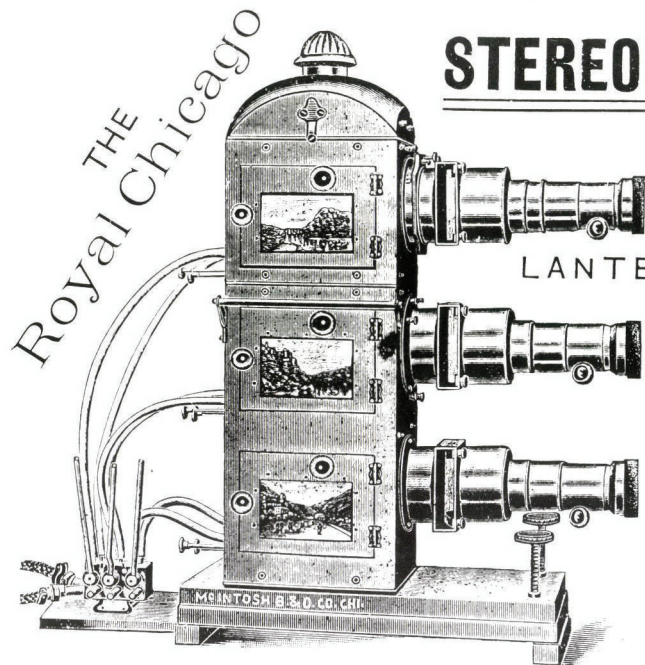


MISCELLANY

A pot pourri of unusual lanterns, accessories and information gleaned by the editor from the *Magic Lantern Journal Almanac 1896/7* and the *Optical Magic Lantern Journal 1892*.



STEREOPTICONS.

Gas Making Apparatus,

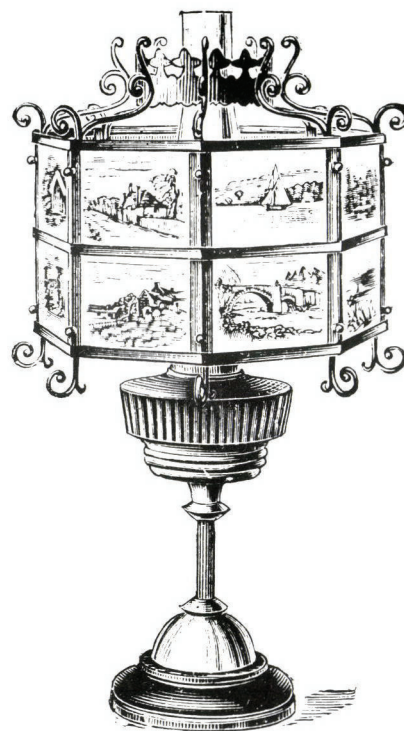
LANTERN SLIDES,

We Manufacture, Import & Deal

Write for Catalogue.
Mention this Journal.

**McINTOSH
BATTERY AND OPTICAL
COMPANY,**

Chicago, Ill., U.S.A.



TRANSPARENCY CARRIER FOR LAMPS.

W. TYLAR. (*See Advt., p. xix.*)

THIS frame is so made that it will fit on the rim of any duplex lamp. The frame will hold twenty lantern slides, each of which can be brought in front of the onlooker by a touch of the finger.

READY REFERENCE TABLE.

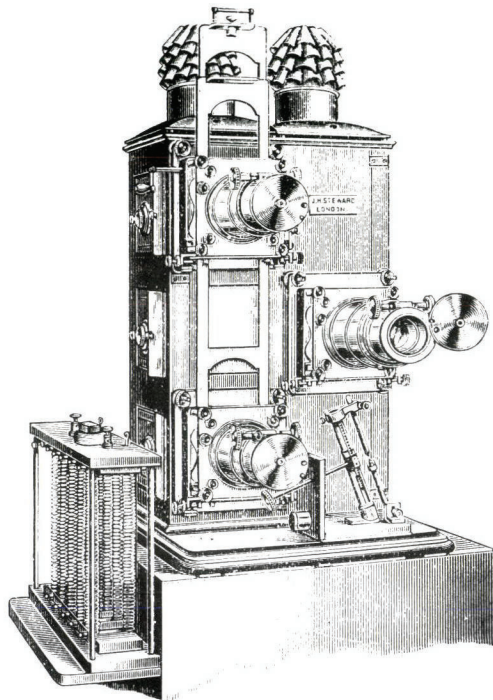
Distance between Lantern and Screen	FOCUS OF LENS.																		Distance between Lantern and Screen						
	4in.	5in.	6in.	7in.	8in.	9in.	10in.	11in.	12in.	13in.	14in.	15in.													
	DIAMETER OF DISC.																								
	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.							
10 feet	7	6	6	0	5	0	4	3	3	9	3	4	3	0	2	9	2	6	2	4	2	2	2	0	10 feet
11 „	8	3	6	7	5	6	4	9	4	2	3	8	3	4	3	0	2	9	2	6	2	4	2	2	11 „
12 „	9	0	7	2	6	0	5	2	4	6	4	0	3	7	3	3	3	0	2	9	2	7	2	5	12 „
13 „	9	9	7	10	6	6	5	7	4	11	4	4	3	11	3	7	3	3	3	0	2	9	2	7	13 „
14 „	10	6	8	5	7	0	6	0	5	3	4	8	4	2	3	10	3	7	3	3	3	0	2	9	14 „
15 „	11	3	9	0	7	6	6	5	5	8	5	0	4	6	4	1	3	9	3	6	3	3	3	0	15 „
20 „	15	0	12	0	10	0	8	7	7	6	6	8	6	0	5	6	5	0	4	7	4	3	4	0	20 „
25 „	18	9	15	0	12	6	10	9	9	4	8	4	7	6	6	10	6	3	5	9	5	4	5	0	25 „
30 „	22	6	18	0	15	0	12	10	11	3	10	0	9	0	8	2	7	6	6	11	6	5	6	0	30 „
35 „	26	3	21	0	17	6	15	0	13	1	11	8	10	6	9	6	8	9	8	1	7	6	7	0	35 „
40 „	30	0	24	0	20	0	17	2	15	0	13	4	12	0	10	10	10	0	9	2	8	6	8	0	40 „
45 „	33	9	27	0	22	6	19	3	16	10	15	0	13	6	12	3	11	3	10	4	9	8	9	0	45 „
50 „	37	6	30	0	25	0	21	5	18	9	16	8	15	0	13	8	12	6	11	6	10	9	10	0	50 „

EXAMPLES.—An 8in. focus lens at a distance of 35ft. will give a disc of 13ft. 1in. To produce a disc of 12 ft. with a lens of 10in. focus, the lantern and screen must be separated by 40ft. To produce a disc of 15ft. at a distance of 45ft. will require a lens of 9in. focus.

ELECTRIC TRIPLE LANTERN.

J. H. STEWARD. (See Advt., p. xxxviii.)

THE triple electric lantern is not only a handsome piece of apparatus, but also very effective. The body is practically a double one, and is fitted with three of Davenport's patent hand-fed electric lamps (one of which is shown in the foreground of diagram).

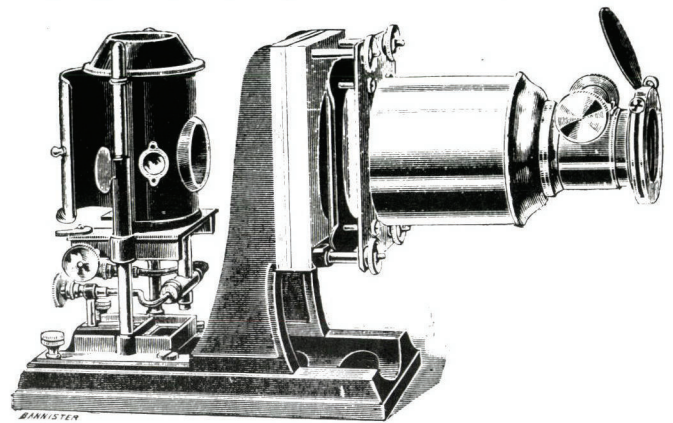


The lantern is fitted with improved curtain shutter, with supplemental slide for either stage, also with resistance coil.

SKELETON LANTERN.

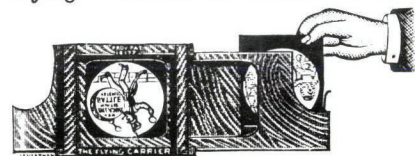
WALTER TYLER.

Owing to the body of this lantern being made of cast metal, it possesses great stability, and on that account it is particularly valuable for certain purposes. As will be seen, it has no body according to the accepted term, but the limelight jet is enclosed in a light-tight receptacle, the opening of which is brought close to the



condenser. The jet is made in a very compact manner. This same lantern is also made for use with a lamp. It folds up in small compass.

The "Flying" Carrier or Lantern Slide Holder.



PROV. PATENT 16177.

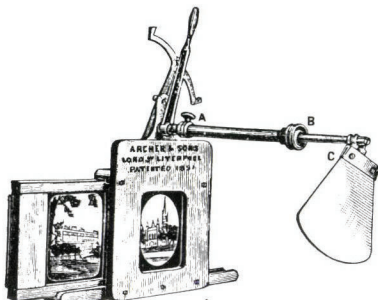
As used by all principal Lecture Societies and Lecturers throughout the Kingdom

THIS LANTERN SLIDE HOLDER has been introduced to meet the demand for a low-price automatic carrier, giving every facility for changing the slides when operating, without the necessity of using both hands, which is the usual fault with all previously introduced.

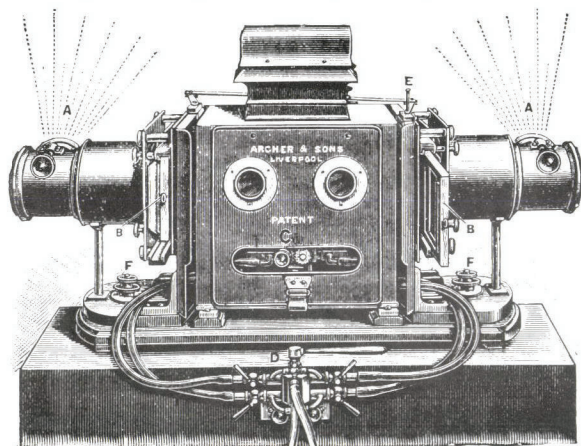
DISSOLVER FOR SINGLE LANTERNS.

ARCHER & SONS. (See Advt., p. xlv.)

ARCHER'S dissolver and carrier are in one, and operate together by the movement of one handle. The effect obtained with it is good. For convenience in packing, it can be detached at A (see cut). By means of the nut B, the arm carrying the dissolver can be set at any required distance to suit the focus of lens used.



"UNILUX" BI-UNIAL LANTERN.—The sketch is a lantern of the bi-unial class, in which both condensers are illuminated from one light, which may be either gas or oil. By following the letters in the

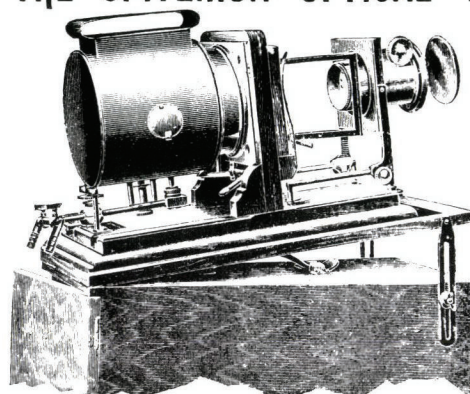


illustration, it will be seen that AA are objectives with prisms between the lenses; BB, slide carriers; C, illuminant; D, dissolving tap; E, roller curtain; FF, screws for rendering the discs co-incident.

A New Departure.

THE CRITERION OPTICAL LANTERN.

(PATENT)

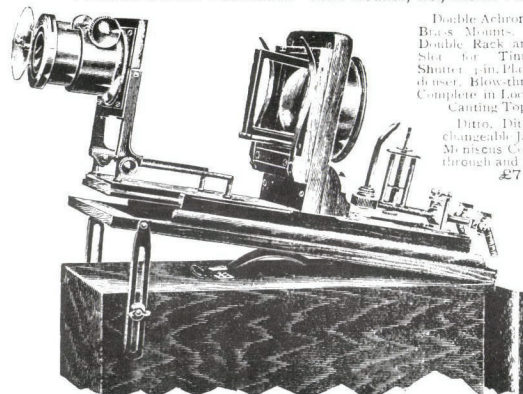


NEW METHOD OF CHANGING SLIDES. (See Illustrations.)

Meets all Modern Requirements.

EXTREMELY COMPACT AND PORTABLE.

SHOWING LANTERN AS IN USE. All adjustments accessible from outside without removing the iron body. Polished Walnut Woodwork. Lens Mounts, &c., Nickel Plated.



SHOWING DOUBLE EXTENSION, UNIVERSAL ADJUSTMENT &c. Base of Lantern, 14 in. by 7 in.

Birmingham Photographic Co., LIMITED.