

Telephone: 1964 HOP.
Telegrams: "BIOJECTOR," LONDON.

A
SECTION.



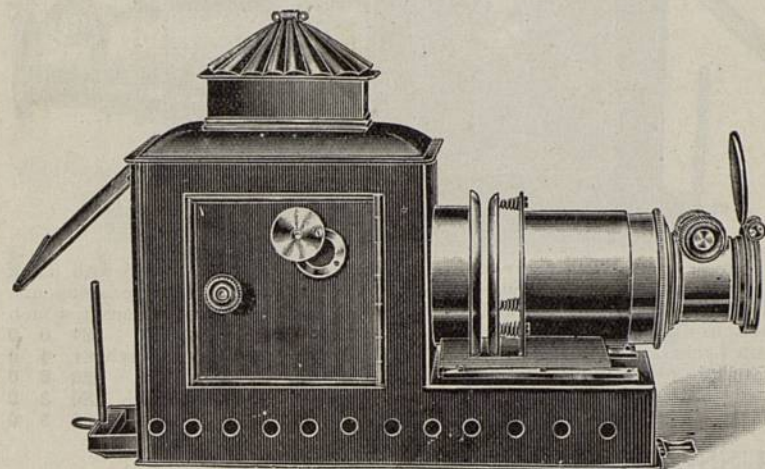
THE BEARD BRAND.

R. R. BEARD,
10 TRAFALGAR ROAD,
OLD KENT ROAD,
LONDON, S.E.

ESTD. 1886.

Russian Iron Lantern.

Suitable for use in either
Small Rooms or Large Halls.



Pattern No. 1.

Specification:—

Russian Iron Body Square form specially made for taking any pattern Arc Lamp (as quoted in Catalogue); the ordinary Russian Iron Lanterns are not constructed to allow the usual size Arc Lamp being used. Light-tight Door, fitted with covered sight hole. This pattern being made higher in the body allows the use of any Arc Lamp, sufficient room being given for adjustment of Carbons.

The front stage being entirely of brass, can be drawn forward to allow the Condenser being placed in its position from the front; Single O.G. Brass Tube, 2inch diameter Double Portrait Combination Lense, Double Rack and Pinion Mount, 4-inch Double Plano-Convex Condenser.

Lantern as above described with—

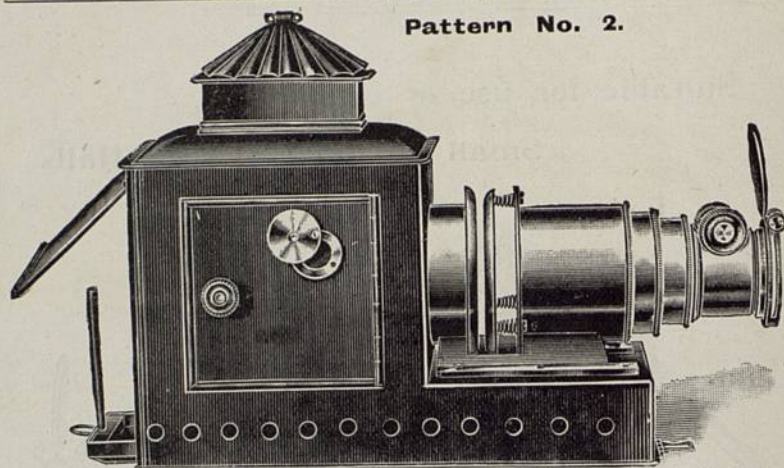
	£	s.	d.
Russian Iron Cowl and Japanned Tray ...	2	18	0
Russian Iron Box with Leather Handle ...		6	0
Extra if fitted with 4¼ in. condenser ...		3	0
Extra if fitted with 4½ in. condenser ...		5	0

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BR

RUSSIAN IRON LANTERN.

Pattern No. 2.

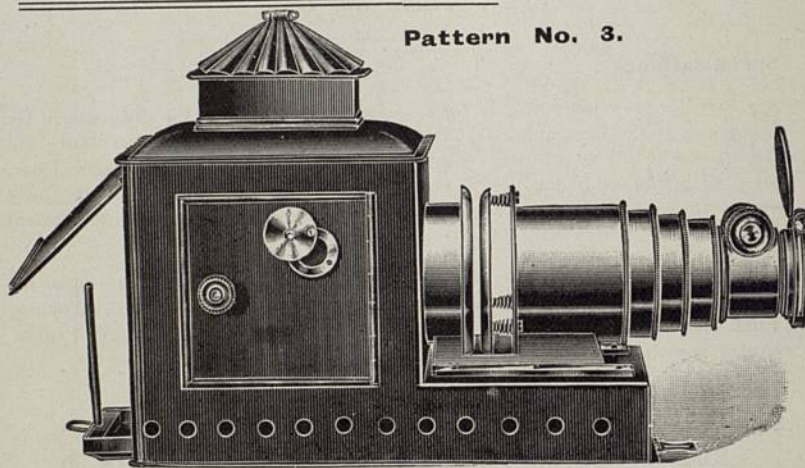


This Lantern is precisely the same as Pattern No. 1, but is fitted with Extra Large Double-draw Front Tubes, to take Double Rack and Pinion Lenses $2\frac{3}{4}$ -inch diameter. This Lantern will take either 6, 8, or 10-inch focus Lenses, 4-inch Meniscus Condenser. Price with one Lense. £4 0 0

Extra Lenses, any Focus desired	.. .. .	each	£1 4 0
Russian Iron Box with Leather Handle	.. .. .		£0 6 0
Extra if Fitted with $4\frac{1}{4}$ in. Condenser	.. .. .		£0 3 0
Extra " " " $4\frac{1}{2}$ " "	.. .. .		£0 5 0

RUSSIAN IRON LANTERN.

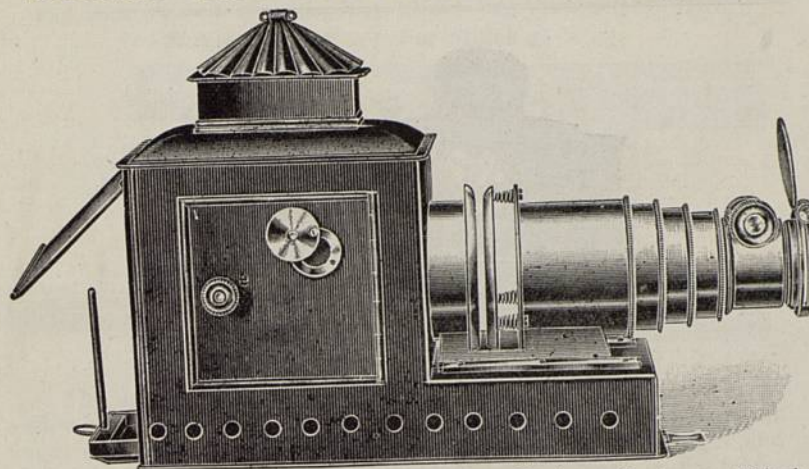
Pattern No. 3.



Lantern fitted with Telescopic Brass Front, Double Portrait Combination			
Lense, 2-inch diameter in tubes (any focus), 4, 6, 8, 10, 12-inch, Double Rack &			
Pinion Mount, 4-inch Meniscus Condenser,	Price		£4 0 0
Extra Lenses in tubes each	7/0		
Russian Iron Case with Leather Handle			£0 6 0
Extra if fitted with $\frac{1}{4}$ in. Condenser			£0 3 0
" " " " $\frac{1}{2}$ in. " " " " " "			£0 5 0

RUSSIAN IRON LANTERN. Pattern No. 4.

Pattern No. 4



Lantern fitted with Telescopic Front, 4-in. Meniscus Condenser, 2 $\frac{3}{4}$ -inch Lenses in tubes (any focus), 6, 8, 10, 12 or 14-inch, Double Rack & Pinion Mount.

Price £4 6 6

Extra Lenses in tubes, each 16s. 0d. Russian Iron Case, extra 6s. 0d.

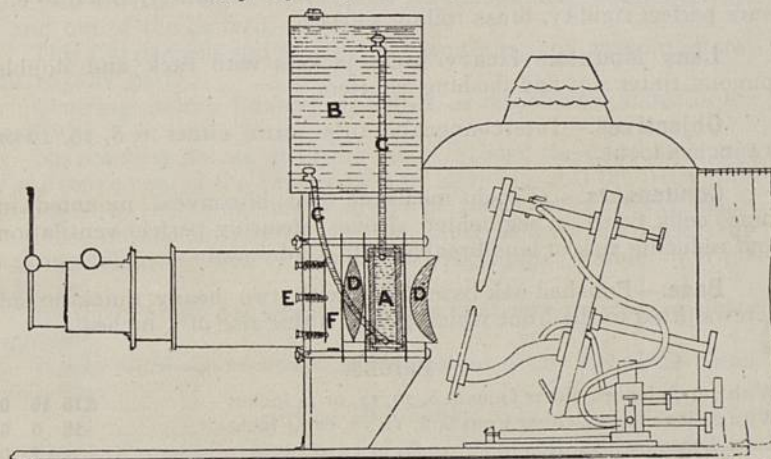
Extra if fitted with $4\frac{1}{4}$ inch Condenser, 3s. 0d.

Extra if fitted with $4\frac{1}{2}$ inch Condenser, 5s. 0d.

BEARD'S LANTERN for Autochrome Slides.

Prevents Heating of Slides and Condensation.

Can be fitted with Electric (Hand-feed or Automatic), Nernst, Oxy-Hydrogen, Acetylene, &c.



The Body is large size of Russian Iron (suitable for any make of Lamp) with light-tight door and brass-covered sight hole. The front is a three-draw telescope slide, Rack Jacket, and 2 in. diameter Lenses Cylinder type, with 4 in. Condenser and water cooling apparatus mounted on a polished oak base board, all self contained.

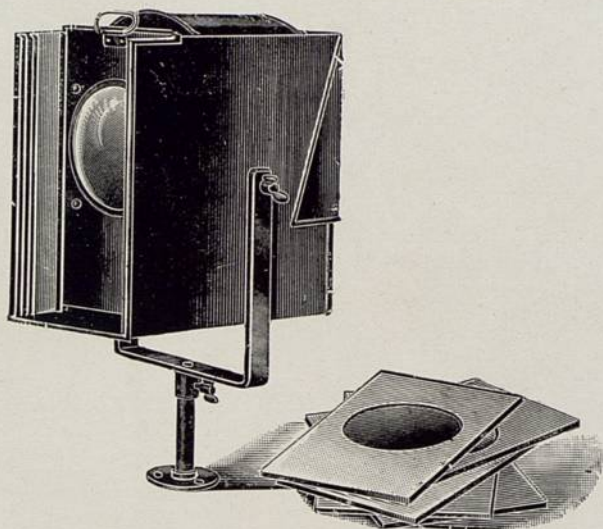
£10 10s.

Similar to above, but fitted with 6 in. diameter condenser and 2½ in diameter Lenses, **£15 15s.**

Travelling Cases Extra.

LIME-LIGHT

PROJECTORS.



The Body is made of sheet steel, and is of large dimensions, $13 \times 11 \times 8$, and is large enough to take an Arc Lamp.

The support is of wrought iron, and so arranged that the body can be tilted to any desired angle.

The lense is a ground lense of 6-in. diameter, and is mounted in a frame with a handle attached, so it can be removed for flooding purposes. Tinters are mounted in frames, and 5 are included.

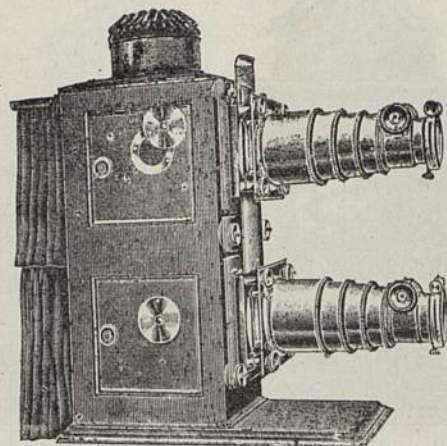
PRICE, £1 17 6

Coloured Gelatines

for Lime-Light.

8 in. square	-	-	-	per doz.	£0 4 0
Or in sheets, about 16×24	-	-	-	„	£0 18 0

Russian Iron Bi-unial Lanterns.



SPECIFICATION.

Body.—Best quality Russian iron of extra large size with dome and cowl. Well ventilated, large doors with sight holes and fibre handles, openings at back sufficient to accommodate large size arc lamps, curtain rods and two curtains.

Front.—Massive all-brass front lacquered in best style, stout brass plates, 3-draw telescopic draw tubes accurately fitted to ensure perfect rigidity, brass rolling curtain.

Lens Mounts.—Heavy brass jackets with rack and double pinions, tinter slot and flashing shutters.

Objectives.—Interchangeable tube form, either 6, 8, 10, 12 or 14 inches focus.

Condensers.— $4\frac{1}{2}$ -inch meniscus and bi-convex, mounted in brass cells, fitted in segmented sleeves, ensuring perfect ventilation and reducing risk of lens breakages to a minimum

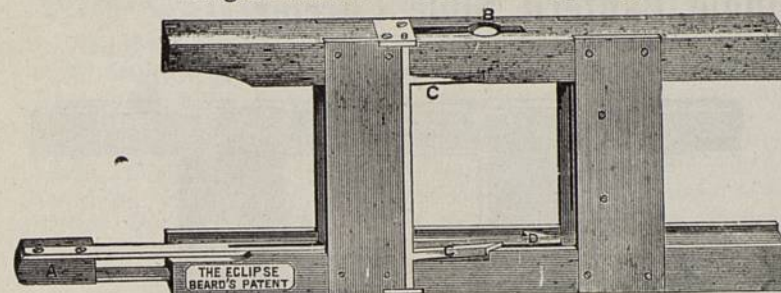
Base.—Polished oak base, fitted with two heavy quick-thread screws fitted to the front which give a tilting rise of 3 inches.

PRICES.

With 2-inch lenses, either focus 6, 8, 10, 12, or 14 inches	...	...	£16 16 0
With $2\frac{3}{4}$ -inch lenses, either focus 6, 8, 10, 12, or 14 inches	...	...	18 0 0
Extra Lenses, 2-inch, focus 6, 8, 10, 12, or 14 inches	...	...	7 0
First quality, ditto	...	...	10 0
Extra Lenses, $2\frac{3}{4}$ -inch, focus 6, 8, 10, 12 or 14 inches...	...	...	15 0
First quality, ditto	...	...	1 0 0
Stout wood travelling case with iron-bound corners, iron handles and lock and key	...	...	1 10 0

BEARD'S ECLIPSE SINGLE LANTERN SLIDE CARRIER.

The best method of producing Dissolving View effects with a Single Lantern. For Slides $3\frac{1}{4} \times 3\frac{1}{4}$.



Price 10/6 each.

The advantages of this Carrier are that the slides are inserted and withdrawn from the same side of the Lantern. There is no finger marking, as the slide need only be held with the finger and thumb by the corner. The slide can be easily placed in the frame and pushed into position by the plunger or runner, and the slide already shown is removed by the withdrawing of the plunger, and it is then ready for the next slide. The action of passing one slide before the one being shown is very pleasing in its effect, and is the nearest approach to dissolving yet obtained with a single lantern, and the ease and comfort it gives to the operator has earned for it a great reputation.

Also for preventing the usual white disc when the slides are withdrawn from the Lantern (unless desired).

Also a better and more efficient way of passing slides ($3\frac{1}{4} \times 3\frac{1}{4}$) in and out of the lantern.

This Carrier will suit all existing Lanterns, and without alteration to any part.

Centring in any Lantern as effect or mechanical slides in the usual way.

No reaching across or lifting out of groove the usual slide, for by one movement of the runner (simply drawing out) the used slide is brought to the same side ready to be taken away by the hand.

It is suitable for any Lantern or Lanterns with condensers up to $4\frac{1}{2}$ inch diameter, and is also suitable for single, double, or triple Lanterns.

By this Carrier one operator can exhibit any number of slides required.

It was highly commended by the judges of the Royal Cornwall Exhibition.

Price 10/6 each.

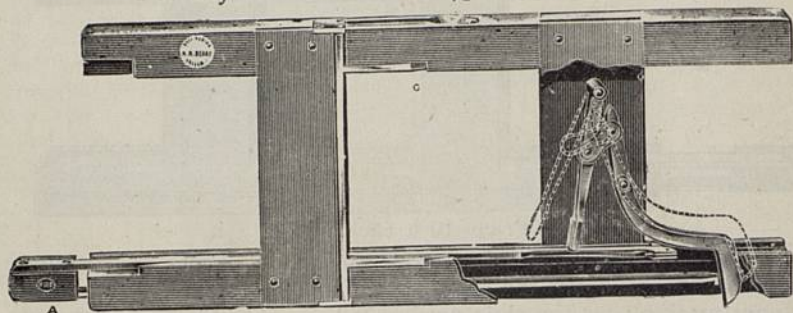
Metal Faced Eclipse Single Lantern Slide Carrier.

The wood frame being faced with brass, is suitable for electric light lanterns or those having narrow stages. Price 12s. 6d.

Entire metal frame in aluminium and riveted together, working parts in brass. Price £1 2 6

Beard's Universal Self-Centring Eclipse Single Lantern Slide Carrier.

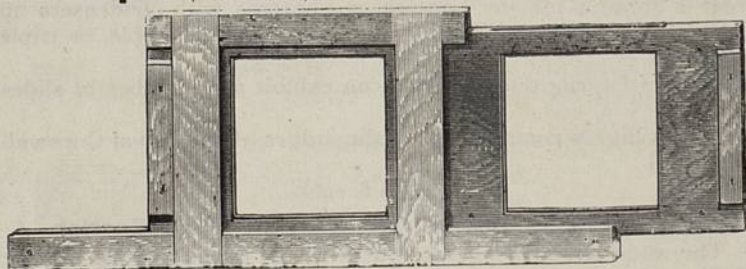
For any size Slides from $4\frac{1}{4} \times 3\frac{1}{4}$ to $3\frac{1}{4} \times 3\frac{1}{4}$.



The Best Method of producing Dissolving View Effects with a Single Lantern.
Price 12/6 each.

The advantages of this Carrier are that the slides are inserted and withdrawn from the same side of the Lantern. There is no finger marking, as the slide need only be held with the finger and thumb by the corner. The slide can be easily placed in the frame and pushed into position by the plunger or runner, and the slide already shown is removed by the withdrawing of the plunger, and it is then ready for the next slide. The action of passing one slide before the one being shown is very pleasing in its effect, and is the nearest approach to dissolving yet obtained with a single lantern, and the ease and comfort it gives to the operator has earned for it a great reputation. It prevents the usual white disc when the slides are withdrawn from the Lantern (unless desired). Also a better and more efficient way of passing slides (any size from $4 \times 3\frac{1}{4}$ to $3\frac{1}{4} \times 3\frac{1}{4}$) in and out of the Lantern. This Carrier will suit all existing lanterns. No reaching across or lifting out of groove the used slide, for by one movement of the runner (simply drawing out) the used slide is brought to the same side ready to be taken away. It is suitable for any lantern or lanterns with condensers up to $4\frac{1}{4}$ inch diameter, and is also suitable for single, double or triple lanterns. By this Carrier one operator can exhibit any number of slides required.

For slides $4\frac{1}{4}$ by $3\frac{1}{4}$ to $3\frac{1}{4}$ by $3\frac{1}{4}$	Price 0 12 6 each
Metal faced $4\frac{1}{4}$ by $3\frac{1}{4}$ to $3\frac{1}{4}$ by $3\frac{1}{4}$	" 0 15 0 "
Entire metal frame (Aluminium)	" 1 5 0 "

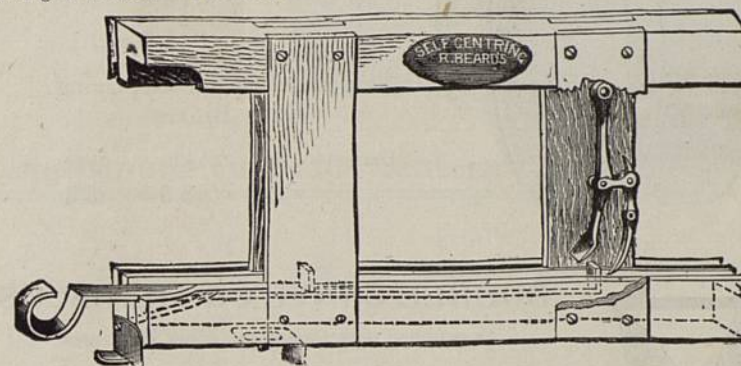


Double Slide Carrier for $3\frac{1}{4} \times 3\frac{1}{4}$ in. Slides.

Made of well-seasoned mahogany (unpolished) thoroughly well-made and finished
Price 2/- each.

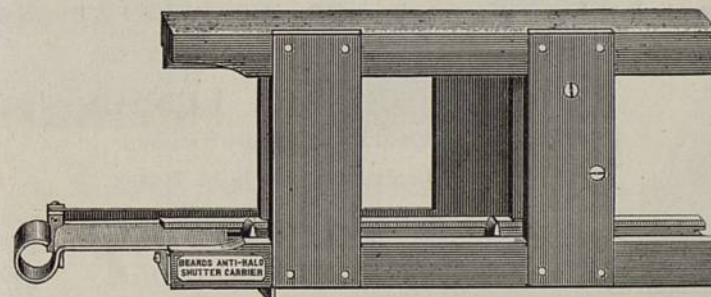
Beard's Patent Self-Centring Slide Carrier.

The advantages of this form of Carrier is that, no matter what the length of the lantern photograph or slide is, it becomes automatically centred on being placed on the brass runner and pushed home. By this means any of the commercial photographs (English, French, and American) can be used alternately or successively in the dark with perfect safety, and with infallible results. Other forms of carriers in the market, when employed for different size slides, require the operator's careful thought as to which length of slide preceded the one to be shown, or else were liable to allow the slide to fall and get broken. Price 5/-



Self-centring Carrier, with two metal masks, sliding in a groove immediately behind the photograph, so as to show the exact amount on the screen with each slide, and thus compensate for any little difference in the position of the mats on the slides. One cushion shape for French and American slides, and one circular for English, etc. Price 7/6.

The Anti-Halo Self-Centring Carrier.

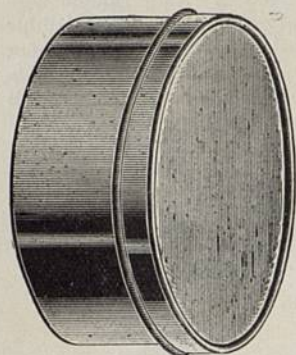


This Carrier is exactly the same as the one above described, with the addition of a metal blind or screen that automatically closes and opens the aperture in the carrier, on removing and inserting the slides. It works at the same time as the runner that carries the slide.

Price 7/6. Fitted with two Masks, 2/6 extra.

CONDENSING LENSES.

All the following Condensers are mounted in Brass Cells with Screwed Rings and well finished. The Lenses are placed loose in the cells and kept apart by an inner tube. Broken Lenses can, therefore, be replaced by anyone.



PLANO CONVEX.

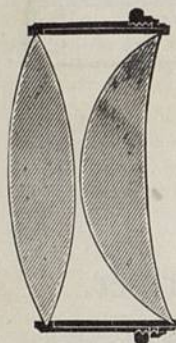
4 inch diameter, 5/6 each.

4 1/4 " " 6/6 "

4 1/2 " " 7/6 "

Single Lenses for Replacing when Broken.

Diameter	4 in.	4 1/4 in.	4 1/2 in.
	2/3	2/9	3/3



DOUBLE CONVEX & MENISCUS

As supplied with Patent and other Bioscopes.

4 inch diameter, 6/6 each.

4 1/4 " " 9/- "

4 1/2 " " 11/6 "

Single Lenses for Replacing when Broken.

	DOUBLE CONVEX.			MENISCUS.		
Diameter	4 in.	4 $\frac{1}{4}$ in.	4 $\frac{1}{2}$ in.	4 in.	4 $\frac{1}{4}$ in.	4 $\frac{1}{2}$ in.
	3/-	3/9	4/6	3/3	4/3	5/6



PLANO CONVEX LENSES.

Best Quality, Optically Ground.

For Theatrical Lime-light Boxes.

DIAMETER.	FOCUS.	EACH.	DIAMETER.	FOCUS.	EACH.
6 inch	6 inch	16/6	7 inch	9 inch	24/-
6 "	7 "	15/6	7 "	10 "	22/-
6 "	8 "	12/-	8 "	8 "	43/-
7 "	7 "	28/-	8 "	9 "	43/-
7 "	8 "	28/-	8 "	10 "	37/6

Cheap Quality Moulded, 6 inch diameter, 4/-

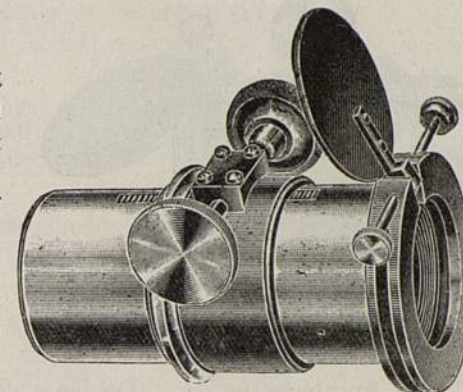
Lantern Lenses.

DOUBLE COMBINATION ACHROMATIC
2-inch diameter. Solid brass mount, double rack and pinion, hinged flashing shutter with tinting slot (any focus desired).

From 6 to 18 inch.

Price 15/- each.

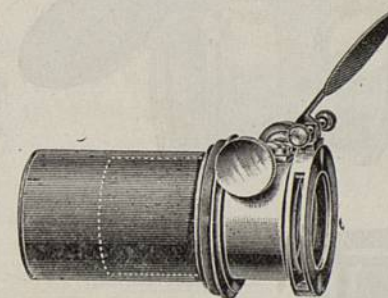
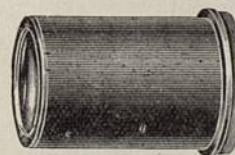
For over 18 in. Focus 17/6



Lengthening Tubes for Lantern Lense.

1	1 1/2	2	3	4 inch.
3/-	3/-	3/-	3/6	4/- each.

The "Multifocal" Lantern Objective.

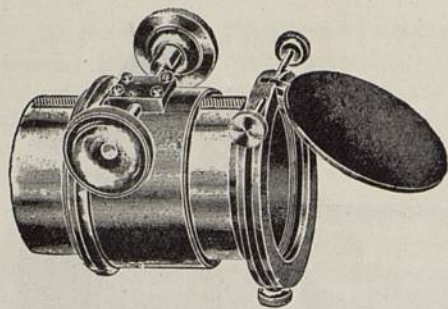


The Multifocal Objective is 6 inch focus, but with its auxiliary lens of 8 inches can be used for any focus up to 20 inches, providing the Lantern is fitted with extending front draw tubes. The definition is perfectly crisp over the whole field of view.

By this means the operator is provided with all that is required for exhibition in small rooms or large halls, and, as will be seen by the illustrations, the Multifocal, with its attachment, occupies a very small space in the lanternist's outfits.

Price complete £3 15 0.

Lantern Lense Jacket.



(For interchangeable tube lenses).

2 in. diam.

Double rack and pinion, solid brass mount, hinged flashing shutter and tinter slots.

Price **12/-** each.

Cylinder Lenses,

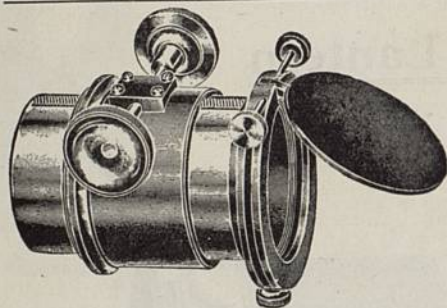
To fit above jacket. Double combination achromatic 2-inch diameter, 6, 8, 10, 12, 14, 16 inch equivalent focus.

Price **7/-** each.

18 to 30 inch focus, **10/6** „



Lantern Lense Jacket.



(For interchangeable tube lenses).

2 3/8 inch diam.

Jacket. Very massive, solid brass, with double pinion rack adjustment, hinged flashing shutter and tinter slot.

Price **20/-** each.

Cylinders

Fitted with double achromatic combinations 2 3/8 inch diameter.

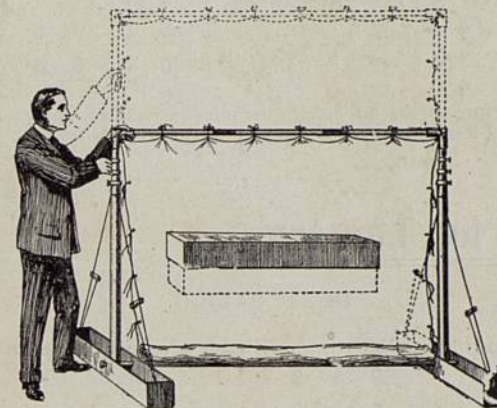
Equivalent focus of lenses, 6, 8, 10, 12, 14 or 16 inches, **16/-** each.

18 in. to 30 in., **20/-** each.

Lengthening Tubes for Lantern Lense Jackets

1	1 1/2	2	3	4 inch.
3/-	3/6	4/-	4/6	5/6 each.

The Imperial Telescopic Portable Screen Elevator.



In placing the **Imperial Portable Screen Elevator** on the market, I do so knowing the very great difficulties and obstacles placed in the way of Exhibitors in raising their sheets in Halls and Public Buildings where no provision is made for fixing pulleys or ropes for drawing up the Lantern Sheets.

This Elevator is made and capable of taking any size sheet from 20 foot square to the smallest size required; for sheets above 20 foot square, Elevators can be made specially to order. These Elevators are constructed in a most simple form that any size sheet can be fixed to the frame and raised to any height desired without any difficulty whatever by any one person.

A 20 foot Elevator and Screen when packed in its galvanised iron case, which is used as feet for the frame, measures only 5 foot long by 7 inches square.

The Upright Standards are made of specially drawn steel telescopic tubes, the top and bottom poles are made of best pine fitted with steel ferrules.

To the Telescopic Upright Standards at each joint is fixed a clamping ring and thumb screw.

PRICES.

	12 Foot.			16 Foot.			20 Foot.		
	£	s.	d.	£	s.	d.	£	s.	d.
Best Polished Nickelled Standards and Ferrules, in galvanised case	6	6	0	7	7	0	9	9	0
Dull Nickelled " " "	5	5	0	6	6	0	8	8	0
Plain Tubes " " "	5	0	0	6	0	0	8	0	0

The above prices are for tubes the smallest diameter of which is $1\frac{1}{8}$ inch. For Elevators of less than 12 foot square, tubes would be smaller and cheaper in proportion.

Screens for Lanterns.

BEST CALICO.

WITHOUT SEAMS.			WITH SEAMS.		
5ft. square	£0	4 0	12ft. square	£1	0 0
6ft. "	0	5 0	14ft. "	1	10 0
7ft. "	0	7 0	16ft. "	2	0 0
8ft. "	0	8 0	18ft. "	2	10 0
9ft. "	0	9 0	20ft. "	3	0 0
10ft. "	0	14 0			

LINEN SHEETS.—All sizes made to order. Prices on application.

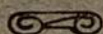
Specially Prepared Opaque Screens.

Fitted with lath and pulleys, cord and roller complete with protection cover.

6ft. square	£0	17 6
7ft. "	0	19 6
8ft. "	1	6 0
9ft. "	1	7 0
10ft. "	1	10 0
12ft. "	2	0 0
14ft. "	2	18 0
16ft. "	4	0 0
18ft. "	4	16 0

LARGER SIZES MADE TO ORDER.

Separate Sections of Catalogue.



SECTION.

A Lanterns, Carriers, Lenses, Elevators,
Sheets, etc.

B Bioscopes, Maltese Cross Projectors,
Home Cinematographs, Spool Boxes,
Iron Stands, Bioscope Lenses, Spools.

C Arc Lamps, Resistances, Carbons, Amp-
meters, Voltmeters, Switchboards.

D Compressed Gas Regulators, Gauges,
Biojector Jets, Collimator Jets, Mixed
and Blow-Through Jets, Injector Jets,
Limes, Fine Adjustment Valves.



FREE ON APPLICATION.