. Portrait of “Black Beauty.” “I had a white star on my forehead”
2. Mother and seal. “I ran by her side”
3. In the meadow “A hare wild with fright rushed by”
4. The hnt. “Leaped their horses clean over”
5. The smith’s forge. “Putting on the iron shoes”
6. The train. “There I stood snorting”
7. Out of the loose box. “My name is Merry-legs”
8. “Ginger,” the chestnut mare. “The ears were laid back and the eyes looked ill-tempered”
9. “Black Beauty,” saddled. “I was brought up for the Squire”
11. The old master. “He sponged my sides so tenderly”
12. Pattersill’s. “Sent up to London and sold”
13. “Merry-legs rebels.” “I laid him on the grass”
15. “Skye” in the stable. “She made her bed under the manger”
17. The broken bridge. “Come on, ‘Beauty,’ what’s the matter?”
18. Before the fire. “Lay down your pipe”
19. The fire. “He led me out of the stable”
20. After the hard run. “He gave me a pail of water”
21. Leaving the old home. “John put the saddle on ‘Ginger’ and the leading rein on me”
22. Bearing reins. “I can’t bear it, and won’t”
23. Lady Anne. “As gentle as she was beautiful”
24. The runaway horse. “Lizzie took the leap”
25. The accident. “I stood watching and listening”
26. The Fair. “Sadly broken down with hard work”
27. “Black Beauty” as a cab horse. “Sunday rest”
28. “Captain,” the officer’s horse. “Alone on that great slaughter ground”
29. Broken down. “This is a case of overwork”
30. Willie Thoroughgood. “He called me Old Crony!”
NEWTON & CO., Opticians to the Royal Family,

LANG’S FAIRY TALES.
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THE YELLOW FAIRY BOOK.

PB
THE WITCH AND HER SERVANTS.
Painted, 2s. the set. Plain Photographs, 7s. 6d. the set.
1 Ivanich holds fast the swan
2 Militza leaves Ivanich in the tree
3 The prickly man with his attendants
4 Militza and her maidsen in the garden
5 Ivanich casts the fish into the water
6 Ivanich seizes the Magician by his beard and dashes him to the ground

PC
THE STORY OF BIG KLAUS AND LITTLE KLAUS.
Painted, 16s. the set. Plain Photographs, 5s. the set.
1 “Gee up, my five horses!” “I’ll see to your horses”
2 The farmer thinks he sees the Devil in the chest
3 The shoemakers and tanners drive Big Klaus out of the town
4 “Open the sack,” said Little Klaus

PD
THUMBELINA.
Painted, £1 the set. Plain Photographs, 6s. 6d. the set.
1 “Croak, croak, croak!” was all he could say
2 Thumbelina rides on the Water-lily-leaf
3 Thumbelina brings thistledown for the swallow
4 Thumbelina has to spin
5 We will call you May Blossom

THE GREEN FAIRY BOOK.

PETHE PRINCE NARCISSUS & THE PRINCESS POTENTILLA
Painted, 16s. the set. Plain Photographs, 5s. the set.
1 Potentilla weaving a garland of blue forget-me-nots
2 Potentilla delight at seeing her name traced in points of light
3 Grumeadan’s lion fetches in the Princess
4 Grumeadan imprisoned in a crystal hall

PF
PRINCE FEATHERHEAD AND THE PRINCESS CELANDINE
Painted, £1 the set. Plain Photographs, 6s. 6d. the set.
1 “Fish, and see what you will catch”
2 Whisked her off into the desert, and there left her
3 The Princess said Prince Featherhead fast asleep
4 The old woman began fingerling the Princess’ silken robe
5 The beautiful owl was vanishing in spite of the old woman’s efforts to hold it fast

PG
HEART OF ICE.
Painted, 36s. the set. Plain Photographs, 12s. 6d. the set.
1 Opening the window, and catching up the little Prince, the Fairy Genesta glistened away in the air
2 The old man unveiled a portrait of the lovely Shebella
3 Mannikin hastily detached their hands and feet from the wood which held them fast
4 Gorgonzola flies off on her dragon
5 The eldest Fairy consulted her Book of Magic
6 Mannikin succeeded in pinning Prince Fadisse to the sand with his spear
7 The Ambassador’s procession
8 Prince Mannikin gains a complete victory over King Brandstamor
9 Prince Mannikin hounded forward and had just strength left to grasp the precious diamond

PH
THE LITTLE SOLDIER.
Painted, £1 the set. Plain Photographs, 5s. the set.
1 In the very midst of the flames an enormous serpent reared itself up close to his face
2 The Cossack went straight on and rolled over the water, while John’s horse sank down from fatigue
3 Each time he emptied his purse, which was full the next instant
4 The Princess drinks the phial to take away the horns
5 “I saw a tall and stately dame advancing towards me, surrounded and followed by a vast flock of every kind of bird”
6 Who should come up but King Gridelin

PI
PRINCE VIVIEN AND THE PRINCESS PLACIDA.
Painted, 2s. the set. Plain Photographs, 7s. 6d. the set.
1 From this moment poor Placidia’s troubles began
2 His companions played interminable games of chess, and he was nearly dying of weariness
3 The giant rushed at the Prince, brandishing an immense serpent which was coiled about his wrist
4 The Prince took the gasket in his arms, and mounted upon the back of the small
5 “I saw a tall and stately dame advancing towards me, surrounded and followed by a vast flock of every kind of bird”
6 Who should come up but King Gridelin
PK
TWENTY-SIX NOTES ON A SOLDIER’S TRUMPET
SOUNDED BY SURGEON-MAJOR F. E. SCANLAN.
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Beautifully Painted, £5 8s.
Plain Photographs, £1 7s. the set.

Introduction—The Trumpeter
A was an Adjutant, "Ride a Cock-Horse"
B was a Brigadier, "crusty and cross"
C a Controller, laden with gold
D was a drummer-boy, youthful, yet bold
E was an Engineer, spying the land
F a Field-Marshal, Baton in hand
G was a Guardsman, lengthy and slim
H was a Hussar nicknamed "Chernibin"
I an Instructor, who taught us to shoot
J was a Jolly though simple recruit
K was a Knapsack, the defaulter abhors
L was the Lancer, "Aut Gloria Mors"
M was the Mounted Rifles, alas! I now no more

PL
ARMY AND NAVY DROLERIES.
By Major Secombe.
Beautifully Painted, £4 16s. the set
Descriptive Book in Verse, 1s.

1 A is an Admiral, sturdy and bold;
   Observe his cooked hat ornamented with gold
2 B is a Bandsman; how sweet to recline
   On the turf, close beside the gay bandsman,
   When fine
3 C for Captain of Blues, as he sometimes is seen
   On his way to perform his best bow to the Queen
4 D stands for Dragoon, some called heavy, some light
   To feel this a heavy one surely is right
5 E for the Elegant Schahzadeh, colour in hand,
   A spectacle noble, impressive and grand
6 F stands for Field-Marshal—’tis easy to see
   He’s a very great man, and as proud as can be
7 G stands for Guardsman, who wears a large hat
   We should think he felt rather top-heavy in that
8 H is a Highlander; surely he misses
   A warm pair of breeks on a cold day like this is
9 I for Indian Horseman, uniform gay!
   When his enemies meet him they go ‘tis other way
10 J for Jolly Jack Tar, come ashore for the day
   To enjoy a good lark, and get rid of his pay
11 K stands for Kettledrums, played as you see
   A performance like this very martial may be
12 L for Lancer, who stalks with importance in
   His dress, marked with red and blue
   Gotten up with complete disregard for expense
13 M stands for Marines—on the ocean they serve
   And it isn’t a pleasure at times, you’ll observe
14 N and O, Naval Officers, famed for brave deeds
   Here are two little middies indulging in weeds

PM
OUR PENNY READINGS.
A Series of Original Designs.
Beautifully Painted, £2 10s. the set of 14 Scenes, with Reading.
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1 Introduction
2 An admiral wants Silas Moggs, Esq., who, after
   refusing three times out of pure modesty, consented
   to preside on the occasion
3 Silas Moggs, Esq., enters the Hall somewhat late
   and takes the chair
4 The Chairman rises and says, "Ladies and Gentle-
   men, as an Employer of Labour," &c.
5 The Chairman, as an employer of labour, keeps
   an errand boy
6 A gentleman recites, "The seal and front of my
   offence hath this extent, no more!"
7 And there was no more, he could not remember it
8 A lady enchant’s the audience with her singing
9 The Youthful Reoiter, speaks through his nose
10 A lady in the audience says to her friend, "The
   words were very nice, but I did not think much
   of the time, did you?"
11 A Young Lady and her Betrothed sing “Watching
   for Pa”
12 A solo on the Violin, a string breaks
13 Fearful consequences, a catastrophe
14 The whole of the performers unite in singing
   "God save the King!"
NEWTON & CO., Opticians to the Royal Family,

PN
ALADDIN; OR, THE WONDERFUL LAMP.
Original Designs, very effective. Descriptive Book 1s.
Beautifully Painted, Complete, £4 4s.; Cheaply Coloured, £3 the set.
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1 Aladdin meets the Magician
2 Aladdin takes his pretended Uncle Home
3 Magician shows the entrance to the Cave
4 Finding the Enchanted Lamp
5 The Genii of the Ring appears
6 The Genii brings a sumptuous Repast
7 Aladdin sees the Princess
8 The Emperor receives Aladdin's mother
9 Aladdin's present of Jewels carried by forty Slaves
10 The Emperor welcomes Aladdin to Court
11 Aladdin's Palace built by the Genii of the Lamp
12 Aladdin brings home the Princess
13 "New Lamps for Old"
14 Disappearance of Aladdin's Palace (moving effect)
15 The Genii of the Ring carrying Aladdin (moving effect)
16 Death of the Magician

PO
THE BOYS AND THE RAVEN'S NEST.
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1 Two boys endeavouring to take a Raven's Nest
2 The ladder topples over, boys exchange places
3 They fall into the water and mud below
4 One boy is dragged out by a dog whose master was passing
5 The dog refuses to fetch out the other boy
6 The dog's master drags out the other
7 They march home without the Nest
8 The young Ravens, seeing their sad plight, greatly rejoice

PP
CINDERELLA AND THE GLASS SLIPPER.
Painted, £1 10s. the set; Plain Slides, 10s. the set. Descriptive Book, 1s.

1 Cinderella, as servant of all work, in the Kitchen
2 "Helping her Sisters to dress for the Ball"
3 Cinderella's Godmother (the Fairy) in the chimney corner
4 "Turning the Pumkin, &c., into a Coach and Horses"
5 The Fairy changing Cinderella's Kitchen Dress into a beautiful Ball Dress
6 The Prince picking up the Glass Slipper
7 Cinderella leaving the Palace after the clock had struck twelve
8 The Herald proclaiming the Prince's wish that all the Single Ladies should try on the Glass Slipper
9 Cinderella, having fitted on the Glass Slipper, produces its fellow
10 The Marriage of Cinderella to the Prince

PQ
COCK ROBIN AND JENNY WREN, MARRIAGE OF.
Painted, £1 13s. the set; Plain Slides, 11s. the set.

1 Marriage of Cock Robin and Jenny Wren
2 Jenny blushed behind her Fan
3 Cock Robin visits Jenny's House
4 The Cock blows his Horn
5 Parson Book and his Book
6 The Wedding Party
7 Bullfinch praises Jenny's modest Dress
8 Cock Robin puts on the Ring
9 The Concert, cause of the Quarrel
10 Cock Robin shot by accident
11 All the Birds mourning for Cock Robin

PR
COCK ROBIN, THE DEATH AND BURIAL.
Painted, £2 2s. the set; Plain Slides, 14s. the set. Book, 1s.

1 This is the Sparrow who killed Cock Robin
2 This is the Fly who saw him die
3 This is the Fish that caught his blood
4 This is the Beetle who made his shroud
5 This is the Owl who digs his grave
6 This is the Book with his little book
7 This is the Lark that acted as clerk
8 This is the Kite who carried him to the grave
9 This is the Linnet who fetched the Link in a minute
10 This is the Dove who was chief mourner
11 This is the Thrush who sang the Psalm
12 This is the Bull who tolled the bell
13 The Mourners, all the birds of the air
14 Cock Robin's Grave, erected by public subscription

PS
DAME PERKINS AND HER GREY MARE.
Painted, £1 4s. the set; Plain Slides, 8s. the set. Descriptive Book in Verse, 1s.

1 Dame Perkins starts for Worcester market
2 Quoth Farmer Perkins to Dame Meg
3 "The morn is bright and fair!"
4 2 The Old Mare goes to sleep on the road
5 In private she made up her mind
6 To jog on in her sleep.
7 Wakes up at the sound of the Hounds
8 At length, as from an ugly dream,
9 She woke with sudden snort.
10 Hack forward! Tally ho! Tally ho!
11 The old grey mare, in younger days, Now steady and sedate.
12 5 The First Jump clears the Hedge
13 With one light bound she cleared the leap,
14 Now brushed it with her legs.
15 6 The Brook stemmed, Eggs and Butter left behind
16 She scarcely could believe her eyes.
17 But 'twas no idle dream.
18 7 Clears the Turnpike Gate
19 It mattered little to the mare,
20 She hadn't time to wait.
21 8 The Dame presented with the brush in her own yard, before her admiring husband
22 The mare lay panting on the straw
23 Dame Perkins sat beside.
**Dick Whittington and His Cat.**

A Series of Original Designs.

- Painted, £1 4s. the set; Plain Slides, 8s. the set.
  1. Dick asks a Waggoner for a lift
  2. Old London Street, Dick asks Mr. Fitzwarren for employment
  3. Dick buys a cat in the Street
  4. Sends the cat in by Captain of the "Unicorn"
  5. Dick sitting by a milestone on Highgate Hill hears Bow Bells ringing
  6. The Cat disperses the Rats in the Emperor of Morocco's Dining Hall
  7. Return of the ship "Unicorn" with the gold sent by the Emperor to Dick
  8. Dick betrothed to his Master's Daughter

**Diogenes and the Naughty Boys of Corinth.**

Descriptive Book in Verse, 1s.

- Painted, £1 16s. the set; Plain Slides, 12s. the set.
  1. Diogenes in his Tub discovered by a little Boy
  2. Who calls his companion; they knock at the Tub
  3. Diogenes sends them about their business
  4. The little Boys squirt him through the bunghole
  5. Comes out of the Tub like a drowned rat
  6. No more piece for Diogenes
  7. They roll him in the Tub
  8. The naughty Boys' clothes get caught by a nail
  9. The Tub rolls on with the Boys on the top
  10. The Boys underneath
  11. The Boys rolled out flat
  12. Diogenes at peace in his Tub

**Elephant Hunt by a Native, and its Consequences.**

- Painted, £1 16s. the set; Plain Slides, 12s. the set.
  1. An Elephant goes to take his morning's bath
  2. First stands on the bank and takes a long drink
  3. Native takes this opportunity to shoot at him
  4. Elephant takes the next and pursues him
  5. Having very few clothes on, the Elephant is obliged to catch him by the ear
  6. Having caught him proceeds to shake him
  7. Gives him a bath in the Lake, and attests the attention of a Crocodile
  8. Takes him up out of the water and holds him just over the Crocodile's open mouth
  9. The Elephant gives him a shower bath
  10. Took hold of him by his trousers
  11. Repents, satisfies his revenge by dropping him into a prickly pear bush
  12. The Elephant leaves him covered with prickles

**Five Little Pigs.**

- Painted, £1 4s. the set; Plain Slides, 8s. the set.
  1. This little Pig went to Market
  2. The Donkey refuses to go
  3. This little Pig stays at Home
  4. This little Pig gets into Mischief
  5. This little Pig had Roast Beef
  6. The good little Pig leads the blind Pig
  7. The naughty little Pig plays at pig-a-back
  8. The little Pig cries "Wee, wee," all the way home

**Frog and the Ducks.**

- Painted, £1 16s. the set; Plain Slides, 12s. the set. Reading, 6d.
  1. A Duck and Drake seeking a breakfast
  2. A Frog who would a wooing go, is caught by the Duck
  3. The Drake says, "What is mine is thine"
  4. The Duck disputes it, but agrees to half it
  5. The Drake would swallow it whole, but the Duck prevents him
  6. While quarrelling the Frog escapes
  7. Leaps into the trough under the pump
  8. Through a Duck trap pursued by the Ducks
  9. The Ducks are caught but the Frog escapes
  10. The Frog shows them the consequence of quarrelling and they cannot stop his croaking
  11. The Poultry settles the dispute by killing the Ducks
  12. The Frog seriously injured but still able to smoke the soothing weed

**Gentleman and the Robbers.**

- Painted, £1 16s. the set; Plain Slides, 12s. the set. Reading, 6d.
  1. Two men say they are starving, ask for a dry crust at a Gentleman's House
  2. Being a kind old Gentleman, he gives them a hot dinner
  3. Sends them home with the remains for their starving families
  4. Repays his hospitality by another visit late at night
  5. Endavour to get in by cutting through the Wall
  6. Old Gentleman, being a bachelor, is reading in bed, therefore quite wide awake
  7. Gets out of the window to reconnoitre position
  8. Sees would-be robbers half through the Wall, and prepares for action
  9. Having taken a sight, gets hammer and nails
  10. Having secured them to the wall, shouts, "Now I've nailed you!"
  11. Having given them their dinners, proceeds to give them their deserts
  12. After this they are allowed to depart—we hope wiser and better men
**8PZ**

**BLOB THE SPIDER.**

Or, Adventures of Rosywing, the Beautiful Fairy.

*Beautifully Painted, £1 10s. the set. Plain Slides, 7s. the set.*

*Descriptive Book, 6d.*

0 Introductory Slide.
1 Rosywing at Home in a sweet-scented rose receiving Company.
2 Rosywing has a carriage formed by a sweet-pea blossom, and drawn by four humming-bird moths, presented by her friends.
3 An enemy, Blob, the Spider, appears in the valley and causes great consternation.
4 Rosywing warns her friends that if they only touch Blob's web they would find themselves caught.
5 Blob not catching any prey, suspects Rosywing has told her friends about his design and determines to be revenged.
6 She is caught in his net while asleep, but a friendly woodpecker releases her, and snags up Blob in his beak.

**QA**

**DICK WHITTINGTON AND HIS CAT.**

*Beautifully Coloured, the set in Case, £5 5s.; Cheaply Coloured, the set, £2 17s.*

*Plain Slides, 21s. the set.*

1 Portrait of Whittington as Lord Mayor
2 Portrait of the Celebrated Cat
3 Dick resting by the Roadside
4 Mr. Fitzwarren's House, Dick lying on the steps
5 The Cook opens the door, and tells him to move off
6 Mr. Fitzwarren speaks kindly to Dick
7 Dick in his Bedroom, asleep in the night
8 Highgate Hill, Dick resting—he dreams
9 " " Alice appears in a dream
10 " " Alice changes into a Cat
11 " " Cat changes into a Lord Mayor
12 Dick buys a Cat of an old Woman
13 Mr. Fitzwarren's Kitchen, Dick and the Cook
14 Ship at Sea, moving Storm effect
15 Banquet at the Chief's House
16 Dick's Cat clears the house of the Rats
17 Mr. Fitzwarren's Counting-house, the price of the Cat
18 Marriage of Dick and Alice
19 Lord Mayor Whittington, Moving Procession on the River

**QB**

**GRIMBEARD THE WOLF.**

*Painted, £1 7s. the set. Plain Slides, 9s. the set.*

*The Tale in Verse. Price 6d.*

1 Portrait of Wolf in his true character
2 The Wolf disguises himself in a suit of clothes as Grimbeard
3 In search of employment, is engaged as a Shepherd
4 Proves his love to the Lambs by hugging them
5 His Master's anger; Grimbeard dismissed
6 Engages himself to a Farmer, and falls foul of the Poultry
7 The Farmer gives him his desert with a stout stick
8 Tries his fortune again, and is recognised as an old offender
9 He then struggled and kicked, but up he was strong—not cruelly treated—but properly hung

**QC**

**HANS IN LUCK.**

*Descriptive Book with Other Tales, 1s. These Designs are registered by Newton & Co.*

*Painted, £1 10s. the set. Plain Slides, 10s. the set.*

1 Hans departs, carrying his lump of Gold
2 Meets a horseman and buys his Horse
3 Hans thrown from his Horse
4 Exchanges his Horse for a Cow
5 Hans tries to milk his Cow and fails
6 Exchanges Cow for a Pig, and Pig for a Goose
7 Exchanges Goose for a Grindstone
8 Stoops to drink, loses the Grindstone
9 Rejoices, being freed from his wealth
10 Hans arrives at his Mother's Cottage a wiser man

**QD**

**JACK THE GIANT KILLER.**

*Original Designs—Copyright. Descriptive Book with Other Tales, 1s.*

*Painted, £1 10s. the set. Plain Slides, 12s. the set.*

1 The Giant carries off some Cattle
2 He falls into a Pit
3 The Giant finds Jack asleep by a Well
4 Jack takes a bunch of keys from the Giant's pocket
5 The Giant attempts to kill Jack
6 The Giant having his breakfast
7 Jack appears to the Giant during Breakfast
8 Jack looks the two-headed Giant in a Vault
9 Jack releases Captives from the Vault
10 The double-headed Giant, Thunder, is killed
11 Jack blows the Horn and the Castle is taken
12 Jack appears at the Court of the King
**Q E**  
**HOUSE THAT JACK BUILT.**  
*Painted, £1 10s. the set. Plain Slides, 10s. the set. Book, 6d.*

1 This is the House that Jack Built  
2 This is the Rat that ate the Malt  
3 This is the Cat that killed the Rat  
4 This is the Dog that worried the Cat  
5 This is the Cow with the crumpled horn  
6 This is the Maiden all forlorn  
7 This is the Man all tattered and torn  
8 This is the Priest all shaven and shorn  
9 This is the Cock that crowed in the mor  
10 This is the Farmer who sowed the Corn  

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**Q F**  
**JOHN GILPIN.**  
*Painted, £2 5s. the set. Plain Slides, 15s. the set. Book, 6d.*

1 Introduction  
2 "John Gilpin's spouse said to her dear"  
3 "John Gilpin kissed his loving wife"  
4 "Smack went the whip, round went the wheels"  
5 "For saddle-tree scarce reached had he"  
6 "Twas long before the customers were suited to their mind"  
7 "Now see him mounted once again upon his nimble steed"  
8 "The cloak did fly like streamer long and gay"  
9 "The bottles twain behind his hack were shattered at a blow"  
10 "Stop, stop, John Gilpin, here's the house"  
11 "At his friend the Calender's, his horse at last stood still"  
12 "A halting ass did sing most loud and clear"  
13 "The youth did ride, and soon did meet"  
14 "Stop thief, stop thief, a highwayman"  
15 "For he got first to town"  

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**Q G**  
**JACKDAW OF RHEIMS.**  
*Beautifully Painted, £3 3s. the set. Plain Slides, 10s. the set. Reading, 6d.*

1 The Jackdaw sat on the Cardinal's chair  
2 The little Jackdaw kept hopping about  
3 A nice little Boy held a golden ewer  
4 The Friars are kneeling and buming and feeling  
5 In holy anger and pious grief  
6 When the Sacristan saw on crumpled clove  
7 Where the first thing they saw 'midst the sticks and the straw  
8 And being thus coupled with full restitution  
9 He hopped now about with a gait devout  
10 It's the custom at Rome new names to bestow  

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**Q H**  
**OLD MAN AND THE ASS.**  
*Painted, £1 4s. the set. Plain Slides, 8s. the set.*

1 Feeding the Ass for the last time  
2 Man and Boy driving the Ass to Market  
3 The Boy Rides, the Old Man Grumbles  
4 The Old Man Rides, women jeer him  
5 They both ride, meet Humane Society's Officer  
6 They carry the Ass on a pole between them  
7 The Ass falls over the bridge  
8 Muralize over the body of the dead Ass  

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**Q I**  
**OLD PRICKLES; OR, THE HEDGEHOG AND THE ELF.**  
*Copied by permission of Messrs. Seeley & Co.*  
*Beautifully Painted, £1 4s. the set. Plain Slides, 7s. the set.*  
*Descriptive Book, 4d. Containing also the three following Stories.*

0 Introductory Slide  
1 Gobble, the Elf, meets old Prickles going home with his supper.  
2 Gobble skips behind and steals the apples.  
3 Then faces the hedgehog, and says, "Don't you wish you may get them?"  
4 "We will see about that," says old Prickles.  
5 Old Prickles recovers his supper, and gives Gobble a very uncomfortable ride.  
6 Old Prickles carries him home to his family and Gobble was never heard of again  

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**Q K**  
**PUSS IN BOOTS.**  
*Painted, £1 16s. the set. Plain Slides, 13s. the set. Descriptive Book, 1s.*

1 Introduction to Puss in Boots, his Portrait  
2 What the Cat says to the Miller's youngest son  
3 Measure taken for Pussy's boots by the Cobbler  
4 The Boots tried on—a capital fit—and paid for  
5 Puss presents the Partridges to the King  
6 Puss in the Royal Kitchen hears the News  
7 Puss in distress. The Marquis in the water  
8 Running before the Royal Carriage  
9 Puss calling on the Magician at the Castle  [up  
10 Magician transformed into a Mouse and gobbled  
11 The Marquis takes possession of the Castle  
12 The Marriage Procession of the Princess and the Miller's youngest son. Puss made Prime Minister.

**Notice.**—Most of the Slides in this Catalogue are Strictly Copyright.
NEWTON & CO., Opticians to the Royal Family,

QL

**JACK AND THE BEANSTALK.**

*Painted, £1 16s. the set. Plain Slides, 12s. the set. Reading, 6d.*

1 Jack takes the Cow to Market
2 Sells his Mother's Cow
3 Brings home the wonderful Beans
4 Jack climbs the Beanstalk
5 Meets an old woman who turns out to be a Fairy
6 The Fairy tells Jack the Giant murdered his Father
7 Jack begs for a night's lodging at the Giant's Castle
8 Jack steals the Giant's Hen
9 Carries off the Money Bags
10 Gets safe away with the Fairy Harp
11 Jack kills the Giant
12 The Fairy gives Jack good advice

QM

**LITTLE RED RIDING HOOD.**

*Original Designs—Copyright.*

*Painted, £1 4s. the set. Plain Slides, 8s. the set. Book, 1s.*

1 "I want you to go like a good child, and take Grandmother these cakes and pot of butter"
2 "Good morning, Little Red Riding Hood."
3 "It's your granddaughter, Little Red Riding Hood," said the Wolf, imitating her voice
4 The Wolf sprang upon her, and ate her up
5 The Wolf, softening his voice as much as he could, said, "Pull up the hobby, my dear."
6 "But, Grandmother, how your ears stand up"
7 Hugh, the woodman, and his mates, burst into the room, and the Wolf leaped through the window
8 The woodman overtook the Wolf at the edge of the wood, and killed him

QN

**LORD BATEMAN.**

*Painted, £1 16s. the set. Plain Slides, 12s. the set. Book, 6d.*

1 Lord Bateman before he embarked
2 Imprisoned by the Turks
3 The Turk's daughter in love with Lord Bateman
4 The "Wow"
5 The Turk's daughter hiding his lordship farewell
6 The proud young Porter answers the door
7 The proud young Porter in Lord Bateman's State Apartment
8 The young Bride's Mother speaks freely
9 The young Bride on a Horse and Saddle
10 Goes home in a Coach and Three
11 Lord Bateman and his other Bride and Domestic
12 Lord Bateman, his Marriage

QO

**MISTLETOE BOUGH.**

*Painted, £1 1s. the set. Plain Slides, 7s. the set. Reading, 6d.*

1 The old Oak Chest
2 "I'll hide, I'll hide," she merrily cried
3 Its lid was raised, she an instant gazed
4 Then in she stepped, her bright robe swept
5 They sought her all night, they sought her next day
6 Years flew by, when they found her skeleton in the old Oak Chest
7 The old Oak Chest at Bramshill House, said to be the very Chest in which the Bride hid

QQ

**PUSSY'S ROAD TO RUIN.**

*Painted, £1 16s. the set. Plain Slides, 12s. the set. Reading in Verse, 6d.*

1 Dame Tabby's Good Advice to her kitten
2 Industrious Habits, being taught to spin
3 Pussy catches her first mouse
4 Grimalkin's Temptation succeeds too well
5 The Moonlight walk on the Tides
6 Its ill effects on Pussy's future life
7 A Garrotte Robbery planned and carried out
8 Robs her Best Friend
9 A Mother's Advice neglected
10 Vanity her ruin, kills her Master's Canary
11 Captured and Condemned by her Master
12 Repentance in Prison, too late

AFI

**THE SQUIRE'S CHRISTMAS PRESENT AND WHAT BECAME OF IT.**

*Painted, £1 4s. the set; Plain Slides, 8s. the set.*

1 Introductory Slide
2 The Squire sets out on his journey accompanied by his retinue
3 An altercation between the two fighting cocks causes the mare to bolt
4 The battle continues in earnest, while John cheers them on
5 The old parson hurries down the hill
6 Enthusiastically he cheered his fancy
7 The parson's bird managed to stretch his opponent out
8 The winning chantecler presented to his backer
ROBINSON CRUSOE.
Beautifully Painted, £5 10s.; Cheaply Coloured, £3 10s. the set. Book, 1s.
Plain Slides, £1 2s. the set.

1 Introduction to the Tale
2 Crusoe Shipwrecked, reaches Land
3 "
4 "
5 "
6 "
7 "
8 "
9 "
10 "
11 "
12 Crusoe alarmed at Footsteps of the Savages
13 "
14 "
15 "
16 "
17 "
18 Captain of Mutineers hanged at Yard-arm
19 Crusoe arrives at Lisbon
20 Friday's antics with the Bear in Russia
21 The Wolves driven off from the Travelling Party
22 Crusoe settles in England and marries

SINBAD THE SAILOR.
A Series of Original Designs.
Beautifully Painted, £5 10s. the set; Cheaply Coloured Series, £3 10s.
Plain Slides, 24s. the set.

1 Balsora, Sinbad leaves the Port on his first voyage
2 The whale mistaken for an Island
3 Sinbad tied himself to the Roe's Leg
4 Sinbad in the Valley of Diamonds and Serpents
5 The Red-haired Dwarfs seize the Ship
6 The one-eyed Giant eats the Captain
7 The Giants sink the Rafts with great Stones
8 The great Serpent swallows Sinbad's Comrade
9 Funeral Procession of Sinbad's Wife, long panoramic slide (Buried Alive)
10 Sinbad escapes from the Pit in which he was
11 The Merchants break open the Roe's Egg
12 Leave the Island in Ship. The Roe sinks the Vessel with large Stones, moving effect slide
13 Sinbad makes the Old Man of the Sea drunk
14 The Monkeys pet the Merchants with Cocoaanuts
15 Sinbad enters the Cavern on a Raft
16 Brought before the King of Serendib
17 Sinbad carried by an Elephant to the Cemetery
18 Sinbad relates his Adventures to the Caliph of Bagdad

THE TALE OF A TUB.
Descriptive Book, Is.

1 The Tiger asleep, early morning
2 The Tiger awolte by the noise
3 Approaoh to disturbance, the Tiger advances
4 The Artful Dodge round the Tub
5 Look before you leap, Tiger falls into the Tub
6 Under Cover, Tiger inside, a monday
7 Keeping Tiger under the Tub, Mon standing on top
8 Increasing interest of the Tail. Climax, a Knotty point. Moonlight Scene

THE YOUNG RAGAMUFFINS.
Painted, 3s. each; Plain Slides, Is. each.
Descriptive Book with other Tales, Is.

QU Boy Careless of his Clothes.
1 Climbs a tree and gets hooked
2 Slides down the bannisters
3 Clothes torn to pieces, he becomes a scarecrow

QV The Boy and the Eagles.
1 Takes the Eagle's Nest
2 Old Eagles watch the boy home
3 Eagle hopped on the window-ledge, and sees the boy all snug in bed
4 Both Eagles rob the Boy's Nest
5 They carry him to their Nest
6 He is put into a cage to amuse the young Eagles

QW The Boy who was frightened at Soap and Water.
1 Refuses to be washed and gets blacker and blacker
2 So black, supposed to be a nigger, was captured by a slave dealer
3 Who sold him for a Negro Slave, was then whipped instead of washed

QX Boy who ill-treated the Servants.
1 He kicked the Nurse and tore her gown
2 Servants all leave, Cooky and John on their way to town
3 He has to clean his own hoots
4 Cooks his dinner and sets fire to the chimney
5 Jumps out of window, caught by the Servants

QY The Boy who misticked his Grandfather.
1 Watches his grandad take sniff
2 Imitates him and takes some
3 Begins to sneeze, and what became of him

QZ The Greedy Thief.
1 Inside the Pantry eating the Jam
2 The family come home, find him jammed inside the pantry door
3 Portraits of all the young Ragamuffins
THE STORY OF MOONBEAM AND THE BIRDIES.
Beautifully Painted, 1s.; Plain Slides, 4s. the set.

Descriptive Book, 4d.

0 Introductory Slide
1 The Nest

THE SIGNAL BOX. (Life Models.)
Beautifully Painted, £1 10s. the set.
Plain Slides, 6s. the set. Reading, 1s.

1 I was on the Box down yonder
2 I kissed our sleeping child
3 I lifted him up, and he kissed his little hand
4 What shall I do? Oh, Heaven
5 That voice, O, merciful Heaven! 'tis the child
6 She leapt on the line and saved him

MARY THE MAID OF THE INN. (Life Models.)
Beautifully Painted, £2 10s. the set.
Plain Slides, 10s. the set.

1 Who is she? the poor Woman, a Winter Night Scene
2 Mary welcomed him with a smile
3 A Summer Scene, Mary loves young Richard
4 Seated by the fireside, Mary playing with the dog
5 One of the gentlemen wagers a dinner
6 Mary on her way to the Abbey, a stormy night
7 She breaks off a bough, and is about to return
8 She sees two men and hides behind a column
9 She reaches the inn, falls down in a fit, and becomes a maniac
10 The Gibbet on which Richard was hanged

SET OF HUMOROUS SLIDES WITH RAPID CHANGES.
Beautifully Painted 7s. the pair. Plain Slides, 2s. the pair.
Two Slides to each Subject.

1 "Now, Tommy," said Aunt, "don't touch." But he did (a warning to meddlesome boys)
2 Jack Knowall's invention. By Jingo, the water's black (ink substituted for water)
3 Keep the pot a-boiling. Boiled over
4 His first run with the Hounds. The result
5 Nothing venture, nothing have. Over venturesome, caught
6 The vain goose's mirror: "I am really beautiful." Foxy says, "Yes, for supper"
7 A haunted house. "Let's knock and run away." Consternation
8 Johnny attacks the Christmas pudding. The Christmas pudding attacks Johnny
9 Canoeing on the Nile. A nice quiet place for study. The dental system
10 Something to eat. And now to drink
11 Baby Harry balances himself with the tablecloth. He falls; there is no mistaking the fact
12 Sport in the Tropics. The biter bit
RF

MOVEABLE LEVER SLIDERS.
6s. 6d. to 10s. 6d. each.

No. 12.

1 Analytical Chemist
2 Bill-poster, Man on the Ladder
3 Black Nurse and Child
4 Blacksmith at work at Horseshoe
5 Blind Fiddler
6 Boy and Kicking Donkey
7 Boy Stealing Apples, caught in the act
8 Cabin of a Steamer and its Comforts
9 Cat being washed at the Pump
10 Cat Nuisance, Midnight Disturbances
11 Cat setting up her back
12 Children playing at See-saw Fig. 19
13 Clown and Pantaloons with Baldron, 10s. 6d.
14 Cobbler at work at his Stall
15 Corning Head, Moving Chin and Eyes
16 Cooking Sauces in a Frying Pan
17 Cow drinking at the River, Fig. 17
18 Cup of Tea, confidential Chat
19 Deathbed Baby, and Man playing Fiddle
20 Dog, and Monkey caught by his tail
21 Dog of St. Bernard resounding Traveller from Snow
22 Dog opening Mouth and Smoking a Pipe, 10s. 6d.
23 Excursions surrounded by the Tide, Signal of Distress
24 Entomologist in full chase after a Butterfly
25 French Female Barber
26 French Soldier beating Drum
27 Gentleman Fishing, nearly caught
28 Girl feeding Goat
29 Girl Swinging
30 Goat browsing on top of cliff
31 Grooming a Horse
32 Horse drinking at a Pond
33 Horse feeding at a Trough
34 Horse kicking, Man leading Horse
35 Lady's Obignon, Mouse coming out of Nest

No. 17

36 Lady on Horseback
37 Man breaking Stones at the Road-side
38 Man driving Fig Horse
39 Man flying through the Air
40 Man in Stocks moving face
41 Man with Pickaxe at Work
42 Margate Sands, Lady on Donkey
43 Monkey eating
44 Monkey drinking out of Bottle
45 Monkey reading Newspaper
46 Monkey with Red-dot Poker, & Jackdaw in Cage
47 Monkey filling in an Artist's Sketch
48 Man Bagging, takes off his Hat, 7s. 6d.

RG

MOVEABLE COMIC SLIDERS.

Best Quality, 3s. 6d. each.

These are very carefully drawn and photographed, and are very superior in painting to the ordinary Comic Slipping Slides.

300 Acrobat balancing Globe on his Foot [Shoulders
301 Acrobat balancing on Pedestal [Chairs
302 Acrobat performing on two
303 Acrobat, A Present from Brighton
304 Acrobat, A Spout Baby, and Man playing Fiddle
305 Acrobat (3 figures)
306 Adventure with a Crocodile on the Nile [Plum Pudding
307 Boy and Old Man's Wig
308 Boy frightened by Goose
309 Boy playing Leapfrog
310 Boy and Old Man's Wig
311 Boy and Old Man's Wig
312 Boy brightened by Goose
313 Boy playing Leopfrog
314 Balloon Ascent
315 Cauliflower and Venus
316 Chinese Juggler with Heads
317 Cobbler at Work
318 Cookney Fishing [Coal Toy
319 Countryman and the Meoben
320 Cat following Rat
321 Cat playing with Mouse
322 Chimney Sweep, an early riser
323 Chinese playing Shuttlecock
324 Clearing the Letterbox, Telegraph Boy [Through Hoop
325 Clown and Dog jumping
326 Conjuror tossng Balls
327 Countryman at the Tower
328 Drunken Knocks down Wicket and stops Ball
329 Dancing Zulu [Bow Bells
330 Dick Whittington Listening to [Domino in Christmas Pudding
331 Elephant Acrobat
332 Electricised Xmas Pudding
333 Elephants Dancing
334 Elf riding a Pig, tumbles
335 Family Umbrella
336 Farmer scared by a Frog
337 Frog engaging a Fly
338 Girl playing at Shuttlecock
339 Girl Skipping
340 Hare, roast, undertone
341 Impudent Monkey and Old Woman
continued.

Seat Quality, 3s. 6d. each.

Indian playing on the Tom-tom
Tom-tom Jack in the Box
Japanese nursing Baby
Japanese Deception Trick
King Fishers, Man and Bird
Lady and Kicking Donkey
Lecture on Tobacco
Man wishing Good-night
Magpie steals Bone from Dog
352 Peacock opening Tail
363 Performance on two Chairs
854 Performing Elephant
856 Performing Dog and Monkey
857 Political Speech, or, Tub Orator
858 Punch and Welcome
859 Punch growing Nose
860 Slumber, my Darling
861 Somnambulism & its Dangers
Spanish Gipsy. Castañeta Dancer
862 Studying Isaac Walton over the garden wall
863 Schoolmaster’s Portrait

R H Moveable Comic and Other Sliders.

1 A Careful Wife
2 A Copper, your Honor
3 A Considerate Guide
3 Accordian Playing
4 A Fall in China
5 A Fall in Life
6 A Morning Visitor
7 A Couple of Ducks
8 A Cure for the Cat nuisance
9 A Real Native
10 A Regular Crossing-Sweeper
11 A Quiet Nap Disturbed
12 Acrobat
13 Acrobat on Horseback jumping through Hoop
14 A Donkey Ride on Hampstead Heath
15 An Unexpected Visitor
16 A White Favour
17 An English Pill for the Zulus
18 Ballad Singer
19 Balloon, Night Ascent
19A Balloon Descent
20 Barber Shaving
21 Bathing Machine
22 Bird Firing Gun
23 Birth of Cupid
24 Black Draught
25 Blacksmith at Work
26 Blondin on Tight-rope
27 Blowing your own Trumpet
28 Bluebeard’s Head
29 Bonbon Explosion
30 Bootjack
31 Bottled Porter
32 Boy and Butterfly
33 Boy and Bird’s Nest
34 Boy and Eel Trap
35 Boy and Plum Pudding
36 Boy, his Dinner or the Dog’s
37 Boy Jumping Post
38 Boy and Swan
39 Boy falling between Two Stools
40 Boy stealing Jam
41 Boy stealing Grapes
42 Boy spinning Top
43 Boy falling in the Water
44 Boys and the Sugar Tub
45 Bringing up to Standard
46 British Port
47 British Tar and Cask
48 Bull tossing Dog
49 Burglar and Miser
50 Capers
51 Cat and Mouse
52 Cat following a Rat
52A Cat Nuisance, Midnight disturbances
53 Cat playing with a Mouse
54 Cats on the Tables
55 Catching a Crab
56 Caught in a Trove
57 Cauliflower and Venus
58 Chameleon
59 Chelsea Pensioner
60 Children feeding Swans
62 Chimney on Fire, “I’ll put it out, Sir.”
63 Chinaman and bad Dog
63A Chinese Pagodas
64 Chinese Juggler
65 Chinese Punishment
66 Christmas Pudding and Head
67 Clown dancing
67A Clown and Bells
68 “ and Dancing Dog
69 “ falling to pieces
70 “ wishing good night
71 “ headless
72 “ going home
73 “ Jumping Horse
74 “ and Ladder
75 “ and Pie
76 “ and Pineapple
77 “ and performing Horse
78 “ and Plum-pudding
79 “ on his way to Tea
80 “ asleep in a Washing Tub
81 “ tumbling
82 Coastguard
83 Cohler at Work
84 Cockney Fishing
85 “ holding his cap
86 S. Ormann’s Head
87 Conjuror and Balls
88 Consulting Magic Mirror
89 Countryman and his Pig
90 Countryman at the Zoo
90A Countryman and his Pig
91 Cook and Pie
92 Costermonger and his Donkey
93 Cricket, short stop
94 Crinoline Fashion
95 Cruel to the last
96 Dishonest Customer
97 Dog and Monkeys
98 Dog and Ladders
99 Dog and Ladders
100 Domestic Shower Bath
101 Election Scene
102 Equestrian at Astley’s
103 Excursionists and Diver
104 Falkenham Ghost
105 Falconer
106 Family Umbrella
107 Farmer and Dog
108 Fiction and Fact
109 Frog Pie
10A Frog Performance
119 Frog Soup
111 Gardener and Bee
112 Gentleman taking Snuff
113 Girl Skipping
114 Good Accommodation
115 Granny Dear, Grenadier
116 Greenwich Pensioner, 3phases.
117 Grimaldi’s Head
118 Growing Nose
119 Great Sea-Serpent and Bather
120 Grand Turk
121 Guy Fawkes
122 Hair Brushing by Machinery
123 Harlequin in Bottle
124 “, falling to pieces
125 Henry’s “Good Night”
126 Highlander dancing
127 Hodge and his Hat
128 Huntsman’s Dream
129 Hold out your hand, Sir
129A Indian Corn
130 I’m asleep
130A Impudent Boy
131 Impudent Monkey with Woman
132 Income Tax Collector
133 Irish Stew (hot)
134 Jack in the Box
135 Jack ’o Lantern, or Will o’ the Wisp
136 Juggled Hare
137 Kicking Donkey
138 Lamp Black (Sweep in Cask)
139 Latest arrival at the Zoo
140 Leapfrog
141 Learning to Skate
142 Letter from Tobacco
143 Life in the Backwoods
144 Lifeguardsman and the Drum
145 Light of other days
146 Lion’s Head
147 Magic Bouquet
148 Man and Dancing Dog
148A Man jumping through Hoop
149 Man with jumping Pig
150 “ seeing his likeness in glass
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I am, Sirs, your obedient servant, Arthur Ellis.

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