

CATALOGUE



THORNTON PICKARD

1926



" Babe."

Rev. R. Candwell.

Taken with a T.-P. REFLEX CAMERA.



The Park Fountain.

J. S. Ross, Habana.

Taken with a T.-P. RUBY REFLEX.



# TERMS OF BUSINESS

## ORDERS

It is respectfully requested that all orders be accompanied by remittance unless references have previously been given and an account opened.

All goods quoted in this list are subject to being in our Stock at the time of receipt of order.

## REMITTANCES

Cheques or Post Office Orders to be made payable to the THORNTON-PICKARD MANUFACTURING CO., LIMITED, and crossed LLOYD'S BANK, LTD. P.O. Orders should be made payable at ALTRINCHAM. Foreign Orders are payable in sterling by P.O. Orders at ALTRINCHAM, or by draft on a London or Manchester Bank, or by irrevocable Letter of Credit.

## ACCOUNTS

When credit ledger accounts are opened, statements are rendered for payment on the 15th day of each month.

## NEW ACCOUNTS

In opening new accounts, remittance to be sent with first order, together with Bankers' and Trade references.

## ON APPROVAL

All Goods made by the THORNTON-PICKARD MANUFACTURING CO., LIMITED, may be obtained through any dealer in Photographic Apparatus, on "approval" terms if remittance for the amount accompanies order. The Goods to be returned in perfect condition in three days if not approved, and carriage to be paid both ways.

## ELECTROS

Electros of any of the **Thornton-Pickard** specialities are sent on application, for inclusion in Dealers' Catalogues, at a nominal charge according to size. Upon return any charge is credited in full.

## CLAIMS

Experienced packers only are employed, and every care is taken to ensure safe transit. We do not, therefore, hold ourselves responsible for any loss or damage that may occur after the goods leave our premises. Claims should at once be made on the Carriers, who are alone responsible. Packing boxes are charged at the lowest rate and are not returnable.

## REPAIRS

Repairs to most makes and classes of Photographic Apparatus are undertaken. Estimates are given, and the lowest possible charges made, consistent with workman-like execution.

**N.B.**—An Estimate Invoice is sent for repairs unless we have a ledger account and specific instructions to proceed "without estimating" accompany the order.

When sending Cameras for repair see that they are carefully packed in wood box, with name and address enclosed, also advise despatch under separate cover.

Telephone : 69, Altrincham.

Telegraphic Address : "Pickard, Altrincham."

Postal Address : Thornton-Pickard Limited, Altrincham.

(If letters are addressed "Altrincham, near Manchester," they reach us a post later).

Rail Address : All goods sent to our works by Rail must be addressed :—

To BROADHEATH STATION, L.M. & S. RY., for THORNTON-PICKARD MFG. CO., LTD.

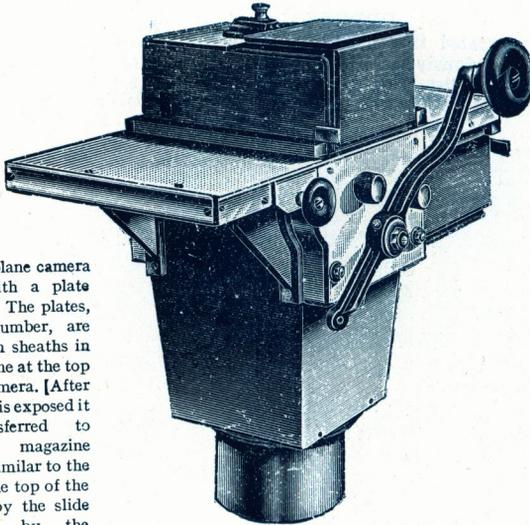
Codes Used : A B C, 5th Edition, and Bentley's. Also Special Private Code, supplied on application.

**THIS CATALOGUE CANCELS ALL PREVIOUS EDITIONS.**



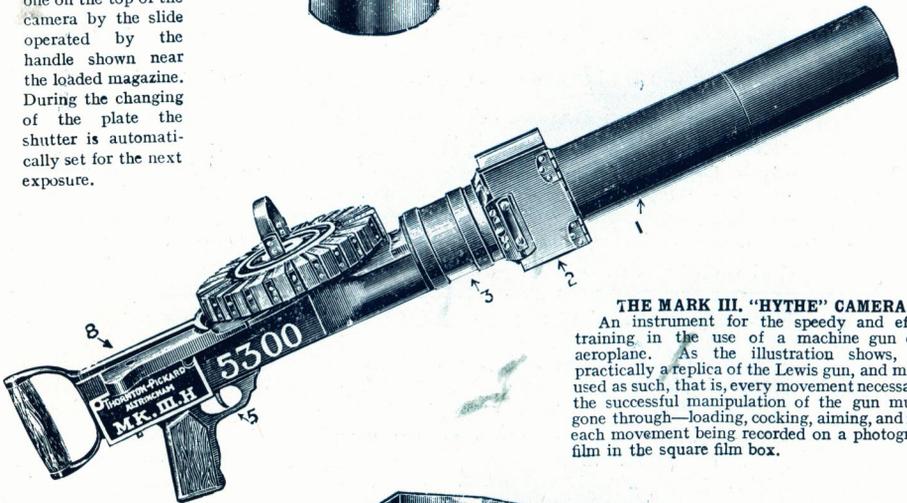
# Aeronautical Cameras

Model C.



An aeroplane camera fitted with a plate charger. The plates, 18 in number, are carried in sheaths in a magazine at the top of the camera. [After each one is exposed it is transferred to another magazine exactly similar to the one on the top of the camera by the slide operated by the handle shown near the loaded magazine. During the changing of the plate the shutter is automatically set for the next exposure.

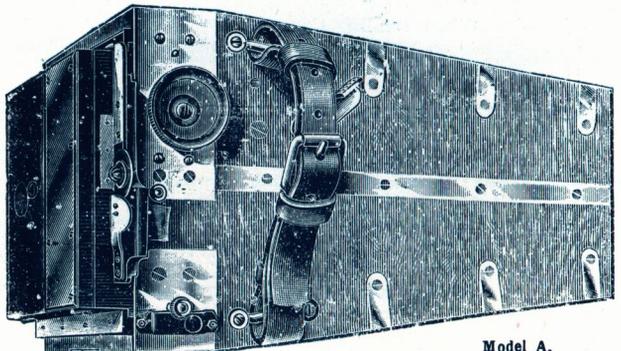
The Thornton-Pickard Company were the pioneers in Aeronautical Camera design and construction. Here are illustrated three of the most popular types, and full particulars and quotations will be sent on application.



THE MARK III, "HYTHE" CAMERA.

An instrument for the speedy and efficient training in the use of a machine gun on an aeroplane. As the illustration shows, it is practically a replica of the Lewis gun, and must be used as such, that is, every movement necessary for the successful manipulation of the gun must be gone through—loading, cocking, aiming, and firing, each movement being recorded on a photographic film in the square film box.

Used for photographing from aeroplane, it is fitted with a specially-designed focal plane shutter with adjustable aperture and spring tension. Incorporated with the shutter is an ingenious patented device which makes it impossible to accidentally expose the sensitive plate. To the back of the camera is fitted a Mackenzie Wishart slide.

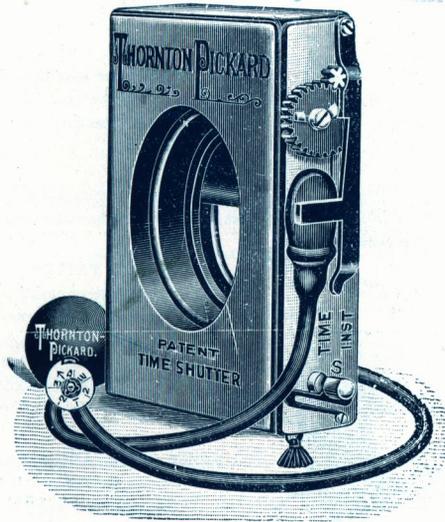


Model A.



# Time and Instantaneous Shutter

PATENT



**THE FIRST ROLLER-BLIND SHUTTER** to be perfected, it easily maintains its position as being the most reliable for use before or behind the lens, and its efficiency is only equalled by our Focal Plane Model.

The standard pattern is beautifully constructed of finest mahogany, and is finished in the highest possible manner. It is made to fit on either the Lens Hood or Tube, and can be adapted to fit more than one Lens when necessary.

The behind-lens pattern is made to be attached permanently to the camera front.

The smallest size shutter works up to 1/90th of a second. Dimensions,  $3\frac{1}{4}'' \times 3'' \times \frac{7}{8}''$ . Weight,  $3\frac{3}{4}$ -ozs.

**THE T.P. ROLLER-BLIND SHUTTERS** are capable of giving (with time exposure valve) :—

Short "time" exposures of  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , and 1, 2 and 3 seconds.

Instantaneous exposures up to 1/90th second in the two smallest sizes.

Prolonged time exposures of any duration.

## SHUTTER SPEEDS :

Size of Shutter up to...  $1\frac{1}{8}''$                        $2''$                        $2\frac{1}{2}''$                        $3''$                        $5\frac{1}{2}''$   
 Fractions of a second...  $\frac{1}{15}$   $\frac{1}{45}$   $\frac{1}{90}$      $\frac{1}{15}$   $\frac{1}{45}$   $\frac{1}{75}$      $\frac{1}{15}$   $\frac{1}{45}$   $\frac{1}{75}$      $\frac{1}{15}$   $\frac{1}{45}$   $\frac{1}{75}$      $\frac{1}{10}$   $\frac{1}{30}$   $\frac{1}{50}$

## PRICES

Size to fit on a Lens Hood or Tube	ins.	$1\frac{1}{8}$	$1\frac{5}{8}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6
Standard Pattern Time and Inst.		38/-	41/-	51/-	63/-	76/-	89/-	101/-	114/-	127/-	140/-	152/-
" " Behind Lens		31/-	33/-	35/6	39/-	43/6	49/-	55/-	61/6	70/-	80/-	100/-

**Note.**—Shutters of intermediate sizes supplied and charged at the price of the next size larger.

Self-capping T. and I. Shutter (sizes up to  $2\frac{1}{4}''$ ), extra 10/-; larger sizes ... .. extra 15/-  
 Patent disappearing cord ... .. 5/-  
 Time exposure valve ... .. 6/-  
 Ball compressor with special ball instead of ordinary ball (for use with valve) ... .. 4/6

Extra panel for Behind Lens Shutters up to  $2\frac{1}{4}''$  1/9;  $3\frac{1}{2}''$  2/6;  $5''$  3/-.  
 Winding key instead of cord fitted to shutters without extra charge.

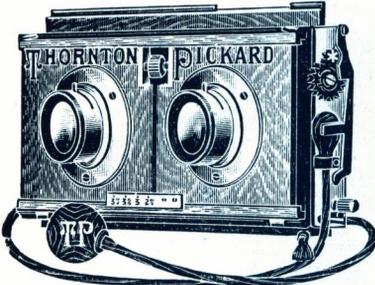
All prices quoted are subject to alteration without notice.



# Stereoscopic Shutters

PATENT

## Standard Pattern with Speed Indicator



Behind-Lens Pattern with Adjustable Panel.



Standard Before-Lens Pattern.

For stereoscopic work a good Time and Instantaneous Shutter is an **absolute necessity**. This is the simplest and the best shutter for the purpose. It is constructed on exactly the same lines as the Standard Pattern Time and Instantaneous Shutter. See page 3.

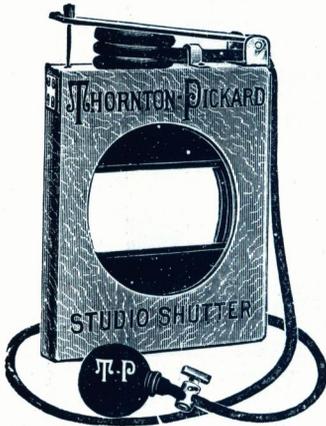
The Time Exposure Valve can also be fitted. Price, 6/- extra, and is strongly recommended.

**BEHIND-LENS PATTERN.**—To be attached to camera front. The lenses are mounted upon a detachable panel that fits into the front of the shutter. The detachable panel can be removed when it is desired to substitute another lens. The opening in the blind being the full width of the shutter permits the use of a single lens opposite the centre of the plate for ordinary views.

**PANEL WITH ADJUSTABLE CENTRES.**—The actual panel carries two smaller panels to which the lens flanges are attached. By turning a small knob the distance between the centres can be varied from  $2\frac{3}{8}$  to  $3\frac{1}{4}$  in. The panel is shown on the illustration above. Price, 15/- extra.

### PRICE LIST of Stereoscopic Shutters, including Speed Indicator.

Size to fit on a lens hood or tube up to ins. diam.	...	...	...	...	...
m/m ,,	...	...	...	...	...
	1 $\frac{1}{2}$	1 $\frac{3}{8}$	2	2 $\frac{1}{2}$	
	38	41	51	63	
Standard Pattern, mahogany, 3 in. or 3 $\frac{1}{4}$ in. centres	...	...	35/-	37/6	40/-
Behind-Lens Pattern, mahogany, 3 in. or 3 $\frac{1}{4}$ in. centres	...	...	36/6	39/-	42/6
3 $\frac{1}{4}$ in. centres, 2/6 extra; 3 $\frac{3}{4}$ in. centres	...	...	...	...	5/- extra.



## Patent Studio Shutter

NO VIBRATION.

**THIS SHUTTER IS SPECIALLY SUITABLE** for taking children, animals, and all other subjects where silence in the working of the Shutter is a desideratum. It is made on the roller blind principle, and is constructed with two separate blinds which wind upon rollers at opposite ends of the box. In their normal position the blinds cover the aperture and overlap each other.

**ON PRESSING THE PNEUMATIC BALL** to make an exposure, each blind instantly winds on its roller, causing the Shutter to open from the centre as shown partly accomplished in the illustration. On releasing the ball the blinds immediately close. In this manner any exposures may be given from  $\frac{1}{4}$ th of a second to any longer period desired.

**THE LENGTH OF EXPOSURE** is under perfect control of the operator, so that in case the subject shows any sign of movement the Shutter can be instantly closed.

**THE SHUTTER IS SET OPEN** for focussing by first pressing the ball and then turning the tap which is near the ball on the tube.

To fit on Lens Hood or Tube up to	...	...	...	...	...	...	...	...	ins. dia.	
	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	m/m dia.	
	51	63	76	89	101	114	127	140		
Silent Studio Shutter, Before-Lens	...	37/6	40/-	45/-	50/-	57/6	65/-	72/6	80/-	—
„ „ „ Behind-Lens	...	39/-	41/6	46/6	51/6	59/-	66/6	75/-	85/-	—
„ „ „ Inside Camera	...	40/-	42/6	47/6	52/6	60/-	67/6	76/-	86/-	—

Extra Fittings.—No. 1 Arabesque Ball and 2 ft. Tubing, 4/-; Teat, 2/-; Tap, 2/-.

For Self Portraiture, etc., longer lengths of Tubing can be supplied, in which case a larger Ball is also necessary. See price list of Shutter Releases on page 7.

All prices quoted are subject to alteration without notice.



# Special and Foreground Shutter



## PATENT Special Shutter

For High Speed Instantaneous Work.

Particulars of smallest size.

SPEED, up to  $\frac{1}{180}$  of a second.

DIMENSIONS,  $4\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$  in. WEIGHT,  $6\frac{1}{2}$  oz.

For those who require a quicker Shutter than the ordinary Time and Instantaneous pattern for special work, we recommend the Focal Plane Shutter as described on page 6 and which fits at the back of the Camera. Where the Focal Plane Shutter cannot be adapted, and a very rapid Shutter to fit on the lens is preferred, this "Special" Shutter is the next best for speed. It has a double blind having two openings, which pass across the lens in opposite directions at the same time, the shutter therefore opens from and closes to the centre.

## Foreground Shutters

## Thornton-Pickard Patent Time and Instantaneous

Gives more exposure to the foreground than the sky. Specially suitable for cloud effects, landscapes, seascapes, and similar subjects. The shutter is recommended on the hood in preference to the tube. Speed, same as Standard Pattern Time and Instantaneous Shutter.

To fit on Lens, Tube or Hood, up to	...	...	1 $\frac{1}{8}$ "	2"	2 $\frac{1}{2}$ "	3"	3 $\frac{1}{2}$ "	4"	4 $\frac{1}{2}$ "	5"
Special Shutter	—	...	35/-	37/6	40/-	45/-	50/-	57/6	65/-	72/6
Foreground Shutter	—	...	...	...	...	...	...	...	...	...

## Time Exposure Valve and Ball Compressor

PATENT



An extremely ingenious and simple invention; short "time" exposures of  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2 and 3 seconds, otherwise obtained by guesswork only, can be accurately timed.

FITTING.—This valuable addition can be fitted to any Thornton-Pickard Time and Instantaneous Shutter, and most makes of pneumatically operated between-lens shutters. It can **NOT** be fitted to the snapshot, special or studio shutters.

### PRICES OF VALVES, Etc.

Time Exposure Valve fitted to any Thornton-Pickard Time and Instantaneous Shutter at time of ordering, or fitted afterwards to any Thornton-Pickard Time and Instantaneous Shutter sent to us for that purpose	...	...	...	...	...	...	...	...	...	6/-
Time Exposure Valve, and new Arabesque Release, for between-lens shutters	...	...	...	...	...	...	...	...	...	9/-
Ditto for roller blind shutters	...	...	...	...	...	...	...	...	...	9/6
Time Exposure Valve only, complete in box, ready for attaching to shutter release	...	...	...	...	...	...	...	...	...	6/-
Testing customer's own valves when first fitted to new releases, in addition to price of new release	...	...	...	...	...	...	...	...	...	1/6
<b>PATENT BALL COMPRESSOR</b> with special ball in place of ordinary ball, fitted to new shutters, extra	...	...	...	...	...	...	...	...	...	4/6

## Patent Perfect Glueless Squeegee



A really practical article to replace cheap squeegees of indifferent quality generally offered. Absolutely no glue used in its manufacture. Squeegee made of specially designed beaded solid rubber held securely in groove of handle the whole length. When rubber tongue is worn a new one can be fitted.

Size	...	...	...	6"	9"	12"	15"	18"
Price	...	...	...	2/6	3/6	5/-	6/6	7/9
New Rubbers	...	...	...	1/9	2/3	3/-	3/9	4/3



# Focal Plane Shutters



**MODEL No. 1**

This, the original model Focal Plane Shutter is a most efficient instrument for obtaining photographs of objects moving at high speed.

The absence of complicated gearing makes it simple to use and reliable in action.

Range of exposures, 1/20th to 1/1000th sec.

**MODEL No. 2**  
 Whilst the original No. 1 Model Focal Plane Shutter is perfect as regards efficiency of exposure, the No. 2 Model is more convenient to operate. All the adjustments are effected from the outside. The slit is opened or closed by simply turning a knob, and the width is shown by an indicator.

Range of speeds, 1/25th to 1/1000th sec.



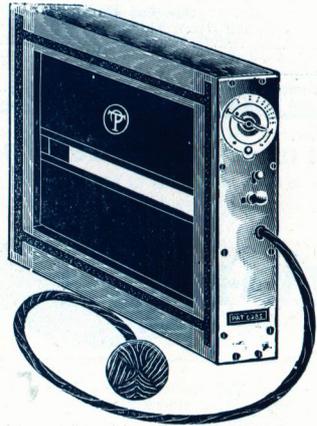
**No. 2**



**MODEL No. 3**

In the No. 3 Model all the adjustments are effected from the outside. The slit adjusting mechanism consists of a spring knob and a perforated disc. To operate, the knob is pulled outward and the pointer turned to the desired width of slit; the projection on the pointer then fits into the hole facing in the perforated disc, and locks the aperture slit until a further alteration is necessary.

Range of speeds, 1/20th to 1/1000th sec



**THE RUBY**

Self-capping Time and Instantaneous Shutter is an entirely new type of self-capping Focal Plane Shutter, and is superior to all others. It is, without doubt, the acme both of efficiency and simplicity. The Shutter is set, and the duration of the exposure determined, by one single winding key, and it fitted with the Auto Stop, which enables any selected or desired exposure to be continuously repeated without the necessity of referring to the indicator—features possessed by no other shutter.

Exposures, 1/1000th second to Time of any duration. The Patent Time Valve, page 5, may be fitted to this model, price 6/- extra, enabling automatic short-time exposures of 1/4, 1/2, 1, 2 and 3 secs. to be given.

**PRICES**

	4 1/4 x 3 1/4	1/2-plate	13 x 18 c/m. 7 1/2 x 5	1/1-plate	10 x 8 18 x 24 c/m.	12 x 10 24 x 30 c/m.
Model No. 1 ... ..	£ 2 0 0	£ 2 10 0	£ 2 15 0	£ 3 0 0	£ 4 0 0	£ 6 0 0
" No. 2 ... ..	—	—	—	—	£ 5 5 0	£ 7 0 0
" No. 3 ... ..	£ 3 0 0	£ 3 12 6	£ 4 5 0	£ 4 15 0	—	—
" Ruby ... ..	£ 4 10 0	£ 5 10 0	—	—	—	—

The cost of fitting to suit camera is extra according to work entailed.

When ordering it is advisable to send a dark slide and camera reversing back to ensure correct fitting of shutter to camera.

Full instructions for working sent with each shutter.

All prices quoted are subject to alteration without notice.



# Rubber Shutter Releases

## Arabesque Rubber Releases



The Arabesque Balls and Tubes supplied by us are all specially made from the best Para rubber, and are unequalled in quality and durability. We would caution purchasers to see that they obtain only those that have the name Thornton-Pickard moulded on the ball.

### PRICES

No.	Description	£	s.	d.
1	Standard Pattern Arabesque Round Ball, tube and teat	0	3	3
2	Between-Lens Shutter Oval Ball, tube without teat	0	3	0
3	Small Size Oval Ball and tube	0	2	9
4	Studio Shutter Release Ball, tube and bellows teat	0	6	0
	Arabesque Shutter Tubing, per ft. " tap	0	2	0
	" Teats, each	0	0	8
	" Studio Bellows Teat	0	0	8

## Large-size Arabesque Round Balls

No.	Diameter.	Working Capacity.	£	s.	d.
0	1 1/2"	Ordinary Ball for 2 ft. of tubing	0	2	0
1	1 3/4"	For Studio Shutter Release	0	2	9
3	2 1/4"	For Tubing up to 30 ft. long	0	4	0
4	2 3/4"	" " 50 ft. long	0	6	6
6	3"	" " 100 ft. long	0	13	0

THE "BLACK" and "RED" QUALITIES are recommended as being the best value obtainable at their respective prices.

The black balls have the name Thornton-Pickard and the red balls the words "T.P. Reliable" moulded on them.

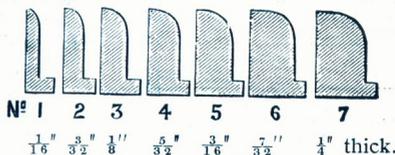


### PRICES

No.	Description	£	s.	d.
5	Black enamelled rubber ball tube and teat	0	2	9
6	Red polished " " " "	0	2	3
7	" " oval ball and tube	0	1	9
10	Black oval ball and tube suitable for Kodaks	0	1	9
11	Pocket camera shutter release	0	0	1 6
	Black and red teats	0	0	6

## Rubber Mouldings

The rubber moulding is fitted around the lens opening in before-lens shutters to ensure a good fit on the lens, and is also used when a shutter is required to work on two or more lenses of different size.



Price, 1/4 per foot, or any less quantity.

In case a very large shutter has to be adapted to a very small lens, a wooden adapter is necessary.

Price, 3/- to 2 1/2" diameter, and 3/6 if larger.



# Rubber Shutter Releases

## Arabesque Rubber Releases



The Arabesque Balls and Tubes supplied by us are all specially made from the best Para rubber, and are unequalled in quality and durability. We would caution purchasers to see that they obtain only those that have the name Thornton-Pickard moulded on the ball.

### PRICES

No.		£	s.	d.
1	Standard Pattern Arabesque Round Ball, tube and teat ... ..	0	3	3
2	Between-Lens Shutter Oval Ball, tube without teat ... ..	0	3	0
3	Small Size Oval Ball and tube ... ..	0	2	9
4	Studio Shutter Release Ball, tube and bellows teat ... ..	0	6	0
	Arabesque " tap ... ..	0	2	0
	Arabesque " Shutter Tubing, per ft. ... ..	0	0	8
	Teats, each ... ..	0	0	8
	" Studio Bellows Teat ... ..	0	2	0

## Large-size Arabesque Round Balls

No.	Diameter.	Working Capacity.	£	s.	d.
0	1 1/2"	Ordinary Ball for 2ft. of tubing ... ..	0	2	0
1	1 3/4"	For Studio Shutter Release ... ..	0	2	9

## Note

The Prices quoted for Focal Plane Shutters do not include the parts for attaching shutter to camera. The necessary wood parts, loose and unfitted, consisting of body frame, slide rails and focussing screen frame with glass, may be had at an additional price of:—

1/4-plate	1/2-plate	13 × 18 c/m.	1/1-plate	10 × 8	12 × 10
7/6	12/6	15/-	17/6	25/-	37/6

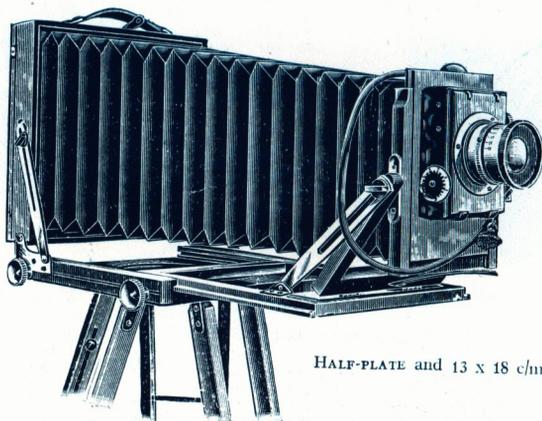
The Price for specially fitting shutter to camera, and dark slide to shutter on cameras of other than our manufacture is extra, according to work entailed.

The shutters are also supplied ready fitted for attaching to our College, Imperial, and Royal Ruby Triple Field Cameras at an extra price of:—

1/4-plate	1/2-plate	13 × 18 c/m.	1/1-plate	10 × 8	12 × 10
15/-	25/-	30/-	35/-	50/-	75/-



# College Outfits



HALF-PLATE and 13 x 18 c/m.

The simplicity of operation of the College Camera makes it an ideal instrument for the beginner. The camera is fitted with double extension, and where the extreme length of extension, such as is obtainable in the Imperial and Royal Ruby Cameras, is not required, the outfit will be found most serviceable.

## SPECIFICATION.

**CAMERA.**—Fine quality mahogany, beautifully finished and polished. Machine-made, extra heavy brass stretchers and mountings. Double extension worked by racks and pinion. Double swing reversing and focussing back. Rising, falling and extending swing front. Best leather bellows.

**SHUTTER.**—T.-P. roller blind, time and instantaneous, with speed indicator and pneumatic release.

**DARK SLIDE.**—Best mahogany blockform, double rabbeted shutters, well polished and finished in  $\frac{1}{2}$  pl. size. Double Bookform in 13 x 18 c/m, size.

**TURNTABLE.**—Solid brass, well finished and lacquered.

**TRIPOD.**—Two-fold, best quality, well polished.

**LENS.**—As below.

## PRICES OF OUTFITS WITH VARIOUS LENSES

Complete Outfit with Lens.	Series.	Aperture.	ins.		7 x 5 ins.
			$6\frac{1}{2} \times 4\frac{3}{4}$	$13 \times 18$ c/m	
Beck Rapid Symmetrical ... ..	—	F8	£ 8 10 0	£ 9 10 0	£ 9 10 0
Aldis Anastigmat ... ..	III.	F7.7	9 10 0	11 10 0	11 10 0
Beck Neostigmat ... ..	III.	F6	12 5 0	13 5 0	13 5 0
Taylor-Hobson, Cooke Anastigmat ... ..	IIIb.	F6	15 10 0	16 10 0	16 10 0
Dallmeyer Stigmatic ... ..	II.	F6	16 0 0	16 0 0	16 0 0
Ross Homocentric ... ..	III.	F6.3	13 12 6	16 12 6	16 12 6
Goerz Dogmar ... ..	—	F6.3	13 10 0	19 10 0	19 10 0
Zeiss Tessar ... ..	—	F6.3	13 10 0	16 10 0	16 10 0
Outfit without Lens ... ..	—	—	6 10 0	7 10 0	7 10 0
Camera and Slide only ... ..	—	—	5 0 0	6 0 0	6 0 0

## ACCESSORIES

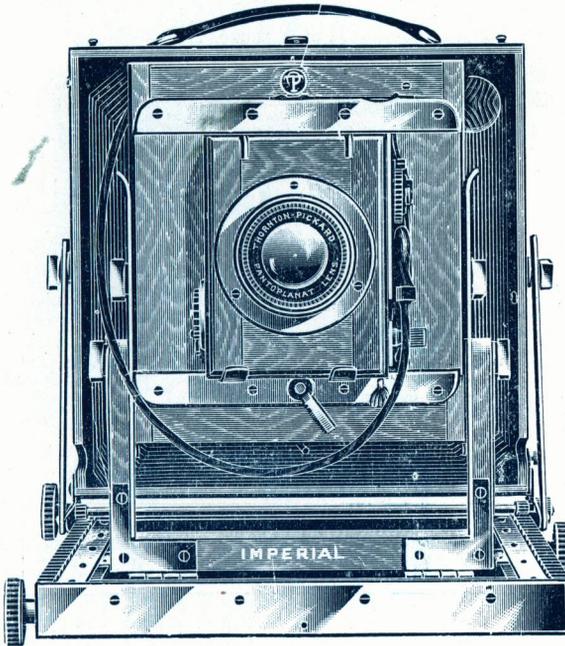
Extra mahogany blockform slides, each ... ..	£ 0 10 0	£ — 0 0
Extra mahogany bookform slides ... ..	1 1 0	1 5 0
Film Pack Adapter ... ..	1 17 6	— 0 0
Carrying case, pattern K ... ..	1 0 0	1 2 6
Carrying case, pattern L ... ..	0 17 6	1 0 0
Plate carriers for smaller plates ... ..	0 1 6	0 1 9

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.  
All prices quoted are subject to alteration without notice.



## Imperial Outfits

ADOPTED—in competition with other makes—by  
the ROYAL AIR FORCE as their Standard  
Camera for ground work



The **IMPERIAL** inaugurated the era of a triple-extension camera at a low price—it led the way in simplification of camera manufacture and standardisation of fittings. Its strong yet light framework, long extension, wide front, deep, wide-mouthed leather bellows, side swing, independent rise, fall, and cross movement of lens for wide-angle work, are amongst some of the striking improvements which have placed, and which maintain it in the forefront of photographic apparatus.

To the half-plate and larger sizes is fitted a third pinion and extra rack, providing a mechanical focussing movement to the body; this adjustment is of great value when copying. Another very attractive feature is its set of spring stretchers fitted to both front and back, automatically locking them in true perpendicular to the baseboard, and consequently parallel with each other, thus greatly assisting in the ease and rapidity with which the camera is erected for use. The appearance of the camera is very attractive, and since the addition of the three brass bars, which greatly strengthen the front, it is much enhanced in this respect, and is acknowledged to be the standard popular outfit. The resources of this camera are practically unlimited. With it any class of work can be successfully carried out, and it is equally adaptable for both shortest focus lenses and telephoto work. Further, it possesses that solid rigidity in every position which is so essential to success. The Imperial is a sound, practical camera that is not only suitable for the inexperienced, but will satisfy the needs of the most advanced worker. Sizes,  $4\frac{1}{4}'' \times 3\frac{1}{4}''$  to  $12'' \times 10''$ .



# Imperial Outfits



## SPECIFICATION

**CAMERA.**—Best selected mahogany, beautifully polished, best quality brass work, highly finished and lacquered; triple racks and pinions giving long extension, rack work focussing body, reversing and double swing back, automatically locking when in vertical position; mechanical side swing, self-locking swing front, rise and fall movement of great latitude, independent panel rise, and cross movement.

**BELLOWS.**—Real leather, with truncated corners.

**TURNTABLE.**—Improved design in brass, with machined lugs and clamp.

**SHUTTER.**—T.-P. standard time and instantaneous, speed indicator and pneumatic release.

**DARK SLIDE.**—Best mahogany, bookform, with hinged metal division,  $\frac{1}{2}$ -plate and upwards. Solid pattern with metal draw-out shutter to smaller sizes.

**STAND.**—Best ash, three-fold rule-joint with sliding legs.

**LENS.**—As specified.

The Third Rack and Pinion is fitted to all cameras from  $\frac{1}{2}$ -plate upwards, but is not suitable for smaller sizes.

## PRICES

Outfit with Lens.	Series.	Largest Aperture.	$4\frac{1}{2} \times 3\frac{1}{2}$		$5 \times 4$ $9 \times 12$ c/m. and $5\frac{1}{2} \times 3\frac{1}{2}$		$6\frac{1}{2} \times 4\frac{1}{2}$		$13 \times 18$ c/m. $7 \times 5$		$1/1$ -plate $8\frac{1}{2} \times 6\frac{1}{2}$		$18 \times 24$ c/m.		$24 \times 30$ c/m. $12 \times 10$			
			£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	
Beck Rapid Sym. ...	—	F8	10	0	0	10	5	0	10	15	0	12	0	0	16	15	0	
Aldis Anastigmat ...	III.	F7.7	10	15	0	11	5	0	11	15	0	14	0	0	18	5	0	
Aldis Anastigmat ...	IIA.	F6.3	12	10	0	13	10	0	—	—	—	—	—	—	—	—		
Beck Iostigmat ...	II.	F5.8	13	0	0	13	15	0	15	5	0	19	10	0	—	—		
Taylor-Hobson ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Cooke Aviar Anastig. ...	IIIb.	F6.3	13	14	0	15	5	0	17	15	0	19	0	0	25	15	0	
Dallmeyer Stig. ...	II.	F6	15	5	0	17	0	0	18	5	0	20	10	0	27	5	0	
Ross Homocentric ...	III.	F6.3	13	15	0	14	12	6	15	17	6	19	2	6	26	0	0	
Goerz Dagor ...	—	F6.8	15	5	0	17	10	0	18	15	0	22	0	0	27	5	0	
Zeiss Tessar ...	—	F6.3	13	15	0	14	10	0	15	15	0	19	0	0	34	5	0	
Outfit without Lens only	—	—	8	5	0	8	10	0	8	15	0	10	0	0	13	5	0	
Camera and Slide only	—	—	6	5	0	6	15	0	7	0	0	8	5	0	11	0	0	
			0	16	0	0	21	0	0	16	0	0	25	0	0	32	10	0
			0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0

## ACCESSORIES FOR COLLEGE AND IMPERIAL CAMERAS

		£	s.	d.															
Brass binding camera only ...	extra	2	10	0	2	10	0	3	2	6	3	17	6	3	17	6	4	10	0
Extra mahogany slides ...	each	0	17	6	0	18	6	1	1	0	1	5	0	1	15	0	2	10	0
Brass binding slides ...	extra	0	9	6	0	9	6	0	11	0	0	12	0	0	13	0	0	17	6
Film Pack Adapter ...	...	1	7	6	1	12	6	1	17	6	—	—	—	—	—	—	—	—	—
Carrying case, pattern K ...	...	0	15	0	0	17	6	1	0	0	1	2	6	1	5	0	2	0	0
Carrying case, pattern L ...	...	0	12	6	0	14	0	0	17	6	1	0	0	1	2	6	0	3	0
Plate carriers for smaller plates ...	...	—	—	—	0	1	6	0	1	6	0	1	9	0	2	0	0	3	0
Film carriers ...	each	0	0	6	0	0	9	0	1	9	0	1	9	0	3	0	—	—	—

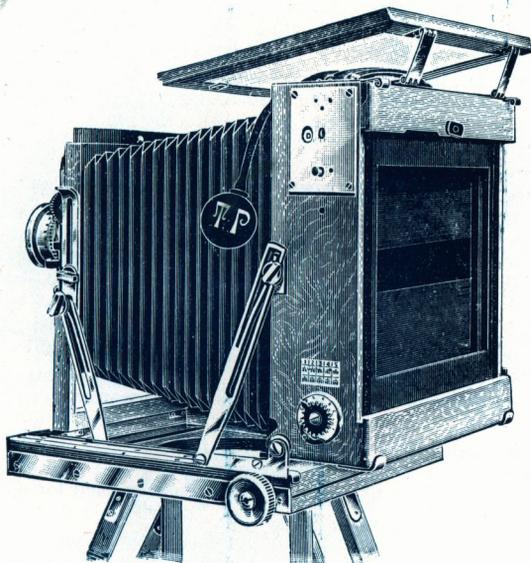
A limited number of solid block form double slides,  
 $\frac{1}{2}$ -pl. size, Suitable for above Cameras, may be obtained, price 10/- each.

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.  
All prices quoted are subject to alteration without notice.



# Focal Plane Imperial

## TWO SHUTTER CAMERA Half-plate size.



### Exposures up to 1/1,000th of a second.

This camera, which is sold as a complete outfit, is generally similar to the Imperial Triple Extension Outfit as described on page 00, but with the addition of a special pattern focal plane shutter built in the camera body.

The focal plane shutter has three apertures—one full width of the plate for focussing purposes; the second about  $1\frac{1}{4}$ " wide, for slow and medium instantaneous exposures; and the third one is a narrow slit for high-speed instantaneous exposures up to 1/1,000th second. Outside indicators and speed tablet show at a glance the requisite combination of spring tension and slit for any given exposure. The great range of speeds from "Time" to 1/1,000th second renders this camera suitable for any class of subject.

### • SPECIFICATION

Exactly as on page 10 but with the addition of Focal Plane Shutter built in the Camera body.

Outfit with			£	s.	d.
Beck Symmetrical Lens	...	...	—	F8	12 15 0
Aldis Anastigmat	...	...	Ser. III.	F7.7	13 15 0
Taylor-Hobson Cooke Aviar Anastigmat	...	...	Ser. IIIb.	F6	19 15 0
Dallmeyer Stigmatic	...	...	Ser. II.	F6	20 5 0
Dallmeyer Serrac	...	...	Ser. XV.	F4.5	21 15 0
Ross Homocentric	...	...	—	F6.3	17 17 6
Ross Xpres	...	...	—	F4.5	21 15 0
Goerz Dagor	...	...	—	F6.8	20 15 0
Zeiss Tessar	...	...	—	F6.3	17 15 0
Outfit without Lens	...	...	—	—	10 15 0
Camera and Slide only	...	...	—	—	9 0 0

FOR ACCESSORIES, SEE PAGE 10.

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.  
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# Royal Ruby

## King of Cameras

In the **ROYAL RUBY** Triple Extension Camera we embody our accumulated experience of high-grade camera construction. The model will specially appeal to those who appreciate refinement of detail and beauty of finish. It has unique practical movements and features not to be found in any other model.

Whilst this camera has such an unlimited range of movements, it is no way complicated. On the other hand, the ease and simplicity with which the many and varied adjustments are brought into action is remarkable. The greatest possible care and attention is bestowed on the manufacture of the camera in every process and in its smallest detail.

It has the patent **OMNIFLEX UNIVERSAL SWING FRONT**, which will allow the front to be raised, lowered, swung backwards or forwards, or instantly fixed at any angle, by a single turn of the locking nuts. Moreover, when the front is swung forward, as illustrated on page 13, it may be raised or lowered at will by means of the slotted runners fitted to the side of the front, a movement not obtained in any other camera of this kind—only in the T.P. Royal Ruby.

**VERTICAL SWING.**—Both the back and front may be swung backwards or forwards and clamped into position by a set screw on either side.

**HORIZONTAL OR SIDE SWING TO THE BACK.**—This is obtained by mechanical means, a special device being fitted at the rear end of the baseboard on the left-hand side.

**BACK FOCUSING.**—The back or body of the camera can be racked to any desired position on the baseboard by means of rack and pinion, this method of focussing being a great convenience when the camera is used for copying or photographing to a desired scale.

**SHORT FOCUS.**—By the method of mounting the front fork and stretchers on the patented horn-plate, lenses of the shortest focus may be used, and in this position a larger amount of rise and fall may be obtained by means of the independent supplementary front panel. This panel can be locked by an ingenious device in any desired position.

**REVERSING BACK.**—The back of the camera is reversible enable to either horizontal or vertical pictures to be taken as desired. It is fitted with a patent spring focussing screen, which greatly facilitates the insertion of the dark slide by guiding it into position. It will also be found of great service when the camera is used in the hand, as the screen will fit closely up against the slide and out of the way.

**SPRING STRETCHERS** are fitted to the back and front of the camera, automatically locking both in vertical positions when erected; at the same time they do not interfere with any swinging movement it may be desired to give.

**BELLOWS.**—The bellows are extremely wide—in fact, almost parallel—so obviating any fear of cut-off when using extreme rise or fall, and also enabling the camera to be used with a pair of lenses for stereoscopic work.

**TRIPLE EXTENSION.**—The baseboard of the camera is fitted with two extending frames, thus permitting the use of single combinations or of other long focus and telephoto lenses. When fully extended, the camera is perfectly balanced, thus ensuring steadiness.

**TURNTABLE.**—Of registered design, and consists of a machined-turned brass ring fitted with turned knobs into which the legs of the tripod fit and bearing on an outer ring, giving a perfectly smooth, circular, rotating movement to the camera, it is also provided with a clamping device.

The refined beauty of the Royal Ruby is a source of pleasure which the discerning photographer is bound to appreciate.



# Royal Ruby

## MOVEMENTS OF THE ROYAL RUBY CAMERA

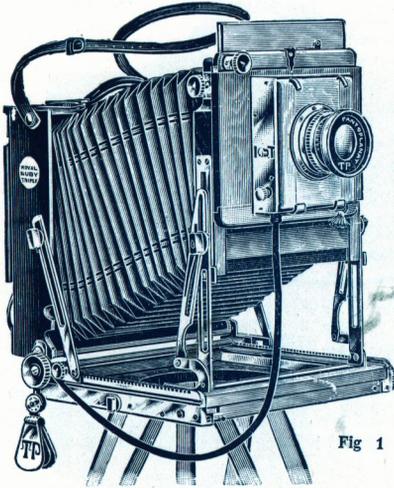


Fig 1

Rising front, with independent rising panel racked upwards. In the Half-plate size, the total rise above centre of plate is  $\frac{3}{4}$ ".

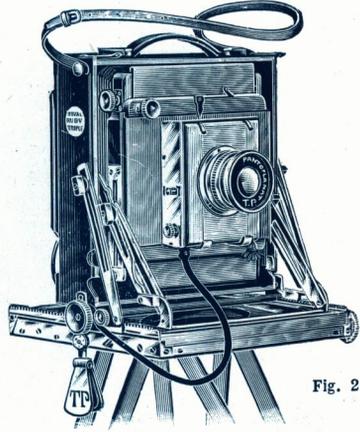


Fig. 2

A method of obtaining short focus movement. Omniflex swinging front swung inwards, and focussing body racked partially along the baseboard.

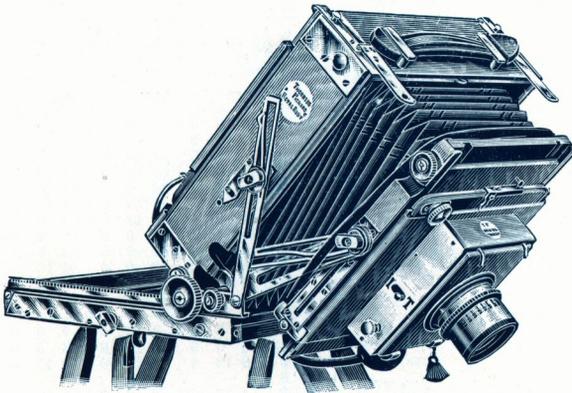


Fig. 3

A unique and extraordinary movement only obtained with the Royal Ruby Cameras.

Engineer's sketch, showing the Camera front swung forward over the edge of the baseboard, and illustrating a special feature of the Royal Ruby, in which it is superior to all other swinging front cameras. Not only are the swinging stretchers slotted, but the front is strengthened with a slotted sideplate, in which the front rises and falls without altering the focus of the camera.

Showing rise and fall combined with swinging movement.

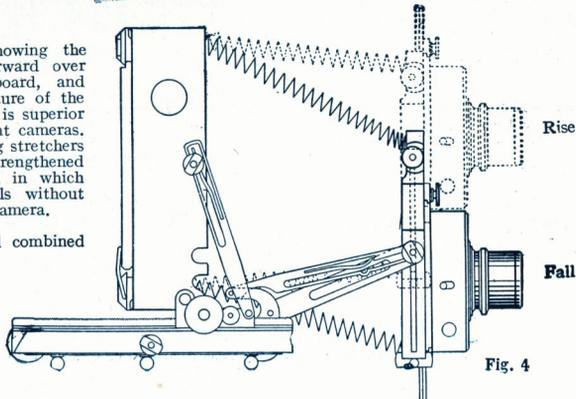
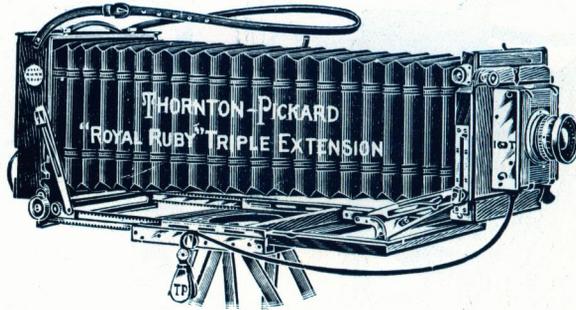


Fig. 4



# Royal Ruby Outfits



## SPECIFICATION

**CAMERA.**—Of finest selected mahogany, exquisitely polished, with highly polished machine-cut brass work. Triple extension, Rear extension frame, metal throughout. Reversing and triple swing back, automatically locking when vertical and parallel. Rack and pinion adjustments to back, front and body T-P, Time and Instantaneous Shutter on Omnilflex swinging front. Best leather bellows, wide mouth, Machine-turned turntable.

**SLIDE.**—Double bookform, selected mahogany, with hinged metal division and recorders.

**STAND.**—Ruby three-fold automatic.

**LENS.**—As specified below.

## PRICES

Outfit with Lens.	Series.	Largest Aperture.	$6\frac{1}{2} \times 4\frac{3}{4}$		$7\frac{1}{2} \times 5$ $13 \times 18$ c/m.		Whole-plate $8\frac{1}{2} \times 6\frac{1}{2}$		$18 \times 24$ c/m.	
			£	s. d.	£	s. d.	£	s. d.	£	s. d.
Aldis Anastigmat ... ..	III.	F7.7	24	0 0	29	0 0	35	0 0	—	—
Beck Iostigmat ... ..	II.	F5.8	27	10 0	34	10 0	—	—	—	—
Taylor-Hobson Cooke Anastigmat	IIIb.	F6	30	0 0	37	10 0	42	10 0	—	—
Taylor-Hobson Cooke Aviar ... ..	II.	F4.5	35	0 0	39	0 0	55	0 0	70	0 0
Dallmeyer Stigmatic ... ..	II.	F6	30	10 0	35	10 0	44	0 0	54	0 0
Ross Homocentric ... ..	III.	F6.3	28	2 6	34	2 6	42	15 0	53	15 0
Ross Combinable ... ..	—	F5.5	38	10 0	44	15 0	54	15 0	75	2 6
Ross Xpres ... ..	—	F4.5	32	0 0	39	10 0	59	0 0	85	0 0
Goerz Dogmar ... ..	—	F4.5	33	10 0	39	0 0	52	0 0	63	0 0
Zeiss Tessar ... ..	1c.	F4.5	31	5 0	39	0 0	58	0 0	80	10 0
Camera Outfit without Lens	—	—	21	0 0	25	0 0	30	0 0	35	0 0
Camera and Slide only ... ..	—	—	19	0 0	23	0 0	27	0 0	31	10 0
Outfit brassbound ... ..	extra	—	4	0 0	5	0 0	6	10 0	7	0 0
Mahogany slides ... ..	each	—	1	15 0	2	0 0	2	10 0	3	5 0
Brassbinding slides ... ..	extra, each	—	0	12 6	0	12 6	0	15 0	0	17 6
Film Pack Adapter ... ..	—	—	1	17 6	—	—	—	—	—	—
Best quality waterproof cloth case, pattern C	—	—	1	15 0	1	17 6	2	0 0	2	10 0
Do. do. pattern D ... ..	—	—	2	5 0	2	10 0	2	15 0	3	5 0
Best quality stiff solid leather case, pattern F...	—	—	4	0 0	4	10 0	5	10 0	6	10 0
Do. do. pattern G ... ..	—	—	6	0 0	6	10 0	7	10 0	9	0 0

**THE ROYAL RUBY TRIPLE EXTENSION CAMERA** in the  $\frac{1}{2}$ -plate,  $7\frac{1}{2} \times 5$ , and whole-plate sizes can be supplied so adapted as to be suitable both for ordinary and stereoscopic work, the following additions and modifications only to the standard outfit being necessary.

- 1.—A PAIR OF STEREOSCOPIC LENSES, specially selected and adjusted to identical focus to give uniform definition.
- 2.—A BEHIND-LENS STEREOSCOPIC SHUTTER in place of the standard behind-lens shutter.
- 3.—EXTRA FRONT PANEL to fit stereo shutter, to carry ordinary lens, mounted centrally, taking full-size pictures.
- 4.—A DETACHABLE STEREO DIVISION, for fitting inside the camera when taking stereoscopic views.

## PRICES WITH LENSES ON APPLICATION.

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.  
All prices quoted are subject to alteration without notice.



# Puck Roll Film Camera



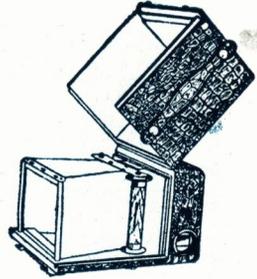
Two Sizes :

Model No. 2.  
For Pictures  
 $3\frac{1}{2} \times 2\frac{1}{2}$ .

Model No. 2a.  
For Pictures  
 $4\frac{1}{2} \times 2\frac{1}{2}$ .

The Puck Box Roll Film Cameras embrace many absolutely new features adding greatly to the efficiency of the instruments and to the simplicity of manipulation.

The simplest of all Roll Film Cameras.  
Ideal for the girls and boys.  
No awkward spool chambers.  
Camera opens completely for loading  
and unloading.  
Takes any standard films.



## SPECIFICATION.

**Camera.**—Handsomely covered with leatherette. Leather handle. Plated and enamelled fittings. Easy loading spool holders. Plated film rollers, spring register plate.

**Shutter.**—Time and Instantaneous.

**Lens.**—Single Achromatic with 3 aperture diaphragm

**View Finders.**—One each for horizontal and vertical pictures.

## PRICES.

	Mod. No. 2.		Mod.No. 2a.	
	£	s. d.	£	s. d.
Complete as above, with Single Achromatic Lens ... ..	0	13 6	0	18 6
Waterproof Case, with shoulder strap ... ..	0	4 0	0	5 6



# Ruby Roll Film Camera

## VEST POCKET MODEL.

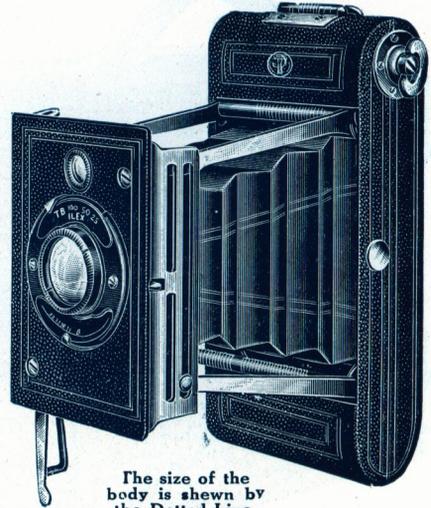
For Pictures

2½ ins. × 1⅝ ins.

Light in weight.

Dainty in appearance.

A thoroughly practical Camera  
in miniature.



The size of the  
body is shown by  
the Dotted Line.

### SPECIFICATION

**Body.**—Entirely of metal, covered in seal grained leather. Blocked metal light proof back, nickel-plated stretcher arms, winder and catches. Leather bellows.

**Front.**—Metal, leather covered, plated runners and strut.

**Shutter.**—Self-Setting for Time, Bulb and Instantaneous exposures of 1/25th, 1/50th and 1/100th second.

**Finder.**—Brilliant, hinged.

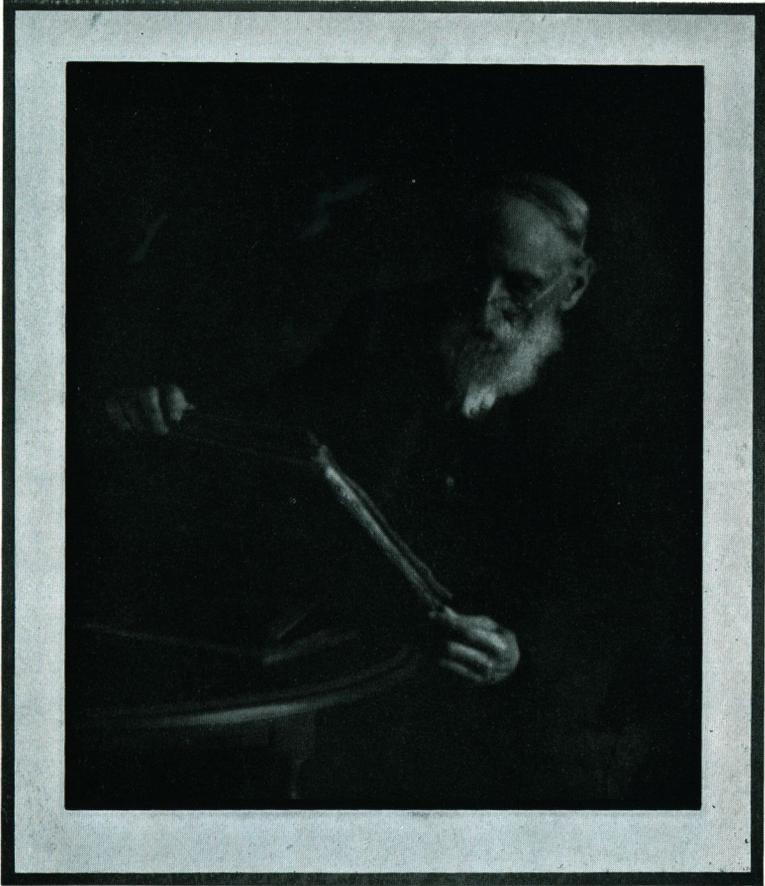
**Lens.**—As below.

### PRICES

	£	s.	d.
A1, with Single Achromatic Lens ... ..	1	15	0
A2, with Rapid Rectilinear Lens ... ..	2	2	0
A3, with Ruby Anastigmat Lens F7.7 ... ..	3	3	0
A4, with Ruby Anastigmat Lens F6.3 ... ..	3	12	6

### Accessories.

Carrying Case, solid leather, velvet lined, with shoulder strap ... .. 0 7 6



Portrait.

Rev. R. Candwell.

Taken with a T.-P. REFLEX CAMERA.



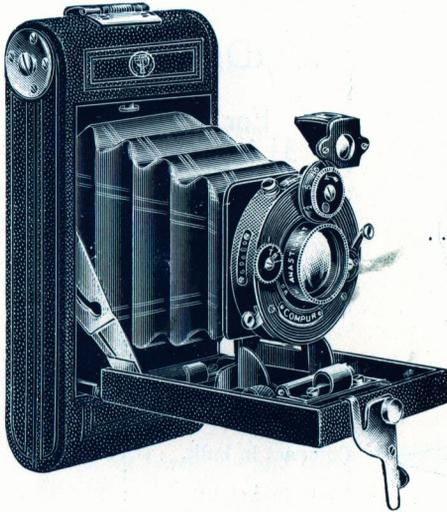
Blackheaded Gull alighting at nest.

A. H. Willford.

Taken with a T.-P. ROLLER BLIND SHUTTER.



# Ruby Roll Film Camera



The size of the body is shown by the Dotted Line

## VEST POCKET MODEL DE LUXE

For Pictures  $2\frac{1}{2}$  ins.  $\times$   $1\frac{5}{8}$  ins

A Miniature Roll Film Camera with all the equipment and perfection of the larger models.

ADJUSTABLE FOCUSING—  
for near objects.

HINGED BASEBOARD—  
Lens and shutter completely covered and protected when closed.

### SPECIFICATION

**Body.**—All metal, covered with fine morocco grained leather. Blocked metal perfect fitting back with ruby window. Plated automatic spring stretchers. Engraved self-locking focussing scale. Plated and black enamel fittings. Leather bellows.

**Front.**—Extremely rigid, hinged base with nickelled pull out.

**View Finder.**—Brilliant, swivelling for Horizontal and Vertical pictures.

**Shutter.**—Self-setting for Bulb, Time and Instantaneous exposures of  $\frac{1}{25}$ th,  $\frac{1}{50}$ th,  $\frac{1}{100}$ th second, Models AB3 and 4.

### PRICES

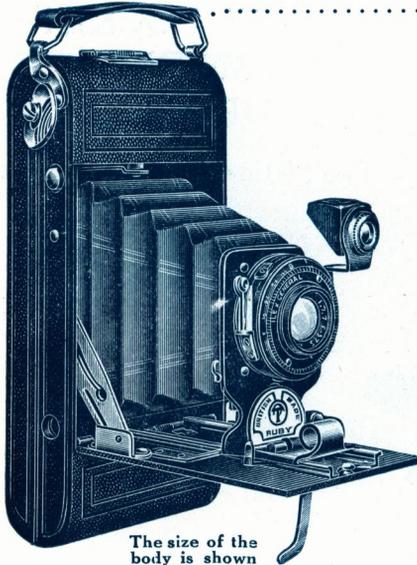
	£	s.	d.
AB3, with Ruby Anastigmat Lens F7.7	3	10	0
AB4, with Ruby Anastigmat Lens F6.3	4	0	0
AB5, with Ruby Anastigmat Lens F4.5, in COMPUR Shutter	9	9	0
for Bulb, Time and Instantaneous Exposures : : 1 second to $\frac{1}{3000}$			

### Accessories

Carrying Case, solid leather, velvet lined, with shoulder strap	0	7	6
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# Ruby Roll Film Camera



The size of the body is shown by the dotted line.

MODEL No. 1.

For Pictures  
 $3\frac{1}{4}$  ins.  $\times$   $2\frac{1}{4}$  ins.

- An example of superior British manufacture.
- Practically all metal throughout.
- Extremely strong and rigid.
- Compact in bulk.
- Light in weight.
- Chaste in appearance.

## SPECIFICATION

**Body.**—All metal with pressed metal back, leather covered. Back fitted with spring register plate and ruby sighting window. Easy loading, swinging spool arms, plated film rollers and winder. Tripod bush. Leather carrying handle.

**Baseboard.**—Metal, leather covered and black enamelled. Plated runner base and automatic spring stretchers, spring focussing scale. Tripod bush.

**Front.**—Black enamelled on rigid hinged base, fitted with struts for Horizontal or Vertical pictures.

**View Finder.**—Brilliant, and pivoted for Vertical or Horizontal pictures.

**Shutter.**—Models C1 and 2 Everset for Instantaneous exposures of  $1/25$ th,  $1/50$ th,  $1/100$ th second, Time and Bulb. Models C3 and 4 General, giving Time, Bulb and Instantaneous exposures of  $1/5$ th,  $1/10$ th,  $1/25$ th,  $1/50$ th and  $1/100$ th second.

**Lens.**—As below.

## PRICES

	£	s.	d.
C1, with Single Achromatic Lens ... ..	2	10	0
C2, with Rapid Rectilinear Lens F8 ... ..	3	0	0
C3, with Ruby Anastigmat Lens F7.7 ... ..	3	15	0
C4, with Ruby Anastigmat Lens F6.3 ... ..	4	5	0

## Accessories

Carrying Case, solid leather, velvet lined with shoulder strap ... ..	0	9	6
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# Ruby Roll Film Camera

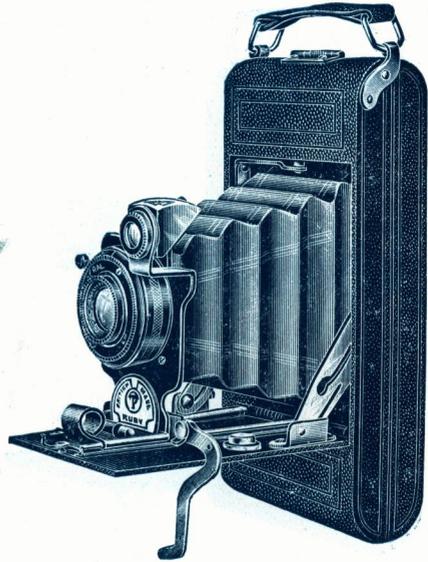
MODEL No. 1a.

For Pictures

$4\frac{1}{4}$  ins.  $\times$   $2\frac{1}{2}$  ins.

Similar Camera to Model No. 1,  
but made for the increasingly  
popular panel shaped picture.

Ideal for Landscape and Por-  
traiture.



## SPECIFICATION

**Body.**—Stamped metal throughout. Stamped metal accurate fitting back with register springs, body and back covered with fine leather. Hinged easy loading spool arms. Plated winder and other fitting. Tripod bush. Leather handle.

**Baseboard.**—Stamped metal, covered with fine leather and black enamelled. Nickel-plated runners and spring stretchers. Tripod bush. Self-acting engraved focussing scale.

**Front.**—Solid and rigid front on substantial base.

**View Finder.**—Brilliant swinging for Horizontal or Vertical pictures.

**Shutter.**—Models D1 and 2. Everset for Instantaneous exposures of  $\frac{1}{25}$ th,  $\frac{1}{50}$ th,  $\frac{1}{100}$ th and Bulb and Time. Models D3 and 4 General, giving Instantaneous exposures of  $\frac{1}{5}$ th,  $\frac{1}{10}$ th,  $\frac{1}{25}$ th,  $\frac{1}{50}$ th and  $\frac{1}{100}$ th second and Bulb and Time.

**Lens.**—As below.

## PRICES

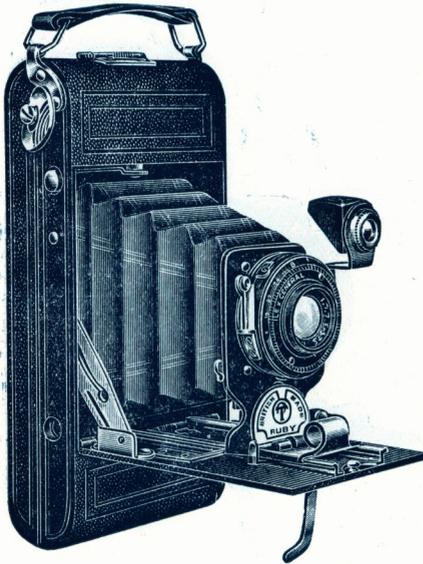
	£	s.	d.
D1, with Single Achromatic Lens ... ..	2	17	6
D2, with Rapid Rectilinear Lens F8 ... ..	3	10	0
D3, with Ruby Anastigmat Lens F7.7 ... ..	4	0	0
D4, with Ruby Anastigmat Lens F6.3 ... ..	4	15	0

## Accessories

Carrying Case, solid leather, velvet lined, with shoulder strap ... ..	0	12	0
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# Ruby Roll Film Camera



MODEL No. 3.

For Pictures

4 $\frac{1}{4}$  ins.  $\times$  3 $\frac{1}{4}$  ins.

This  $\frac{1}{4}$ -plate Model has an All-Metal body—a unique feature in this size of instrument, thus greatly reducing the bulk.

Well balanced proportions.

Light in weight.

Perfect in action.

## SPECIFICATION

**Body.**—Metal throughout, covered with selected fine seal grained leather. Perfect fitting leather covered metal back with register springs and Ruby window, hinged easy loading spool arms. Plated film rollers and winder, leather handle.

**Baseboard.**—Leather covered stamped metal, upper side black enamelled, beautifully finished plated runners and stretchers. Engraved spring focussing scale.

**Tripod Bushes.**—Two for Vertical and Horizontal pictures.

**Front.**—Black enamelled, strongly supported on hinged sliding base. Fitted with supports for Horizontal or Vertical pictures.

**View Finder.**—Clear vision hinged for Horizontal or Vertical pictures.

**Shutter.**—Models E1 and 2. Everset for Instantaneous exposures of 1/25th, 1/50th and 1/100th second; also Time and Bulb. Models E3 and 4, General giving Time, Bulb and Instantaneous exposures of 1/5th, 1/10th, 1/25th, 1/50th and 1/100th second.

**Lens.**—As below.

## PRICES

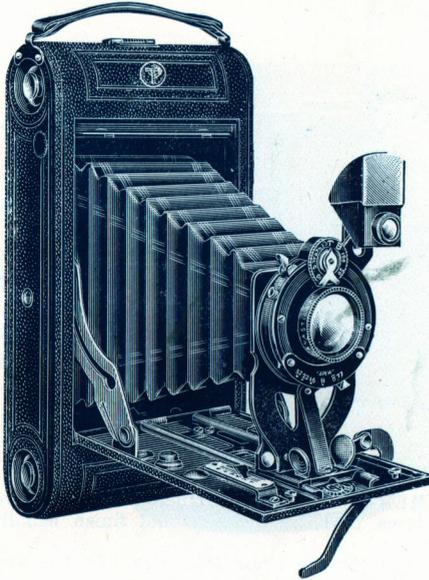
	£	s.	d.
E1, with Single Achromatic Lens	4	0	0
E2, with Rapid Rectilinear Lens	4	15	0
E3, with Ruby Anastigmat Lens	6	5	0
E4, with Ruby Anastigmat Lens F6	7	0	0

## Accessories

Carrying Case, solid leather, velvet lined, with shoulder strap	0	12	0
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# Ruby Roll Film Camera



MODEL No. 3a.

For Pictures

$5\frac{1}{2}$  ins.  $\times$   $3\frac{1}{4}$  ins.

A wonderfully light and compact instrument.

Simple in Design but Highly Efficient in use.

Ideal size and shape of picture.

## SPECIFICATION

**Body.**—Constructed of wood thoroughly seasoned, and metal, covered in fine seal grained leather. Metal back, leather covered, fitted with register springs and ruby window, leather handle.

**Baseboard.**—Blocked metal, leather covered with handsomely plated runner base and spring stretchers. Engraved focussing scale with plated infinity catch.

**Tripod Bushes.**—Two for Horizontal or Vertical pictures.

**Front.**—Special design combining rigidity with lightness, supporting struts for Horizontal or Vertical pictures.

**View Finder.**—Large size, brilliant type, with plated sky shade, swivelling for Horizontal or Vertical pictures.

**Shutter.**—Everset for Instantaneous exposures of  $1/25$ th,  $1/50$ th and  $1/100$ th second, and Time and Bulb, with Models F1 and F2. General, for Instantaneous exposures of  $1/5$ th,  $1/10$ th,  $1/25$ th,  $1/50$ th and  $1/100$ th second; also Time and Bulb, with Models F3 and F4.

**Lens.**—As below.

## PRICES

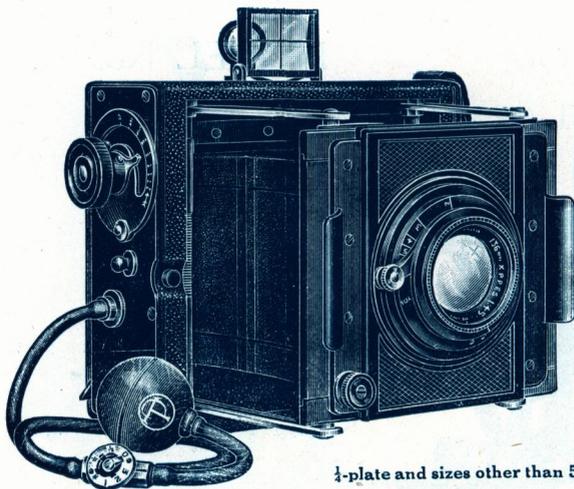
	£	s.	d.
F1, with Single Achromatic Lens	5	0	0
F2, with Rapid Rectilinear Lens F8	5	15	0
F3, with Ruby Anastigmat Lens F7.7	7	5	0
F4, with Ruby Anastigmat Lens F6.3	8	0	0

## Accessories

Carrying Case, solid leather, velvet lined, with shoulder strap	0	13	0
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## All-Weather Press Camera



Range of Exposure  
5 × 4 size.

Time.  
Inst.  $\frac{1}{10}$  to  $\frac{1}{1000}$  secs.

With Valve,  $\frac{1}{4}$  to 3 secs.  
 **$\frac{1}{4}$ -plate and other sizes**

Time.  
Inst.  $\frac{1}{5}$  to  $\frac{1}{1000}$   
With Valve  $\frac{1}{10}$  to 3 secs

$\frac{1}{4}$ -plate and sizes other than 5 × 4 for which see page 23.

**THE ALL-WEATHER PRESS CAMERA** has been constructed for real hard work, yet its appearance and get-up have that fine quality and finish usually associated with lighter built instruments.

This instrument, whilst primarily built for the Press Photographer, has also been constructed in a form which will be found to be suitable for the majority of amateur workers, as a substitute for the unwieldy Stand and Field Camera. If the average collection of negatives were analysed, it would be found that at least 90 per cent. were taken with the lens central and at a distance ranging from 5 feet to infinity. All this work could be undertaken with the Press Camera, and the saving in bulk and weight is no slight consideration to the busy worker and to one who extends his operations far afield.

The Shutter in the All-Weather Press Camera is that which has won a reputation in all parts of the world, as the most simply operated and the most reliable in working—The Ruby Self-Capping Time and Instantaneous Focal Plane Shutter. This Shutter has been fitted to many thousands of our Reflex Cameras, and is in daily use all over the Globe, both by amateur and professional workers, and we have many letters of appreciation from many more than satisfied users. When once this Shutter is set for an exposure, using the Auto-Stop, it can be wound up repeatedly to that exposure without again looking at the indicator—it is self-capping, and a part revolution of the winding knob sets the Shutter for any exposure, whether Time or Instantaneous.

It should be specially noted that all adjustments are made from the outside—there are no accessory fittings for changing from Time to Instantaneous, or the reverse—no calculations to make of slit and spring tension combinations; all these hindrances to simplicity and efficiency have been eradicated—all the exposures on the Ruby Shutter are plainly marked and the Shutter is instantly set to any. Moreover, the Shutter is self-capping, and it should be emphasised that for speedy work, particularly where several exposures have to be made in a short space of time, it is a very essential feature for press workers, for it prevents the accidental fogging through the plate being inserted and uncovered before the Shutter is set. The Shutter can be set either before or after the plate is in position for exposing. This means that the plate can be got ready and the setting of the Shutter left until the last moment, thus it can then be set according to the immediate prevailing light, also when the Film Pack is used the Shutter of the adapter can be withdrawn and there is no necessity to replace until the whole of the 12 exposures have been made.



# All-Weather Press Cameras



5x4 Press Camera

## SPECIFICATION

**CAMERA** is built of specially seasoned hardwood, impervious to climatic conditions, each corner strengthened with inlaid metal angle plates in 5x4 size, and is covered with fine seal-grained leather from selected hide. Bush for tripod screw. Best quality leather **Bellows**. Black polished solid front with black enamelled aluminium lens panel. **Rise, fall and cross** movements with clamp. **Struts** special design, imparting extreme rigidity to front, hinged on brass bearing bushes passing through body. Focussing screen with good sized collapsible hood. Bayonet joint fitting to back.

**SHUTTER**.—Ruby self-capping time and instantaneous with automatic auto stop wind, T.-P. patent Time Valve, finger release and pneumatic release. Range of automatic exposures, 3 secs. to 1/1000th.

**FINDER**.—Hinged collapsible, direct vision.

**PLATE-HOLDERS**.—Three best quality solid black polished with unbreakable shutters, each holding two plates.

## PRICES OF THE PRESS CAMERAS

Complete Outfit with Lens in Focussing Mount.	1/4-plate	5x4 ins. 9x12 c/m.	Postcard 10x15 c/m
	£ s. d.	£ s. d.	£ s. d.
With Ross Xpres F4.5 Lens ... ..	19 10 0	24 15 0	26 5 0
With Taylor-Hobson Cooke Aviar F4.5 Lens... ..	18 14 0	23 15 0	—
With Dallmeyer Serrac F4.5 Lens ... ..	19 0 0	25 0 0	25 10 0
With Dallmeyer Pentac F2.9 Lens ... ..	29 0 0	35 0 0	—
With Goerz Dogmar F4.5 Lens ... ..	19 5 0	24 5 0	26 5 0
With Zeiss Tessar F4.5 Lens ... ..	19 5 0	24 5 0	26 5 0
Outfit, Camera with Ruby Focal Plane Shutter and 3 Double Plate-holders, no Lens ... ..	10 0 0	14 0 0	14 0 0
	1/4-plate	9x12 c/m. only.	5x4 and Postcard.
Extra solid double plate-holders ... .. each	0 17 6	0 17 6	1 2 6
Double bookform slides, black polished ... ..	1 18 6	1 18 6	2 5 0
Mackenzie-Wishart slide, Model "A" ... ..	2 12 0	2 16 3	3 1 0
Envelopes for above ... .. each	0 5 2	0 5 2	0 5 5
Film pack adapter, leather covered ... ..	1 7 6	1 7 6	1 12 6
Leather case to hold camera and 3 slides, or Mackenzie-Wishart slide or film pack adapter ... ..	2 0 0	2 5 0	2 5 0
Leather case to hold camera and 6 slides, or 3 slides and Mackenzie-Wishart slide or film pack adapter ... ..	2 10 0	2 15 0	2 15 0

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.  
All prices quoted are subject to alteration without notice.



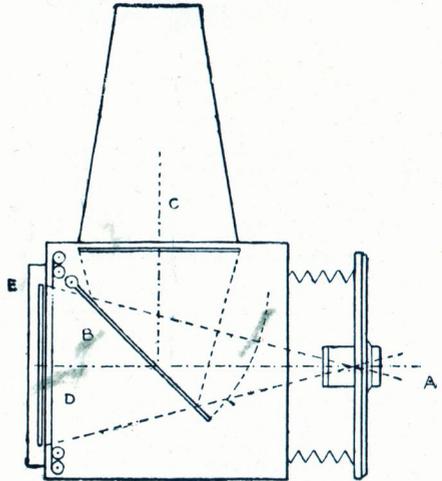
# Reflex Cameras

## Foreword

When considering the kind of camera to buy, very careful consideration should always be given to the Thornton-Pickard Reflex type; it is the most universal camera made, and is suitable for all ordinary photography, portrait and landscape work, genre studies, etc., while for high-speed work it stands supreme.

In order to make the principle of the T-P Reflex Camera apparent, we show below a diagram in which will be seen many of the points of advantage possessed by this type of instrument.

The T-P Reflex Camera is essentially a hand camera, yet it does not possess the limitations of that type; the user is not dependent on a focussing scale, and the somewhat uncertain power of judging distance, and then on a small finder which gives a much reduced and very approximate idea of what will appear on the plate—but with it, the actual view, and that full size, is visible right up to the moment the exposure is made—thus in photographing, say a street scene, it is possible to watch on the ground glass the composition of the moving people until the most pleasing arrangement is seen, the principal plane focussed, and then the release lever of the camera is pressed and the view secured. Think what this means—the power to see the actual picture to within a second of the exposure being made, and not a tiny view, the size of a postage stamp, but a view the full size of the plate. Then again, not only can the picture be seen, but focussed, there is no guessing what the distance of the object is, it does not matter what the figure may be, the operator has no use for it, he actually focusses the object as with a stand camera and obtains just that degree of sharpness necessary.



The illustration shows how these essential aids to successful photography are possible—the rays of light passing through the lens "A" into the camera body are intercepted by the mirror "B" and their course changed; being reflected on to the focussing screen at the top of the camera at "C." When this picture has been satisfactorily composed and focussed, the mirror is lifted out of the path of the light rays by means of suitable levers, the focal plane shutter "D" is released and the exposure made on the sensitive plate at "E."

### AND ONLY TWO MOVEMENTS ARE NECESSARY

A higher percentage of successful pictures is obtained with the T-P Reflex than with any other camera.



## Reflex Cameras

The special features in the T.-P. Reflex Cameras, which we claim to be unique, are their extreme simplicity in operation, their great reliability, and the fact that they are all fitted with the Patent Ruby Self-capping Time and Instantaneous Focal Plane Shutter. These special advantages have placed these instruments in the forefront of up-to-date camera construction, and the constantly increasing demand for them from all over the world testifies to the satisfaction they are giving under a great variety of conditions.

The following extracts from some of the many appreciations we are continually receiving give some idea of the position the T.-P. Reflex holds in the opinion of the user, and whose opinions are more vital and more telling than anything we ourselves can say.

LEEDS.

"I am in possession of one of your Junior Special Reflex Cameras,  $3\frac{1}{2} \times 2\frac{1}{2}$ . I should like to say that the Camera itself has given every possible satisfaction, and I really should not think of ever using any other type of Camera. It is simplicity itself to use."  
H. K. C. P.

WOLVERHAMPTON.

"We thank you for Camera to hand. We delayed writing you in order that we might test and report on the Camera after Saturday's demonstration. It is quite satisfactory in use, and we are proud to think that we have purchased a British made article which is superior to the German, both in quality and price."  
R. B.

DERBYSHIRE.

"I have been using the T.-P. Reflex for some time now, and have found the results better than any other make."  
H. M.

WALTHAMSTOW.

"I am using one of your Special Ruby Reflexes,  $\frac{1}{4}$ -plate, and I must say that it is the best instrument I have ever used, as it has every movement necessary for all classes of work."  
G. H.

LONDON, W.12.

"The Ruby Reflex I purchased about fourteen years ago is in perfect condition, and gives every satisfaction."  
R. L. L.

ESSEX.

"Although I have only been using this Duplex-de-Luxe Camera for three months, I find it will do everything that is required—opera photos by ordinary stage lighting, high-speed work, portraits—in fact, there is nothing it cannot do."  
L. L.

VENEZUELA., S.A.

"The  $\frac{1}{4}$ -plate Teak-de-Luxe Reflex arrived in good order, and I am more than delighted with the whole outfit. During the trial I have been able to give it, it has behaved excellently, and I desire to congratulate you on the excellence of everything received."  
T. L.

PUNJAB, INDIA.

"The Reflex Cameras I bought from you some time ago are still working quite satisfactorily. Now I want another Overseas Model."  
B. H. S.

The true test of a camera is the satisfaction that it gives to its owner and the class of photographs which it will produce. The above testimonials, and many other similar ones, received by the Company, are proof that the claims made for the T.-P. Reflex Cameras are fully substantiated by those who have used them.



## Points on Reflex Cameras

Many of the claims made for the T.-P. Reflex Camera may be thought to be extravagant, that is, that they cannot be substantiated in practice, take for instance the claim that the shutter is operated by only two movements—setting and releasing. Now when we consider what has to be performed in the operation of setting the usual focal plane shutter—the winding up of the curtain or blind, the decision as to what exposure to give, the working out of the most suitable combination of aperture and spring tension, then adjusting the blind so as to obtain the aperture, winding up or letting down the spring tension until the right amount is produced, to say nothing of the setting of various levers if a time exposure is to be given—to maintain that all these adjustments can be made by merely turning a pointer to a figure engraved on a scale is certainly calculated to make one a little sceptical, particularly when it is considered that even a simple between-lens shutter, such as is provided with the veriest tyro's outfit is not more easily set.

If the right-hand side of a T.-P. Reflex is examined it will be seen that there are only two main fittings—A, the winding pointer and scale and B, the release lever, and the manipulation of these two fittings is all that is necessary to make any exposure from one-thousandth of a second to an exposure of even hours' duration. In the second illustration we have a larger view of the winding pointer and scale, in which the simplicity of operation is obvious—the



Illustration showing Winding Knob and Release Lever on side of Camera.

operator decides upon the exposure and then turns the pointer to the figure on the scale above it, that is all there is to be done—that simple movement through only a portion of a revolution has wound up the blind, adjusted the width of slit and fixed the exposure. It only remains for the composition of the picture to be arranged and then the lever B in the first illustration is depressed and the exposure made.



## Points on Reflex Cameras

**THE SHUTTER**, upon which depends the whole efficiency of the camera, is the famous Ruby Self-capping Time and Instantaneous Focal Plane; it is a marvel of simplicity and efficiency. To set this shutter for any exposure, whether time or 1/1000th second, one has only to turn the winding key, and that through a portion only of a revolution—not several turns—to the indicated speed required. Could anything be more simple? The blind is SELF-CAPPING, thus making it impossible to uncover the plate until the actual moment of exposure. This self-capping blind is automatic and self-contained, and does not entail a complicated system to darken the interior of the camera, and, being self-acting, it does not call for any attention on the part of the photographer; there is no necessity to see whether the mirror is set before drawing the shutter of the slide. In all T.-P. Reflex Cameras, the shutter of the dark slide or film pack adapter can be withdrawn before or after the shutter is set.

A Reflex Camera without a self-capping shutter loses much of its efficiency, as the danger of accidentally exposing the plate, owing to the mirror not having been set before the shutter, is always present.



Auto Stop and Indicator, with Universal Shutter Adjustment.

All the various models of T.-P. Reflex Cameras are fitted with the novel Auto Stop, which enables the same exposure to be repeatedly given without even looking at the indicator. When making a number of exposures in a steady light this feature will be found of great service as a time saver and also preventing the accidental alteration of the exposure and ensuring an even batch of negatives.

To set for any exposure it is only necessary to pull down the small knob below the winding pointer stem and revolve the centre disc until the arrow engraved thereon is opposite the desired exposure figure on the scale above, the small knob on this disc will now arrest the travel of the winding pointer at the desired speed.

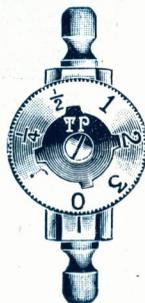
The Auto Stop does not in any way interfere with the operations of the shutter, and when it is not required it is merely turned round to "Time." With this feature in operation it would be permissible to say that "the T.-P. Reflex can be set without even looking at the camera."

A further addition has been made to all models except the Junior, viz., the Universal Shutter Adjustment, enabling the shutter speed to be increased after the shutter has been set, without first releasing and resetting.

The range of speeds of all the T.-P. Reflex Cameras may be greatly extended by the addition of a Pneumatic Release, fitted with a T.-P. Patent Time Valve, which enables automatic exposures of  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2, and 3 seconds to be given without consulting a timepiece. When making the exposure, the shutter is set at time and the top hood cover closed, and the mirror raised out of action.

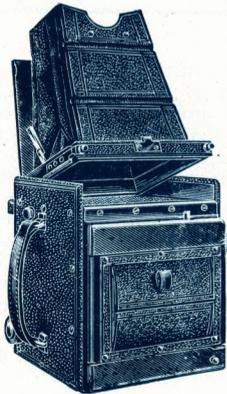
The cost of fitting to a new camera is 25/-.

The T.-P. Reflex may be fitted with Antinous Release, working direct on to the release lever. The release is detachable, and will be found of service by many workers. Price, 10/6.





## Points on Reflex Cameras

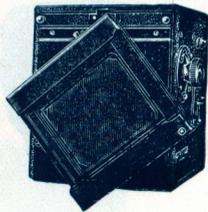


Hinged Top Hood.

All T.-P. Reflex Cameras are fitted with a hinged hood frame, which gives ready access to the top focusing screen, permitting it to be kept cleaned with a minimum of trouble.

A feature in all the cameras is the Revolving Back. This is a much desired feature and is to be recommended.

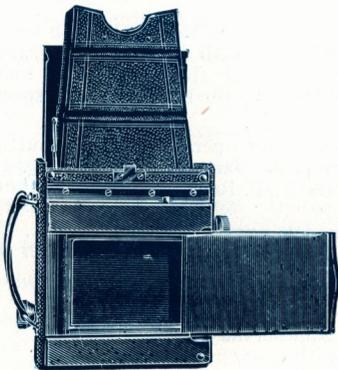
It enables the shape of the picture to be changed from horizontal to vertical or vice versa in an instant, even though the shutter of the dark slide or film pack adapter is withdrawn ready for exposure. It is only necessary to press the button on the back, which may then be revolved to the desired position.



Revolving Back.

In the popular types of the Junior and Special Ruby series, which take single metal plate-holders, an improved form of runners are provided, greatly facilitating the insertion of the plate-holder.

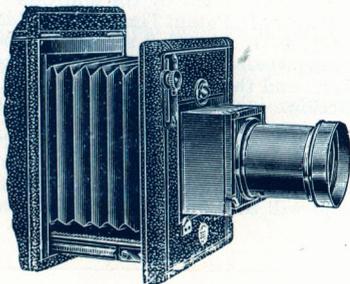
The front portion of the runners, which are of metal, is cut away, and a lead is formed directing the flange of the plate-holders into grooves, much on the same principle as the bayonet joint in the double slide cameras, and thus obviating the difficulty which is so common when sliding metal plate-holders into a camera back. The metal runners ensure smooth fitting, and their non-liability to wear prevents the plate-holders enlarging the grooves, and through the consequent slack fitting, admitting light which would fog the plates and also deranging the correct register.



Inserting Metal Slide.

The sunk lens box which has hitherto been confined to the de luxe models, is now fitted to the Special Ruby series, in the  $3\frac{1}{2} \times 2\frac{1}{2}$  ins. to the  $9 \times 12$  c/m. sizes, greatly increasing their value.

This box is fitted with a lid which acts as a skyshade, and is shown on the illustration opposite. Besides affording protection from damage to the lens, the box may be used for a dual purpose—that is, to increase the camera extension. For this purpose it is lifted out and replaced in the reverse position, as shown in illustration, the panel holding the lens flange being also reversed so that the lens is in its normal position.



Lens Box reversed, increasing extension.

**THE MIRROR** and the mirror movement have received special attention in these cameras as much of the efficiency of the instruments depend on this part of the optical system. The mirror reflects the image from the lens up to the top focussing screen, and as the definition of the image on the negative depends on the care in focussing on this top screen, it is necessary that the quality of the mirror be beyond question. In T.-P. Reflex Cameras the mirrors are **SILVER-COATED ON THE SURFACE**, preventing double reflection, and this coating is protected from atmospheric influence by a special preparation. It is always in position ready for use.

The important part that the mirror plays in the speedy operation of the Reflex Camera cannot be over-estimated. It is essential that its action be entirely automatic, and that it be ready for use always. The mere fact of having to set the mirror, be the operation ever so simple, is quite sufficient to divert the photographer's attention. In all T.-P. Reflex Cameras, immediately the hood is released the mirror comes into action automatically, and is therefore always ready for use. It automatically drops into position after each exposure ready for the next. When the hood is closed the mirror may be locked firmly, close to the top focussing screen, by merely depressing the release lever, and permits of the instrument being used as an ordinary camera, focussing being accomplished on the back screen.



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## The Use of the Reflex Camera

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Amongst many photographers there is a very mistaken idea that Reflex Cameras are only of use for high-speed pictures.

This false impression may be caused owing to these instruments being fitted with a focal plane shutter and are usually supplied with a large aperture lens. As a matter of fact there is no camera out of the large number of patterns now on the market that is so versatile.

For high-speed work it is of course unexcelled, for apart from being able to select on the focussing screen the telling instant when the main object is at its best pose, there is also the means of selecting the most artistic portion of the background which will make the resultant print pictorial as well as being a record of a phase of movement.

To the naturalist no other camera offers the same advantages. The bird and animal student may watch his quarry until it assumes that attitude which he requires for his illustration, there is no necessity to waste plates by chance exposures in the hope that one of them will be all right, perhaps also incidentally disturbing the object at the same time; the picture that will be obtained is shown full size exactly as it will appear on the plate. For flower studies, particularly of those growing in their natural habitat on the ground and at the bottom of hedge backs, the use of the Reflex is immediately appreciated. It is not necessary to assume a strained position to focus on the back screen, this is accomplished in comfort on the top glass.

Portraiture is another branch of work where the T-P Reflex will be found superior. It is the only type of apparatus in which the actual expression and pose of the sitter, which will be recorded on the plate, can be seen at the exposure. For children it is particularly suitable, as, owing to the operator apparently being engaged examining the camera, the child relaxes that self-conscious attitude which is usually assumed under the direct gaze of a "grown-up" and becomes its natural self, and then the photographer, who has really been watching the screen, obtains the picture which will show all the naive grace of childhood.

For landscape work the Reflex offers many advantages; it is always ready and so enables many beautiful light effects to be captured which would otherwise have been lost during the time necessary to erect the ordinary field camera. Also the view point is quickly changed when it is necessary to obtain just that balanced composition which makes the pleasing picture.

There are many other branches of photography where the Reflex camera may be used with equal and in many cases greater facility than with the ordinary stand or hand camera, such as telephotography, copying, photo-micrography, etc., etc.

Many of the illustrations in this catalogue were taken with our Reflex cameras, and will give some idea as to what can be accomplished.

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## Why the Amateur should

1. **ALL T.P. MODERN REFLEXES ARE FITTED WITH A REVOLVING BACK**, which often means the securing of a picture which would otherwise be lost. Consider what it means to have to detach the camera back in the hand without a table on which to put the camera. All this is overcome with a revolving back.

2. **T.P. REFLEXES ARE ALL FITTED WITH SELF-CAPPING TIME AND INSTANTANEOUS SHUTTERS.** The advantage in the Self-Capping Shutter is that the aperture at the back of the camera, against which the plate or the film rests, is always covered by the blind of the shutter, except during the actual exposure. Thus it is possible to insert the dark slides or film pack adapter, uncover the sensitive plate or film, and leave the setting of the shutter to the last moment before the exposure, thus insuring the best speed for the condition prevailing.

3. **ALL T.-P. REFLEX CAMERAS ARE FITTED WITH HINGED TOP HOOD FRAMES**, which allow of immediate access to the top ground glass. This is important because however much care is taken, dust gets in through the opening of the top hood in all makes of Reflex Cameras, materially interfering with the focussing, and the hinged frame offers the simplest method of reaching the top glass for cleaning purposes.

4. **ALL T.-P. REFLEX CAMERAS ARE SUPPLIED WITH TOP HOOD, WHICH AUTOMATICALLY RISES TO ITS ERECT POSITION** on simply raising the top hood cover; and when it is raised, it is rigidly supported by this top cover. Further, these hoods are roomy, and will allow of focussing magnifiers being inserted in the top, a very great advantage when focussing and composing the picture.

5. **SILVER SURFACE MIRROR.** All T.-P. Reflexes are so supplied, thus ensuring the most critical focussing and preventing any chance of double image.

6. **ALL T.-P. REFLEX CAMERAS ARE SUPPLIED WITH HAND-RAISED MIRRORS.** This method of raising the mirror has been adopted by the T.-P. Company after many years of experience with both spring-raised and hand-raised mirrors, because they found in practice that any advantages of the spring-raised type are far outweighed by the many advantages of the hand-raised type.

Many people are of the opinion that a spring-raised mirror can be operated with less vibration than a hand-raised mirror, and that the risk of movement during the exposure is reduced to a minimum; as a matter of fact, in actual practice, the hand-raised mirror is far away smoother in operation, and works with far less risk of movement or vibration during exposure. Another fallacy with regard to spring-raised mirrors is that the picture is taken when the operator presses the button or lever which releases it. A moment's consideration, however, will show that this cannot be so, as, naturally, the mirror must be raised sufficiently—as in the case of the hand-operated type—until it clears the cone of light rays from the lens to

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## decide on a T.P. Reflex

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the plate, before the shutter can be released, otherwise a portion of the picture would be cut off. Now generally, in the spring operated cameras, a pressure is required to release the mirror, and a further movement and pressure to release the shutter—a measureable fraction of time being taken up in the complete movement, whereas in the hand-operated type the one definite pressure lifts the mirror and releases the shutter practically simultaneously. For a further refinement of speed, when it is desired to photograph an object which will pass rapidly over a given spot, such as an express railway train, the position can be focussed beforehand, and the mirror partially raised in anticipation of the engine reaching the marked area, when the slightest pressure instantly releases the shutter without any loss of time.

Finally, it must not be forgotten that for rapid and accurate reflex work, simplicity and reliability are the absolute essentials. A hand-raised mirror is simpler, has less mechanism, and automatically re-sets itself; whilst however good a spring-raised mirror may be, there must perforce be more mechanism, and in almost all cases must be set independent of the shutter before making an exposure.

**7. TWO MOVEMENT MECHANISM.** All T.-P. Reflex Cameras are operated, so far as the setting of the shutter at any desired speed, and the making of the exposure, by two movements only. This is a unique feature which is obtainable on no other Reflex Camera; and this, conjointly with the revolving back and hand-raised mirror, makes the camera the most simple and easy to operate in the world.

**8. ALTERATION OF SPEED AT ANY TIME.** In the Special Ruby and higher priced models the Universal Speed Adjustment is fitted, which enables the operator to vary his speed **after** the shutter has once been set, without first having to release the shutter to the bottom and re-wind it. This is a novelty for 1926, and will be much appreciated by all experienced reflex workers.





## Speed Reflex Cameras



# HAVE YOU REALIZED ?

—That an **F2.5** Lens  
is nearly **3½** times faster  
than an **F4.5** Lens.

—That an **F3.5** Lens  
is nearly

**Twice as fast**  
as an **F4.5** Lens.

—That they make **INSTANTANEOUS PHOTOGRAPHY**  
possible **ALL THE YEAR ROUND**

—That they are invaluable for **Amateur Workers**

—That they are **ESSENTIAL** for the **Professional**

### EQUIP YOURSELF

with a Thornton-Pickard Speed Outfit and  
be independent of the Sun and Weather  
and get results hitherto impossible . . .

Prices of Outfits with

### COOKE SPEED ANASTIGMAT LENSES.

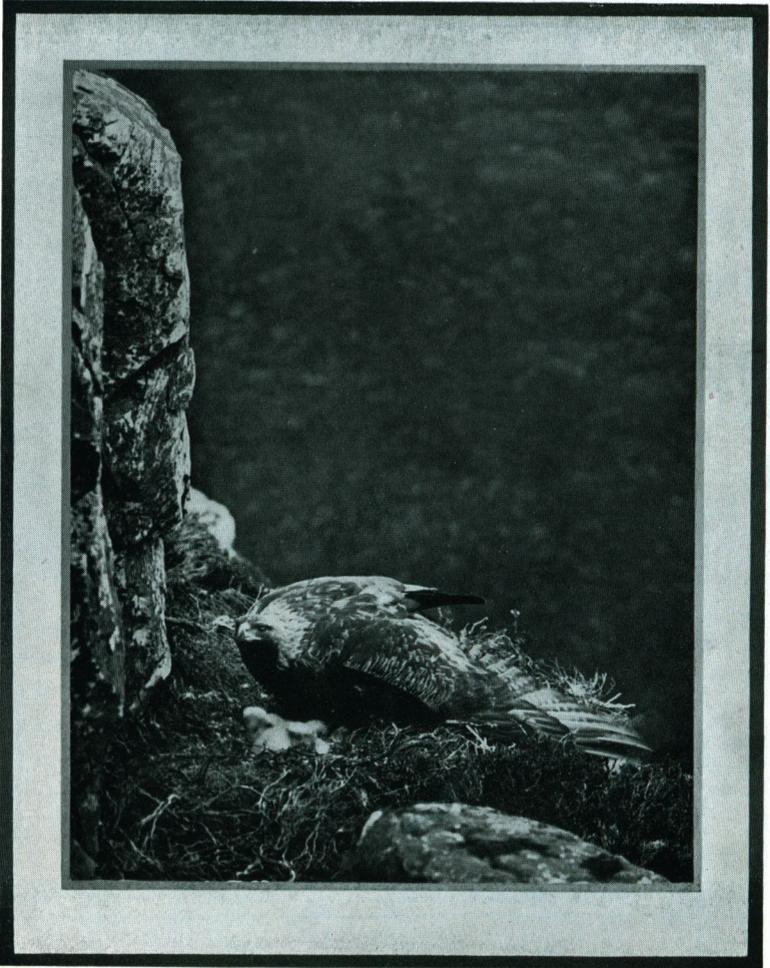
CAMERA	Ser. XI F/3.5			Ser. X F/2.5		
	£	s.	d.	£	s.	d.
"Junior Special Ruby" ... ..	3½ × 2½	...	...	15	0	0
	4¼ × 3¼	...	...	15	15	0
"Special Ruby" (1 Double Plateholder)—	3½ × 2½	...	...	18	15	0
	4¼ × 3¼	...	...	19	10	0
"Ruby de Luxe" (3 Double Plateholders)—	3½ × 2½	...	...	24	5	0
	4¼ × 3¼	...	...	25	0	0
"Duplex Double Extension" (3 Double Plateholders)—	3½ × 2½	...	...	30	5	0
	4¼ × 3¼	...	...	31	0	0
	3½ × 2½	...	...	39	0	0
	4¼ × 3¼	...	...	43	0	0



Well Cleared.

F. G. Bird.

Taken with a T.-P. FOCAL PLANE SHUTTER.



Golden Eagle sheltering young during storm. A. Brook.  
Taken with a T.-P. RUBY REFLEX CAMERA.

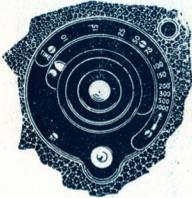




# 1926 Special Ruby Reflex

**THE SPECIAL RUBY** is adapted from the designs of our highest class and most expensive instruments, and many of their excellent features are embodied. It is now fitted in all sizes up to  $9 \times 12$  c/m. with a sunk, detachable, and reversible lens box :  $5 \times 4$ , PC, and larger sizes have the panel and sky-shade as hitherto supplied. The finish is beyond question, having that chaste appearance of quality usually only associated with the higher-priced instruments.

The Camera is equally suitable for Films in packs, the addition of a Model D Film pack adapter being all that is necessary.



Auto Stop with Universal Speed Adjustment.

**UNIVERSAL SPEED ADJUSTMENT.**—In the Special Ruby Reflex provision has been made to alter the shutter speed to a higher figure if necessary after the shutter has been set.

**AUTO STOP.**—A patented device which allows the photographer to set the shutter automatically to the same exposure as often as desired without looking at the indicator.

**OPERATING THE CAMERA.**—No Reflex Camera is worked so easily and simply ; the merest novice cannot fail

To Focus the Picture, merely turn the Focussing Knob.

To set the Shutter, merely turn the Winding Pointer to the desired exposure.

To make the Exposure merely depress the Release Lever.

**SHUTTER.**—In a Reflex Camera the shutter is the most important feature, and upon its character and construction the success or failure of the camera depends. To the T.-P. Reflex Cameras is fitted the Ruby Self-capping Time and Instantaneous Focal Plane Shutter.

**EXPOSURES.**—It gives Time Exposures of any duration, and Instantaneous Exposures from  $1/10$ th to  $1/1000$ th of a second, and with Patent TIME EXPOSURE VALVE fitted, short Automatic Exposures from  $\frac{1}{4}$  to 3 seconds.

**SAFETY BLIND.**—It is fitted with an Automatic Safety Curtain, which covers the plate whilst the Blind is being set, and allows the safe setting of the Shutter even if the Slide Shutter is withdrawn.

**SETTING.**—It is the only Reflex Focal Plane Shutter in which one simple turn of the winding knob sets the Shutter for any exposure ; also automatically adjusts the Shutter exposure slit and sets the safety Blind.



Revolving Back in operation



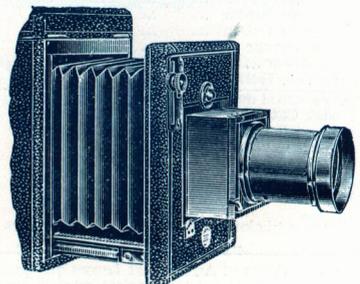
Hinged Hood, giving easy access to Top Focussing Screen.

**HINGED HOOD FRAME.**—Giving access to top focussing screen for cleaning, etc.

**LENS BOX.**—The lens is fitted in a box sunk flush with the front of the camera. This box is fitted with a lid which acts as a skyshade, and is shown on the illustration opposite. Besides affording protection from damage to the lens, the box may be used for a dual purpose—that is, to increase the camera extension. For this purpose it is lifted out and replaced in the reverse position, as shown in illustration, the panel holding the lens flange being also reversed so that the lens is in its normal position.

**THE MIRROR.**—The important part that the Mirror plays in the efficiency of the Reflex Camera cannot be over-estimated. It is essential that its action be entirely automatic, and that it be ready for use always. The mere fact of having to set the Mirror, be the operation ever so simple, is quite sufficient to divert the photographer's attention. In all T.-P. Reflex Cameras, immediately the hood is released the Mirror comes into action automatically, and is therefore always ready for use. It automatically drops into position after each exposure ready for the next. When the hood is closed the Mirror may be locked firmly, close to the top focussing screen, by merely depressing the release lever, and permits of the instrument being used as an ordinary camera, focussing being accomplished on the back screen. The Mirror is silver-surfaced, thus preventing double reflection, and finished by a special process to protect as much as possible against atmospheric deterioration.

**REVOLVING BACK.**—Automatic Self-locking for horizontal or vertical pictures. Operated by one hand, and the position may be changed even after the sensitive plate has been uncovered for exposure.



Lens Box reversed increasing extension.

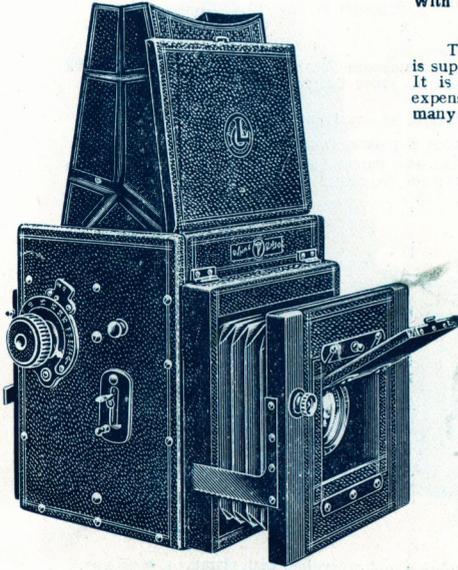


# 1926 Special Ruby Reflex

## DOUBLE PLATE-HOLDER OUTFIT

With Sunk Lens Box, in  $3\frac{1}{2} \times 2\frac{1}{2}$ ,  $\frac{1}{4}$ -plate and  $9 \times 12$  sizes, and Universal Shutter Adjustment.

This Outfit is offered in response to many requests, and is supplied fitted with one best quality double plate-holder. It is an ideal outfit for those workers who desire a less expensive instrument than the Ruby de Luxe, yet possessing many of its advantages.



### SPECIFICATION.

**CAMERA.**—Body made of mahogany throughout covered with fine-seal-grained morocco leather, all external metal fittings black oxidised, enamelled or plated. All working parts enclosed. Rack and pinion focussing. Revolving back of specially seasoned and prepared ebonised wood. Rising-and-falling front panel with clamp.

**LENS BOX.**—With Sky shade. Detachable and reversible, except in post card and  $10 \times 15$  c/m. size.

**FOCUSING HOOD.**—Collapsible, hinged for cleaning glass. Generous size.

**REFLECTING MIRROR.**—Specially prepared. Silvered on surface. Everset.

**SHUTTER.**—Ruby Self-capping, Time and Instantaneous. Quickwind, with Universal Shutter adjustment.

**PLATE-HOLDER.**—One best quality solid double pattern, with metal draw-out shutters.

**LENS.**—As below.

### PRICES.

Outfit with Lens.	Series.	Largest Aperture.	$3\frac{1}{2} \times 2\frac{1}{2}$ $6\frac{1}{2} \times 9$ c/m.		$4\frac{1}{2} \times 3\frac{1}{2}$		$9 \times 12$ c/m.		$P.C. 9 \times 14$ & $10 \times 15$ c/m	
			£	s. d.	£	s. d.	£	s. d.	£	s. d.
T.-P. Cooke ... ..	—	F4.5	15	0 0	15	15 0	16	15 0	25	0 0
Kershaw Anastigmat ... ..	—	F4.5	—	—	19	0 0	20	0 0	—	—
Aldis Anastigmat ... ..	I.	F4.5	16	10 0	17	5 0	18	5 0	26	0 0
Aldis Anastigmat ( $\frac{1}{4}$ -plate, 6" lens)	O.	F3	20	5 0	20	15 0	32	10 0	39	0 0
Taylor-Hobson Cooke Aviar ... ..	II.	F4.5	18	4 0	19	15 0	20	15 0	29	5 0
Taylor-Hobson Cooke Anast. ... ..	XI.	F3.5	18	15 0	19	10 0	20	10 0	—	—
Taylor-Hobson Cooke Anastigmat ... ..	X.	F2.5	27	10 0	31	10 0	32	10 0	44	0 0
Taylor-Hobson Cooke Telephoto ... ..	VIII.	F5.6	24	0 0	26	0 0	27	0 0	33	10 0
Ross Xpres ... ..	—	F4.5	18	10 0	20	0 0	21	0 0	30	0 0
Ross Xpres ... ..	—	F3.5	22	10 0	24	5 0	25	5 0	35	0 0
Ross Teleros ... ..	—	F5.5	25	0 0	25	10 0	26	10 0	35	15 0
Dallmeyer Serrac ... ..	XV.	F4.5	18	10 0	20	0 0	21	0 0	30	0 0
Dallmeyer Dalmac ... ..	XXII.	F3.5	21	0 0	23	10 0	24	10 0	33	10 0
Dallmeyer Pentac ... ..	XIX.	F2.9	27	10 0	29	10 0	31	10 0	43	0 0
Dallmeyer Dallon ... ..	VI.	F5.6	23	0 0	24	10 0	25	10 0	36	0 0
Dallmeyer Adon ... ..	XI.	F4.5	23	0 0	23	10 0	24	10 0	—	—
Goerz Dogmar ... ..	—	F4.5	18	5 0	20	0 0	21	0 0	29	15 0
Zeiss Tessar ... ..	Ic.	F4.5	18	10 0	20	0 0	21	0 0	29	15 0
Zeiss Tele-Tessar ... ..	—	F6.3	25	5 0	25	15 0	26	15 0	37	15 0
Camera shutter, one double plate-holder as Specification, no lens	—	—	12	0 0	12	10 0	13	10 0	20	10 0
Camera and shutter only, no slides	—	—	11	11 0	12	1 0	13	1 0	19	18 6
Double plate-holders, best quality ... .. each	—	—	0	17 6	0	17 6	0	17 6	1	2 6
Double bookform slides ... .. each	—	—	1	18 6	1	18 6	1	18 6	2	5 0
Kodak Cut Film Sheaths ( $10 \times 15$ c/m. 1/6) ... ..	—	—	0	0 6	0	0 6	0	0 9	0	0 9
Film pack adapter ... ..	—	—	1	5 0	1	7 6	1	7 6	1	12 6
Mackenzie-Wishart patent daylight loading slide (A) ... ..	—	—	2	9 0	2	12 0	2	16 3	3	1 0
Envelopes for ditto ... .. each	—	—	0	4 11	0	5 2	0	5 2	0	5 5
Stiff waterproof cloth case to hold camera and 3 slides, carrying handle and shoulder strap, K quality ... ..	—	—	1	0 0	1	2 6	1	7 6	1	15 0
As above, for 6 slides ... ..	—	—	1	5 0	1	7 6	1	12 6	2	0 0
" " 3 slides, C quality ... ..	—	—	1	12 6	1	17 6	2	2 6	2	10 0
" " 6 slides, C quality ... ..	—	—	2	0 0	2	5 0	2	10 0	2	17 6
Solid leather case to hold camera, 3 slides, with lock, handle, and shoulder strap ... ..	—	—	2	10 0	2	15 0	3	0 0	3	10 0
As above, for 6 slides ... ..	—	—	3	0 0	3	5 0	3	12 6	4	10 0

Fitting M.W. Slide to Camera extra:  $3\frac{1}{2} \times 2\frac{1}{2}$  and  $\frac{1}{4}$ -plate, 3/6;  $5 \times 4$ , P.C. and  $\frac{1}{4}$ -plate, 5/-;  $13 \times 18$ , 6/-

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.

All prices quoted are subject to alteration without notice.



# Ruby de Luxe Reflex

## The Reflex de Luxe

A Triumph of Camera Craft.

Fitted with—  
**Ruby Self-capping.**  
**Time and Instantaneous Focal Plane Shutter, with Auto Stop**  
**and Universal Speed Control.**

Giving—  
**Time Exposures of any duration.**

**Instantaneous Exposures from  $\frac{1}{16}$  to  $\frac{1}{1000}$ th second.**

**And if fitted with Patent Time Exposure Valve (25/- extra),**  
**Short Automatic Exposures of  $\frac{1}{2}$ ,  $\frac{1}{4}$ , 1, 2, and 3 seconds.**

**These Automatic Valve Exposures are given with the Focussing Hood closed.**

*NOTE.—The Time Valve can be fitted to instruments previously supplied; the cost for fitting is then 35/-, and it is necessary to send the camera to our Works for fitting.*

### SPECIFICATION

**CAMERA.**—Body made of mahogany throughout, covered with fine seal-grained morocco leather. All external metal fittings black oxidized, enamelled or plated. Camera back of specially seasoned and prepared ebonyized wood. Rackwork rising and falling panel with clamp.



**LENS BOX** of black ebonyized wood, with sky shade, detachable and reversible, with clamp.

**FOCUSING HOOD.**—Stiffened leather, hinged for cleaning ground glass.

**REVOLVING BACK.**—Automatic, self-locking for vertical or horizontal pictures.

**REFLECTING MIRROR,** of specially prepared glass, **SILVERED ON THE SURFACE,** everset.

**RUBY FOCAL PLANE SHUTTER.**—Self-capping, quickwind. Latest and most perfect type.

**PLATE-HOLDERS.**—Three, each holding two plates. Bookform slides in place of plate-holders extra, at difference in price.

This outfit can be supplied in the "OVERSEAS" pattern, made of seasoned teak. Brassbound throughout. For extra price, see page 38.

### PRICES

Leather Covered. Camera Outfit with Lens	Series.	Aperture.	$3\frac{1}{4} \times 2\frac{1}{2}$ $6\frac{1}{2} \times 9$ c/m.		$\frac{1}{4}$ -plate $4\frac{1}{4} \times 3\frac{1}{4}$		9×12 c/m.		5×4 P.C. 9×14 c/m. 10×15 c/m.		$\frac{1}{2}$ -plate $6\frac{1}{2} \times 4\frac{1}{2}$		ins. 7×5 13×18 c/m.				
			£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
T.-P. Cooke ... ..	—	F4.5	20	10	0	21	5	0	22	5	0	30	0	0	—	—	—
Kershaw Anastigmat ... ..	—	F4.5	—	—	—	24	10	0	—	—	—	—	—	—	—	—	—
Aldis Anastigmat ... ..	I.	F4.5	22	0	0	22	15	0	23	15	0	31	0	0	37	5	0
Aldis Anastigmat ( $\frac{1}{2}$ -plate, 6" lens) ... ..	O.	F3	25	15	0	26	5	0	38	0	0	44	0	0	—	—	—
Taylor-Hobson Cooke Aviar ... ..	II.	F4.5	23	14	0	25	5	0	26	5	0	34	5	0	42	0	0
Taylor-Hobson Cooke Anastigmat ... ..	XI.	F3.5	24	5	0	25	0	0	26	0	0	—	—	—	—	—	—
Taylor-Hobson Cooke Anastigmat ... ..	X.	F2.5	33	0	0	37	0	0	38	0	0	49	0	0	63	0	0
Taylor-Hobson Cooke Anastigmat ... ..	X.	F5.6	29	10	0	31	10	0	32	10	0	38	10	0	48	0	0
Taylor-Hobson Cooke Telephoto ... ..	VIII.	F4.5	24	0	0	25	10	0	26	10	0	35	0	0	42	10	0
Ross Xpres ... ..	—	F3.5	28	0	0	29	15	0	30	15	0	40	0	0	58	0	0
Ross Xpres ... ..	—	F5.5	30	10	0	31	0	0	32	0	0	40	15	0	55	10	0
Ross Teleros ... ..	—	F4.5	24	0	0	25	10	0	26	10	0	35	0	0	42	10	0
Dallmeyer Serrac ... ..	XV.	F4.5	26	10	0	29	0	0	30	0	0	38	10	0	48	0	0
Dallmeyer Dallmac ... ..	XXXII.	F3.5	26	10	0	29	0	0	30	0	0	38	10	0	48	0	0
Dallmeyer Pentac ... ..	XIX.	F2.9	33	0	0	35	0	0	37	0	0	48	0	0	—	—	—
Dallmeyer Dallton ... ..	VI.	F5.6	28	10	0	30	0	0	31	0	0	41	0	0	51	0	0
Dallmeyer Adon ... ..	XI.	F4.5	28	10	0	29	0	0	30	0	0	—	—	—	—	—	—
Goerz Dogmar ... ..	—	F4.5	23	15	0	25	10	0	26	10	0	34	15	0	42	15	0
Goerz Dogmar ... ..	—	F4.5	24	0	0	25	10	0	26	10	0	34	15	0	42	15	0
Zeiss Tessar ... ..	—	F6.3	30	15	0	31	5	0	32	5	0	42	15	0	52	10	0
Zeiss Tele-Tessar ... ..	—	F6.3	30	15	0	31	5	0	32	5	0	42	15	0	52	10	0
Camera, shutter, and plate-holders, no lens	—	—	17	10	0	18	0	0	19	0	0	25	10	0	30	0	0
Camera and shutter only; no plate-holders	—	—	16	3	0	16	13	0	17	13	0	23	15	0	32	7	0

FOR ACCESSORIES, SEE PAGES 39 AND 40.

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.  
 All prices quoted are subject to alterations without notice.



# Duplex Reflex



Fitted with—

Ruby Self-capping.  
Time and Instantaneous Focal Plane Shutter, with Auto Stop and Universal Speed Control.

Giving—

Time Exposures of any duration.  
Instantaneous Exposures from  $\frac{1}{16}$  to  $\frac{1}{1000}$ th second.  
And if fitted with Patent Time Exposure Valve (25/- extra),  
Short Automatic Exposures of  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2, and 3 seconds.

These Automatic Valve Exposures are given with the Focussing Hood closed.

*NOTE.*—The Time Value can be fitted to instruments previously supplied; the cost for fitting is then 35/-, and it is necessary to send the camera to our Works for fitting.

## SPECIFICATION

**CAMERA.**—Body made of mahogany throughout, covered with fine seal-grained morocco leather. All external metal fittings black oxidized, enamelled or plated. Camera back of specially seasoned and prepared ebonyed wood. Rack-work rising and falling panel.

**LENS BOX** of black ebonyed wood, with sky shade. Detachable and reversible, with clamp.

**FOCUSsing HOOD.**—Stiffened leather, hinged for cleaning ground glass.

**REVOLVING BACK.**—Automatic. Self-locking for vertical or horizontal pictures.

**REFLECTING MIRROR** of specially prepared glass, **SILVERED ON THE SURFACE**, everset.

**RUBY FOCAL PLANE SHUTTER.**—Self-capping, quickwind. Latest and most perfect type.

**PLATE-HOLDERS.**—Three, each holding two plates. Bookform slides, in place of plate-holders, extra at difference in price.

This Outfit can be supplied in the "OVERSEAS" pattern, made of seasoned teak. Brassbound throughout. See page 38.

## PRICES

Leather Covered.	Series.	Aperture.	ins. $3\frac{1}{2} \times 2\frac{1}{2}$ or $6\frac{1}{2} \times 9$ c/m.		$\frac{1}{4}$ -plate ins. $4\frac{1}{4} \times 3\frac{1}{4}$		$9 \times 12$ c/m.		ins. $5 \times 4$ P.C. $9 \times 14$ c/m. $10 \times 15$ c/m.		$\frac{1}{2}$ -plate ins. $6\frac{1}{2} \times 4\frac{1}{2}$		ins. $7 \times 5$ $13 \times 18$ c/m.				
			£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
T.-P. Cooke ... ..	—	F4.5	26	10	0	27	5	0	28	5	0	37	0	0	—	—	
Kershaw Anastigmat ... ..	—	F4.5	—	—	—	30	10	0	—	—	—	—	—	—	—	—	
Aldis Anastigmat ... ..	I.	F4.5	28	0	0	28	15	0	29	15	0	38	0	0	47	5	0
Aldis Anastigmat ( $\frac{1}{4}$ -plate, 6" lens)	O.	F3	31	15	0	32	5	0	44	0	0	51	0	0	—	—	
Taylor-Hobson Cooke Aviar ...	II.	F4.5	29	14	0	31	5	0	32	5	0	41	5	0	52	0	0
Taylor-Hobson Cooke Anastigmat	XI.	F3.5	30	5	0	31	0	0	32	0	0	—	—	—	—	—	
Taylor-Hobson Cooke Anastigmat	X.	F2.5	39	0	0	43	0	0	44	0	0	—	—	—	—	—	
Taylor-Hobson Cooke Anastigmat	X.	F3.5	35	10	0	37	10	0	38	10	0	47	15	0	58	10	0
Taylor-Hobson Cooke Telephoto	VIII.	F4.5	30	0	0	31	10	0	32	10	0	45	10	0	58	0	0
Ross Xpres ... ..	—	F3.5	34	0	0	35	15	0	36	15	0	42	0	0	52	10	0
Ross Xpres ... ..	—	F5.5	36	10	0	37	0	0	38	0	0	47	0	0	68	0	0
Ross Teleros ... ..	—	F3.5	34	0	0	35	15	0	36	15	0	42	0	0	52	10	0
Dallmeyer Serrac ... ..	XV.	F4.5	30	0	0	31	10	0	32	10	0	47	15	0	65	10	0
Dallmeyer Dallnac ... ..	XXII.	F3.5	32	10	0	35	0	0	36	0	0	45	10	0	58	0	0
Dallmeyer Pentac ... ..	XIX.	F2.9	39	0	0	41	0	0	43	0	0	55	0	0	—	—	
Dallmeyer Dallon ... ..	XI.	F5.6	34	10	0	36	0	0	37	0	0	48	0	0	61	0	0
Dallmeyer Adon ... ..	VI.	F4.5	34	10	0	35	0	0	36	0	0	—	—	—	66	0	0
Goerz Dogmar ... ..	—	F4.5	29	15	0	31	10	0	32	10	0	41	15	0	52	15	0
Zeiss Tessar ... ..	—	F4.5	30	0	0	31	10	0	32	10	0	41	15	0	52	15	0
Zeiss Tele-Tessar ... ..	—	F6.3	36	15	0	37	5	0	38	5	0	49	15	0	62	10	0
Camera, shutter, and plate-holders, no lens	—	—	23	10	0	24	0	0	25	0	0	32	10	0	40	0	0
Camera and Shutter only, no plate-holders	—	—	22	3	0	22	13	0	23	13	0	30	16	0	37	15	0

FOR ACCESSORIES, SEE PAGES 39 AND 40.

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.  
All prices quoted are subject to alteration without notice

# "Overseas" Reflex Cameras.

For Tropical and other climates where extremes of heat and moisture are encountered, the "OVERSEAS" Series of Reflex Cameras are recommended.



The Teak  
DUPLIX

They are constructed of selected teak, thoroughly seasoned, strongly brass-bound and polished, and include three teak brass-bound bookform slides.

Made in two standard models—

**RUBY DE LUXE**  
Single Extension.

**DUPLIX,**  
Double Extension.

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery. All prices quoted are subject to alteration without notice.

**PRICES**

RUBY DE LUXE	Series.	Aperture.	3 1/4 x 2 1/4 or 6 1/4 x 9 c/m.			1/2-plate 4 1/4 x 3 1/4			9 x 12 c/m.			5 x 4 P.C. 9 x 14 c/m. 10 x 15 c/m.			1/2-plate 6 1/2 x 4 1/4			13 x 18 7 x 5 c/m.			
			£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	
T.-P. Cooke ... ..	—	F4.5	33	0	0	35	15	0	36	15	0	44	10	0	—	—	—	—	—	—	
Aldis Anastigmat	I.	F4.5	34	10	0	37	5	0	38	5	0	45	10	0	57	5	0	67	5	0	
Aldis Anastigmat (1/2-plate, 6" lens) ...	O.	F3	38	5	0	40	15	0	52	10	0	58	10	0	—	—	—	—	—	—	
Taylor-Hobson Cooke Aviar ... ..	II.	F4.5	36	4	0	39	15	0	40	15	0	48	15	0	62	0	0	72	0	0	
Taylor-Hobson Cooke Anastigmat ... ..	XI.	F3.5	36	15	0	39	10	0	40	10	0	0	0	0	—	—	—	—	—	—	
Taylor-Hobson Cooke Anastigmat ... ..	XI.	F2.5	45	10	0	51	10	0	52	10	0	63	10	0	83	0	0	93	0	0	
Taylor-Hobson Cooke Telephoto ... ..	VIII.	F5.6	42	0	0	46	0	0	47	0	0	53	0	0	68	0	0	78	0	0	
Ross Xpres ... ..	—	F4.5	36	10	0	40	0	0	41	0	0	49	10	0	62	10	0	72	10	0	
Ross Xpres ... ..	—	F3.5	40	10	0	44	5	0	45	5	0	54	10	0	78	0	0	88	0	0	
Ross Teleros ... ..	—	F5.5	43	0	0	45	10	0	46	10	0	55	5	0	75	10	0	85	10	0	
Dallmeyer Serrac ... ..	XV.	F4.5	36	10	0	40	0	0	41	0	0	49	10	0	62	10	0	72	10	0	
Dallmeyer Dalmac ... ..	XXII.	F3.5	39	0	0	43	10	0	45	5	0	53	0	0	68	0	0	78	10	0	
Dallmeyer Pentac ... ..	XIX.	F2.9	45	10	0	49	10	0	51	5	0	62	10	0	—	—	—	—	—	—	
Dallmeyer Dallon ... ..	VI.	F5.6	41	0	0	44	10	0	45	10	0	55	10	0	71	0	0	81	0	0	
Goerz Dogmar ... ..	—	F4.5	36	5	0	40	0	0	41	0	0	49	5	0	62	15	0	72	15	0	
Zeiss Tessar ... ..	—	F4.5	36	10	0	40	0	0	41	0	0	49	5	0	62	15	0	72	15	0	
Zeiss Tele-Tessar ... ..	—	F6.3	43	5	0	45	15	0	46	15	0	57	5	0	72	10	0	82	10	0	
Camera, shutter, plate-holders, no lens	—	—	30	0	0	32	10	0	33	10	0	40	0	0	50	0	0	60	0	0	
Camera and shutter only, no plate-holders ... ..	—	—	26	5	0	28	15	0	29	15	0	35	17	0	44	10	0	54	0	0	
<b>DUPLIX</b>																					
T.-P. Cooke ... ..	—	F4.5	39	0	0	41	15	0	43	5	0	54	10	0	—	—	—	—	—	—	
Aldis Anastigmat	I.	F4.5	40	10	0	43	5	0	44	15	0	55	10	0	67	5	0	77	5	0	
Aldis Anastigmat (1/2-plate, 6" lens) ...	O.	F3	44	5	0	46	15	0	59	0	0	68	10	0	—	—	—	—	—	—	
Taylor-Hobson Cooke Aviar ... ..	II.	F4.5	42	4	0	45	15	0	47	5	0	58	15	0	72	0	0	82	0	0	
Taylor-Hobson Cooke Anastigmat ... ..	XI.	F3.5	42	15	0	45	10	0	47	0	0	—	—	—	—	—	—	—	—	—	
Taylor-Hobson Cooke Anastigmat ... ..	X.	F2.5	51	10	0	57	10	0	59	0	0	73	10	0	93	0	0	103	0	0	
Taylor-Hobson Cooke Telephoto ... ..	VIII.	F5.6	48	0	0	52	0	0	53	10	0	63	0	0	78	0	0	88	0	0	
Ross Xpres ... ..	—	F4.5	42	10	0	46	0	0	47	10	0	59	10	0	72	10	0	82	10	0	
Ross Xpres ... ..	—	F3.5	46	10	0	50	5	0	51	15	0	64	10	0	88	0	0	98	0	0	
Ross Teleros ... ..	—	F5.5	49	0	0	51	10	0	53	0	0	65	5	0	85	10	0	95	10	0	
Dallmeyer Serrac ... ..	XV.	F4.5	42	10	0	46	0	0	47	10	0	59	10	0	72	10	0	82	10	0	
Dallmeyer Dalmac ... ..	XXII.	F3.5	45	0	0	49	10	0	51	15	0	63	0	0	78	0	0	88	0	0	
Dallmeyer Pentac ... ..	XIX.	F2.9	51	10	0	55	10	0	58	0	0	72	10	0	—	—	—	—	—	—	
Dallmeyer Dallon ... ..	VI.	F5.6	47	0	0	50	10	0	52	0	0	65	10	0	81	0	0	91	0	0	
Goerz Dogmar ... ..	—	F4.5	42	5	0	46	0	0	47	10	0	59	5	0	72	15	0	82	15	0	
Zeiss Tessar ... ..	—	F4.5	42	10	0	46	0	0	47	10	0	59	5	0	72	15	0	82	15	0	
Zeiss Tele-Tessar ... ..	—	F6.3	49	5	0	51	15	0	53	5	0	67	5	0	82	10	0	92	10	0	
Camera, shutter, plate-holders, no lens	—	—	36	0	0	38	10	0	40	0	0	50	0	0	60	0	0	70	0	0	
Camera and shutter only, no plate-holders ... ..	—	—	32	5	0	34	15	0	36	5	0	45	17	0	54	10	0	64	0	0	



# Reflex Carrying Cases, etc.

## FOR RUBY DE LUXE & DUPLEX CAMERAS



### WATERPROOF AND LEATHER.

The waterproof cases are made in two qualities, C and K. The former is of selected tan mail with "all-round" straps, and is most durable; the latter is made of tan twill, lined with green baize, and offers excellent value.

The leather cases are of supreme value, and are specially recommended where the photographer travels or carries the camera for any distance by motor.

### PRICES

	3½ × 2½	½-plate.	9 × 12 c/m.	Postcard.	½-plate.	13 × 18 c/m.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Stiff Waterproof Cloth Case to hold camera and 3 slides, carrying handle and shoulder strap, K quality	1 2 6	1 7 6	1 12 6	2 0 0	2 7 6	2 15 0
As above, for 6 slides	1 10 0	1 15 0	2 0 0	2 7 6	2 15 0	3 2 6
" " 3 " C quality	1 15 0	2 0 0	2 7 6	2 15 0	3 2 6	3 10 0
" " 6 " " " "	2 5 0	2 10 0	2 17 6	3 5 0	3 12 6	4 0 0
Black Leather Case, to hold camera and 3 slides, with lock, handle, and shoulder strap	2 10 0	3 0 0	3 10 0	4 0 0	4 10 0	5 5 0
As above, for 6 slides	3 5 0	3 15 0	4 5 0	4 15 0	5 5 0	6 0 0
Solid Leather Attache Case, to hold camera, 3 slides, with two lever locks, and handle, velvet lined	3 15 0	4 10 0	4 15 0	5 5 0	5 15 0	6 10 0
As above, for 6 slides	4 10 0	5 5 0	5 15 0	6 5 0	7 5 0	8 5 0

## WEIGHTS AND SIZES OF REFLEX CAMERAS

### DIMENSIONS IN INCHES (APPROXIMATE).

CAMERA.	Size of Plate.	Approx. Shortest Focus Lens.	Size of Camera Body.			Projections of Fittings.		Weight without Lens lbs.	Distance from Screen to Front.	
			Height.	Width.	Length.	Width.	Length.		Closed.	Extended.
JUNIOR SPECIAL	3½ × 2½	5	6½	5½	6	1½	—	3½	5½	7½
	4½ × 3½	6	7½	5½	6½	1½	—	4½	6½	9½
	9 × 12 c/m.	6	8	6½	7	1½	—	5	6½	9½
SPECIAL RUBY	3½ × 2½	5	6½	5½	6½	1½	1½	3½	5½	7½
	4½ × 3½	6	7½	6	7½	1½	1½	4½	6	8½
	9 × 12 c/m.	6	8	6½	7½	1½	1½	5½	6½	9½
RUBY DE LUXE	Postcard	7	9½	7½	8½	1½	1½	7	8	10½
	6½ × 4½	8	10½	8	10	1½	1½	9½	9½	15
	13 × 18c/m.	8	11½	8½	10½	1½	1½	12	10½	15½
DUPLEX	3½ × 2½	5	6½	4½	6½	1½	1½	4½	6½	10½
	4½ × 3½	6	8	6	7½	1½	1½	5½	7½	12½
	9 × 12 c/m.	6	9½	6½	8½	1½	1½	6	8	12½
DUPLEX	Postcard	7	9½	7	9½	1½	1½	8½	8½	17
	6½ × 4½	8	10½	8	10	1½	1½	10	9½	18½
	13 × 18c/m.	8	11½	8½	10½	1½	1½	12½	10½	19



# Reflex Plate and Film Holders

## SINGLE METAL PLATE HOLDERS

Single Metal Slides are supplied with Junior, Victory and Special Ruby Reflex Cameras up to the Postcard and 10 x 15 c/m. sizes, and hold one plate each.

PRICES					
3½ × 2½	4¼ × 3¼	9 × 12 c/m.	Postcard	10 × 15 c/m.	
3/-	3/-	3/-	4/-	4/-	



## SOLID DOUBLE PLATE HOLDERS

These are fitted to the Special Ruby, Ruby de Luxe and Duplex Cameras, and are made of well-seasoned mahogany, ebony polished, and with metal draw-out shutters. Each slide holds two plates.

PRICES					
3½ × 2½	4¼ × 3¼	9 × 12 c/m.	Post-card.	½-plate.	13 × 18 c/m.
£ s. d. 0 17 6	£ s. d. 0 17 6	£ s. d. 0 17 6	£ s. d. 1 2 6	£ s. d. 1 10 0	£ s. d. 1 15 0



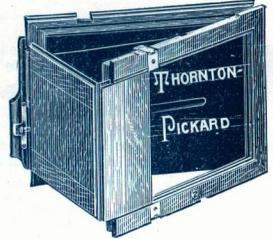
## DOUBLE BOOKFORM SLIDES

These Slides are of the highest quality of specially-seasoned mahogany, ebony polished. They are interchangeable with the double plate-holders above.

PRICES					
3½ × 2½	4¼ × 3¼	9 × 12 c/m.	Postcard 10 × 15 c/m.	½-plate.	13 × 18 c/m.
£ s. d. 1 18 6	£ s. d. 1 18 6	£ s. d. 1 18 6	£ s. d. 2 5 0	£ s. d. 2 17 6	£ s. d. 3 5 0

A Special Model is made for Tropical climates, of selected Teak, strongly brassbound.

3½ × 2½	4¼ × 3¼	9 × 12 c/m.	Postcard 10 × 15 c/m	½-plate.	13 × 18 c/m.
£ s. d. 2 10 0	£ s. d. 2 10 0	£ s. d. 2 10 0	£ s. d. 2 15 0	£ s. d. 3 12 6	£ s. d. 4 0 0



## FILM PACK ADAPTERS

Made in two models. Five sizes. These Film Pack Adapters will be found to be of superior design and construction, and are well finished. They are De Luxe models, with the hinged holder handsomely covered with leather.

Model "A" is suitable for the Junior, Victory and Special Ruby, metal slide fitting, and Model "D" for the Special Ruby, double plate-holder fitting, Ruby de Luxe and Duplex Reflex instruments.

Model "A" is interchangeable with metal slides, and Model "D" with a register of 5/32 is designed for the double plate-holder fitting.

PRICES					
Model.	3½ × 2½	½-pl.	9 × 12 c/m.	Post-card.	½-pl.
"A" ...	15/-	15/-	15/-	17/6	—
"D" ...	25/-	27/6	27/6	32/6	37/6

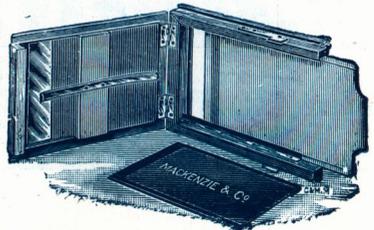


## MACKENZIE WISHART SLIDE

A daylight loading system, using glass plates in special envelopes. For cameras fitted for double plate-holders or slides. For cameras fitted for single metal slides, see pages 00 and 00.

PRICES			Envelopes, Model "A."
Slides.	Model "A."		
3½ × 2½ ...	49/-		4/11 each
4¼ × 3¼ ...	52/-		5/2 "
9 × 12 c/m. ...	56/3		5/2 "
5 × 4 and P.C. ...	61/-		5/5 "
6½ × 4½ ...	72/10		5/10 "

Fitting M.W. Slide to Camera, extra: 3/6 3½ × 2½ and ½-plate; 5/- 5 × 4, P.C. and ½-plate; 6/- 13 × 18 c/m.

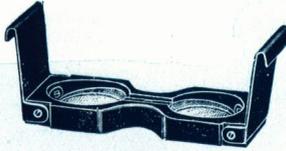




## Folding Magnifiers and Releases

### T.P. FOLDING MAGNIFIERS

Fit in Reflex Hood.



Give a PERFECTLY  
MAGNIFIED  
SINGLE IMAGE.

The T.P. Folding Magnifiers provide a solution to a real trouble experienced by many users of Reflex Cameras, caused by the difficulty they have experienced, through probably impaired eyesight, in obtaining pictures when focussing on the top screen.

The T.P. Magnifiers present to the observer an evenly illuminated and evenly focussed enlarged image of the screen, and by their aid the most critical focussing can be accomplished even in adverse light conditions.

The T.P. Magnifiers are quite different from those usually offered to the public, which consist of two magnifying lenses more or less correctly paired, and giving two separate images which entail a certain amount of eyestrain in the endeavour to make them merge into a single image.

In the T.P. Magnifiers the Lenses are of prismatic form, stereoscopically paired, and give immediately large magnified single image.

They are equally suitable for those who have eyeglasses of complicated formula as for those who do not require to use glasses at all, and they can be recommended to every Reflex User as being most desirable for obtaining perfect definition in their negatives.

### OPINIONS OF USERS

DONCASTER.

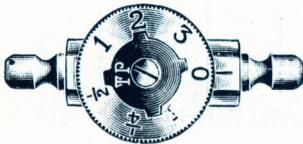
"I have tried the Magnifiers, and have solved my difficulty. The light is very bad to-day, but they work perfectly." G. H.

LONDON.

"I am much obliged for your kind favour enclosing Focussing Magnifiers, which I can see are a most useful adjunct to a Reflex Camera." H. T.

PRICE complete 25/-  
in case

### T.P. PATENT TIME VALVE

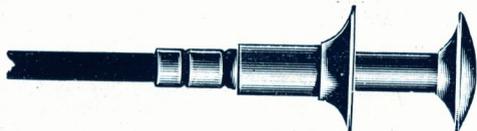


The range of speeds of the T.-P. Reflex may be greatly extended by the addition of a Pneumatic Release fitted with a T.-P. Patent Time Valve, which enables automatic exposures of  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2 and 3 seconds to be given without consulting a timepiece. When making the exposure, the shutter is set at time and the top hood cover closed, and the mirror raised out of action.

The cost of fitting to a new camera is 25/-; fitting to a camera previously supplied, 35/-; in the latter case the camera must be sent to our Works for adaptation.

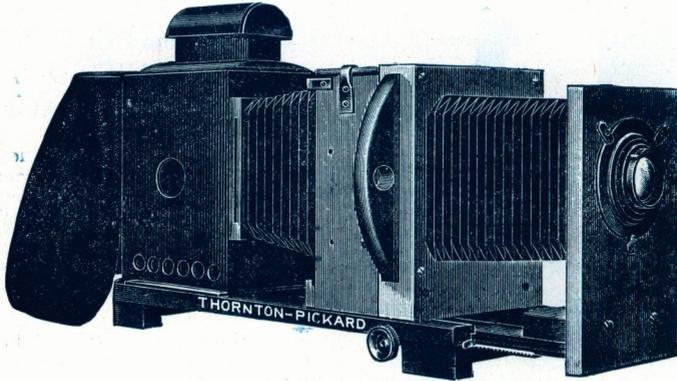
### Antinous Release

The T.-P. Reflex may be fitted with Antinous Release, working direct on to the release lever. The release is detachable, and will be found of service by many workers. Price, 10/6.





# Imperial Enlargers



## UNIQUE FEATURES

Rack and pinion focussing to front. Reversible negative carrier. Spring-controlled carrier guide. Bellows connection between lamp house and condenser. Removable diffuser. A model whose simplicity, efficiency and low price offers remarkable value. It is an ideal outfit for a beginner.

The woodwork is substantially made in mahogany, and well polished.

The body is of good design, with sight hole of ruby glass.

The body can be moved backwards and forwards in brass runners for adjustment of light. Light-tight bellows connect to the condenser, allowing of considerable movement.

An adjustable curtain is fitted to the body as in the more expensive models.

The front is extremely rigid, extends by rack and pinion, and has sufficient play to allow of reduction to the size of lantern plates, even in the  $\frac{1}{2}$ -plate size, except with portrait lens.

The condenser is the best quality double plano-convex, and of large size.

The portrait lens is of good quality, with iris diaphragm and orange cap.

## PRICES

	Series.	Aper- ture.	4 plate. $5\frac{1}{2}$ " Condenser.		9 x 12 c/m. $6\frac{1}{4}$ " Condenser.	
			£	s. d.	£	s. d.
Without Lens ... ..	—	—	5 10	5 0	6 40	0 0
With Portrait Lens ... ..	—	—	6 10	0	7 15	0 0
„ Aldis Lens ... ..	III.	F7.7	7 15	0	9 0	0 0
„ Aldis Lens ... ..	—	F6	8 10	0	9 15	0 0
„ T.-P. Cooke Lens ... ..	II.	F4.5	8 17	6	10 2	6 6

## ACCESSORIES FOR ENLARGERS.

### CARRIERS

For smaller size plates ... .. each £ s. d.  
0 2 6

### INCANDESCENT GAS OUTFITS

INVERTED—Complete as above ... .. 1 5 0

„ Less expensive outfit, but excellent value ... .. 0 11 6

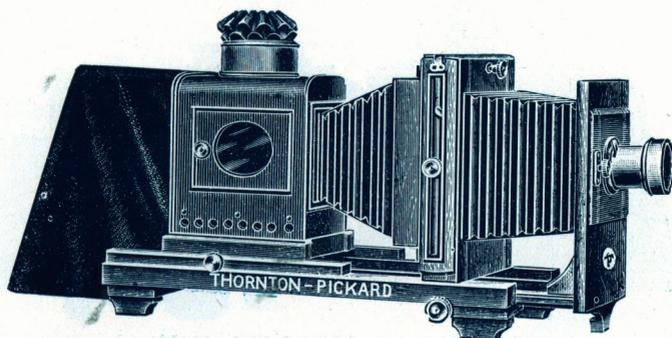
### ELECTRIC

Half-watt Lamp Holder, complete on tray, with adjustable holder, adjustable optically worked silvered and coppered Mangin mirror, and 9 ft. of flexible wire ... .. 0 17 6

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery  
All prices quoted are subject to alteration without notice.



# “Artist” Enlarger



## T.-P. ARTIST ENLARGER.

### DISTINCTIVE FEATURES

Made in beautifully finished fumed oak. Rack and pinion adjusted complete revolving carrier. Central swing for correcting distortion. Rack and pinion action for adjustment of light. Improved lantern body with adjustable curtain. Bellows adjustment to condenser. Detachable diffuser.

The woodwork throughout is of solid fumed oak, well seasoned and finished in good style.

The front, which is fitted with rise and fall, is extremely rigid, extends by rack and pinion, and has sufficient play to allow of reduction to the size of lantern plates, even in the  $\frac{1}{2}$ -plate size. The supporting foot fitted to the front ensures its rigidity in any position.

The lantern body is of special construction, being of large size—sufficient to take any illuminant. The body containing the illuminant is capable of very fine adjustment, being worked by rack and pinion.

An adjustable curtain prevents the emission of direct light.

A bellows attachment is fitted in lieu of condenser cones, facilitating the adjustment of the illuminant.

A removable ground glass diffuser is fitted, an addition which will be much appreciated when using filament lamps, as it eliminates the difficulty of obtaining even illumination.

The carrier is a most important feature, being a modified Model of the No. 6 M.C.C., which has won such universal approval. One adjustment completely rotates the negative, thus enabling an image out of square on the negative to be projected correctly. Another swings the carrier on its axis for the correction of distortion, an ingenious screw action controlling the least movement.

The carrier in the  $\frac{1}{2}$ -plate size of enlarger will take a  $5 \times 4$  or postcard negative, so that a portion may be enlarged or reduced.

The condenser, double plano-convex of best quality, being 7" diam. in the  $5 \times 4$  and postcard size, and  $8\frac{1}{2}$ " diam. in the  $\frac{1}{2}$ -plate size (*i.e.*, larger than usual), prevents any possible cut-off. A feature of T.-P. Enlargers is the ease with which the condensers may be removed for cleaning. The objective is of best quality, very rapid, fitted with iris diaphragm and orange cap.

### PRICES

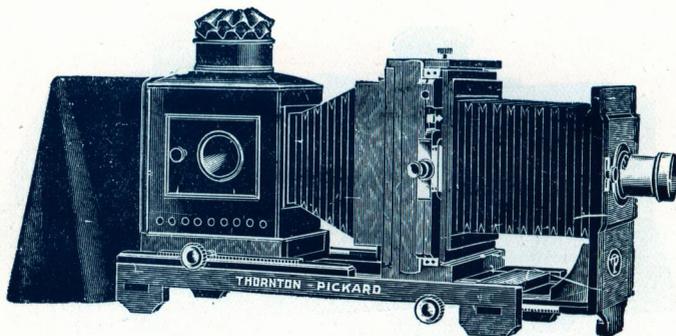
	Series.	Aper- ture.	$\frac{1}{2}$ -plate. $5\frac{1}{2}$ " Con- denser.	$9 \times 12$ c/m. $6\frac{1}{2}$ " Con- denser.	$5 \times 4$ and P.C. 7" Con- denser.	$\frac{1}{2}$ -plate. $8\frac{1}{2}$ " Con- denser.	$13 \times 18$ c/m. 9" Con- denser.
			£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Without Lens ...	—	—	10 10 0	12 0 0	13 10 0	16 15 0	18 10 0
With Portrait Lens ...	—	—	11 15 0	13 5 0	14 15 0	19 7 6	21 2 6
„ Aldis Lens ...	III.	F7.7	13 0 0	14 10 0	16 5 0	19 15 0	21 10 0
„ Aldis Lens ...	II.	F6	13 15 0	15 5 0	17 0 0	—	—
„ T.-P. Cooke Lens ...	—	F4.5	14 15 0	16 5 0	17 15 0	22 15 0	24 10 0

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.

All prices quoted are subject to alteration without notice.



# M.C.C. No. 6 Enlarger



(PATENT)

## THE ROYAL AIR FORCE ENLARGER

This model has won for itself a great reputation by virtue of its general excellence and special range of movements, worked by rack and pinion—covered by patents—contained in no other instrument. Every movement unique—every detail perfect—quality beyond comparison.

The woodwork throughout is of quartered fumed oak, beautifully finished. The lantern body is of special construction, fitted with an adjustable curtain which prevents the emission of direct light.

The distance between the light and the condenser is regulated by rack and pinion. The carrier is self-centring, and may be inserted and worked from either side. It has the following unique movements actuated by four independent pinion heads.—

**RISE AND FALL.**—The large pinion works the rise and fall from below the carrier.

**CROSS MOVEMENT.**—The central pinion works the lateral movement, which allows of considerable adjustment—an entirely new movement.

**ROTATING.**—The small pinion revolves the negative to any position from the horizontal to the vertical (or vice versa); an ingenious device indicates when the horizontal or vertical has been attained.

**CENTRAL SWING.**—The pinion at the top of the carrier body gives central swing for correcting distortion.

The extension of the baseboard is worked by rack and pinion, and affords sufficient play to allow of reduction to the size of lantern plates, even in the  $\frac{1}{4}$ -plate size.

The carrier in the  $\frac{1}{4}$ -plate size of enlarger will take a  $5 \times 4$  or postcard negative, so that a portion may be enlarged or reduced.

The condenser, double plano-convex of best quality, being 7" diam. in the  $5 \times 4$  and postcard size,  $8\frac{1}{2}$ " diam. in the  $\frac{1}{4}$ -plate size, and 11" in the 1/1-plate size (*i.e.*, larger than usual), prevents any possible cut-off.

The portrait lens is specially selected, of great rapidity, giving excellent definition, and is fitted with iris diaphragm and orange cap.

This **ENLARGER** was adopted—in competition with other makes—by The **ROYAL AIR FORCE** as the Standard Enlarger for their critical and exacting work.

### PRICES

	Series.	Aperture.	$\frac{1}{4}$ -plate. $5\frac{1}{2}$ " Condenser.	$9 \times 12$ c/m. $6\frac{1}{2}$ " Condenser.	$5 \times 4$ and P.C. 7" Condenser.	$\frac{1}{4}$ -plate. $8\frac{1}{2}$ " Condenser.	$13 \times 18$ c/m. 9" Condenser.	1/1-plate. 11" Condenser.
			£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Without Lens ...	—	—	18 10 0	20 10 0	24 0 0	27 15 0	30 0 0	50 0 0
With Portrait Lens ...	—	—	19 15 0	21 15 0	25 5 0	30 7 6	32 12 6	53 10 0
„ Aldis Lens ...	III.	F7.7	21 0 0	23 0 0	26 15 0	30 15 0	33 0 0	55 0 0
„ Aldis Lens ...	II.	F6	21 15 0	23 15 0	27 10 0	—	—	—
„ T.-P. Cooke Lens ...	—	F4.5	22 15 0	24 15 0	28 5 0	33 15 0	36 0 0	—

Prices of Anastigmat Lenses are quoted subject to the maker's prices at time of delivery.  
All prices quoted are subject to alteration without notice.



# Waterproof and Leather Cases

## FOR FIELD CAMERAS

All the Camera Cases supplied by us are of our own special designs for the Camera Outfits of our manufacture. They are, nevertheless, equally convenient for Cameras of other makes. Owing to the extensive trade which we do in these Cases, it is possible for us to offer exceptional value.



### WATERPROOF

**PATTERNS C and D.**—Stiff Waterproof Cloth Cases, leather bound, rigid division, lined with green baize and fitted with snap lock and key, handle, and shoulder strap. May be used knapsack fashion.

**Pattern C** holds camera, three slides, shutter, lens, focussing cloth, etc.

**Pattern D** holds camera, six slides, shutter and accessories.

**PATTERN K.**—Special quality, Stiff Waterproof Tweed Cloth Case, lined with green baize, fitted with rigid fixed division and shoulder strap. Thoroughly well bound on all edges, and fastening in front with two straps and buckles. Nickel-plated lock and key. An excellent case of exceptional value, suitable for Imperial outfits. To hold camera and three slides.

**PATTERN L.**—Good quality, Stiff Tan Waterproof Case, lined with green baize, fitted with rigid fixed divisions and shoulder strap. Well bound on all edges, and fastening in front with two straps and buckles. A case of very good value, suitable for College outfits. To hold camera and three slides.



### LEATHER

**PATTERNS F and G.**—Manufactured from the best brown solid leather, very strongly built and internal steel framing, and are of the best portmanteau finish in all respects. Lined with good quality velvet, fitted with fixed velvet-covered division, and loose velvet pads. Best strong brass lever lock and key. Sling shoulder strap, handle on top, and two smaller straps with buckles fitted completely round case and securing in front. Strongly studded feet on bottom.

**Pattern F** holds camera, three slides, shutter, lens, focussing cloth, etc.

**Pattern G** holds camera, six slides, shutter, and accessories.

**PATTERN O.**—A good, strong, and serviceable Leather Case at a lower price than our standard pattern leather cases. Made of best quality leather, and well finished, lined with baize, and fitted with strong nickelled lock and key.

This is a thoroughly reliable and substantial article, and a case which we have every confidence in recommending to those who require a good leather case at a moderate price. It is made to hold camera, shutter, three plate-holders, lens, and focussing cloth, and is specially suitable for the Imperial Triple Extension and College outfits.



### PRICES

Size.	4½ × 3½	5 × 4 9 × 12 c/m.	6½ × 4½	7½ × 5 13 × 18 c/m.	8½ × 6½	10 × 8 18 × 24 c/m.	12 × 10
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Pattern C...	1 10 0	1 12 6	1 15 0	1 17 6	2 0 0	2 10 0	3 5 0
Pattern D...	1 17 6	2 0 0	2 5 0	2 10 0	2 15 0	3 5 0	4 5 0
Pattern K...	0 15 0	0 17 6	1 0 0	1 2 6	1 5 0	2 0 0	3 0 0
Pattern L...	0 12 6	0 14 0	0 17 6	1 0 0	1 2 6	—	—
Pattern F...	—	—	4 0 0	4 10 0	5 10 0	6 10 0	10 0 0
Pattern G...	—	—	6 0 0	6 10 0	7 10 0	9 0 0	15 0 0
Pattern O...	2 0 0	2 10 0	3 0 0	3 5 0	3 10 0	—	—



# PRICE LIST OF CAMERAS

	Page in Catalogue.	SIZE OF PLATE IN INCHES.	ins. 3¼ × 4¼	ins. 5 × 4 9 × 12 c/m.	ins. 5½ × 3½ 9 × 14 c/m.	ins. 6½ × 4¾	ins. 7½ × 5 and 13 × 18 c/m.	ins. Whole-plate 8½ × 6¼	ins. 10 × 8 and 18 × 24 c/m.	ins. 12 × 10 and 24 × 30 c/m.	
<b>CAMERA and TURNTABLE Only</b>	14	<b>ROYAL RUBY</b> —	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
	14	"    "    Triple Extension ...	—	—	—	18 2 6	22 0 0	25 15 0	29 17 6	50 0 0	
	10	"    "    Brassbound ...	—	—	—	21 10 0	26 7 6	31 10 0	36 0 0	60 0 0	
	10	<b>IMPERIAL</b> ...	5 17 6	6 5 0	6 5 0	6 10 0	7 0 0	9 17 6	15 0 0	23 10 0	
	8	"    "    Brassbound ...	8 7 6	8 15 0	8 15 0	9 12 6	10 17 6	13 15 0	19 10 0	28 15 0	
		<b>COLLEGE</b> ...	—	—	—	4 10 0	—	—	—	—	
<b>CAMERA and SHUTTER Only</b>			3¼ × 4¼	9 × 12 c/m.	5 × 4 & P.C.	6½ × 4¾	13 × 18 c/m	<b>ESTIMATES</b> given for Cameras of larger size than quoted in this list.			
	37	<b>DUPLEX RUBY REFLEX</b> ...	22 13 6	23 13 6	30 16 0	37 15 0	42 7 6				
	38	"    "    in Teak ...	34 15 0	36 5 0	45 17 6	54 10 0	64 0 0				
	37 & 38	"    "    3½ × 2½ ...	22 3 6	In Teak	32 5 0	—	—				
	36	<b>RUBY DE LUXE REFLEX</b> ...	16 13 6	17 13 6	23 16 0	27 15 0	32 7 6				
	38	"    "    in Teak ...	28 15 0	29 15 0	35 17 6	44 10 0	54 0 0				
	36 & 38	"    "    3½ × 2½ ...	16 3 6	In Teak	26 5 0	—	—				
	35	<b>SPECIAL RUBY REFLEX</b> For dbl. plate-holder or single metal slides	12 1 0	13 1 0	19 18 6	—	—				
		"    "    3½ × 2½ ...	11 11 0	—	—	—	—				
	33	<b>JUNIOR SPECIAL RUBY REFLEX</b> "    "    3½ × 2½ ...	8 10 0	—	—	—	—				
23	<b>ALL-WEATHER PRESS CAMERA</b> "    "    3½ × 2½ ...	8 0 0	—	—	—	—					
		"    "    3½ × 2½ ...	8 13 6	12 13 6	12 13 6	—	—				
<b>SLIDES.</b>	Double Bookform, Royal Ruby, Mahogany ...	3¼ × 2½	—	—	—	1 15 0	2 0 0	2 10 0	3 5 0	5 0 0	
"	"    "    "    Brassbinding extra ...	—	—	—	—	0 12 6	0 12 6	0 15 0	0 17 6	1 5 0	
"	"    "    Imperial and College, Mahogany ...	—	0 17 6	0 18 6	0 18 6	1 1 0	1 5 0	1 15 0	2 10 0	3 12 6	
"	"    "    "    Brassbinding extra ...	—	0 9 6	0 9 6	0 9 6	0 11 0	0 12 0	0 13 0	0 17 6	1 5 0	
"	"    "    "    for Reflex ...	1 18 6	1 18 6	1 18 6	2 5 0	2 17 6	3 5 0	—	—	—	
"	"    "    Double Solid Blockform ...	—	—	—	—	0 10 0	—	—	—	—	
<b>PLATE-HOLDERS,</b>	solid, for Ruby and other Stand Cameras ...	—	—	—	—	0 10 0	—	—	—	—	
"	"    "    for Reflex ...	0 17 6	0 17 6	0 17 6	1 2 6	1 10 0	1 15 0	2 0 0	2 5 0	—	
<b>METAL PLATE-HOLDERS,</b>	single, for Junior and Special Ruby Reflex ...	0 3 0	0 3 0	0 3 0	0 4 0	1 10 0	1 15 0	—	—	—	
<b>STANDS,</b>	Ruby, three-fold ...	—	—	—	—	1 12 0	1 12 0	2 5 0	4 4 0	5 12 6	
"	"    "    Tops for above with Swivel Screw ...	—	—	—	—	0 6 0	0 6 0	0 6 0	0 9 0	1 5 0	
"	"    "    Imperial, three-fold ...	—	1 10 0	1 10 0	1 10 0	1 10 0	1 10 0	1 10 0	3 12 0	4 4 0	
"	"    "    College, two-fold ...	—	—	—	—	0 15 0	—	—	—	—	
"	"    "    Tops for above ...	—	0 4 6	0 4 6	0 4 6	0 4 6	0 4 6	0 4 6	0 6 0	0 6 0	
<b>Plate Carriers,</b>	for smaller size of Plates, outside measure ...	—	0 4 6	0 4 6	0 4 6	0 1 6	0 1 9	0 2 0	0 3 0	0 4 0	
<b>Extra Panels for</b>	Imperial Camera Front ...	—	0 2 6	0 2 6	0 2 6	0 2 6	0 2 6	0 3 6	0 4 6	0 5 6	
"	"    "    Royal Ruby Triple Extension Front ...	—	—	—	—	0 4 6	0 4 6	0 5 0	0 6 0	0 7 6	



# Abridged Price List of Shutters

## TIME AND INSTANTANEOUS

Size, to fit on a Lens Hood in/m.	1½ 38	1¾ 41	2 51	2½ 63	3 76	3½ 89	4 101	4½ 114	5 127	5½ 140	6 152
Standard Pattern Before-Lens ...	30/-	32/-	34/-	37/6	42/-	47/6	53/6	60/-	67/6	75/-	95/-
„ Behind-Lens ...	31/-	33/-	35/6	39/-	43/6	49/-	55/-	61/6	70/-	80/-	100/-
Stereoscopic Before-Lens ...	35/-	37/6	40/-	45/-	—	—	—	—	—	—	—
„ Behind-Lens...	36/6	39/-	42/6	48/-	—	—	—	—	—	—	—
Silent Studio Before-Lens ...	—	—	37/6	40/-	45/-	50/-	57/6	65/-	72/6	80/-	—
„ „ Behind-Lens ...	—	—	39/-	41/6	46/6	51/6	59/-	66/6	75/-	85/-	—
„ „ Inside Cameras ...	—	—	40/-	42/6	47/6	52/6	60/-	67/6	76/-	86/-	—
Special Shutter Before-Lens } Foreground Shutter ... }	—	35/-	37/6	40/-	45/-	50/-	57/6	65/-	72/6	—	—

## FOCAL PLANE

	4¼ × 3¼	½ plate.	13 × 18 c/m. 7½ × 5 in.	1/1 plate.	10 × 8 ins. 18 × 24 c/m.	12 × 10 ins. 24 × 30 c/m.
Model No. 1 ... ..	£ s. d. 2 0 0	£ s. d. 2 10 0	£ s. d. 2 15 0	£ s. d. 3 0 0	£ s. d. 4 0 0	£ s. d. 6 0 0
„ 2 ... ..	—	—	—	—	5 5 0	7 0 0
„ 3 ... ..	3 0 0	3 12 6	4 5 0	4 15 0	—	—
“RUBY” ... ..	4 10 0	5 10 0	—	—	—	—

## SHUTTER ACCESSORIES

	£	s.	d.
Time Exposure Valve only, fitted to Shutter ... ..	0	6	0
Patent Time Exposure Valve, with Arabesque Ball, Tube and Teat ... ..	0	9	6
Patent Ball Compressor with Special Ball supplied to New Shutters ... ..	0	4	6
Ditto, to Shutters previously sent out, 4/6; fitting, 1/- ... ..	0	5	6
Special Ball only, for use with Compressor ... ..	0	1	6
Arabesque Ball, Tube and Teat complete ... ..	0	3	3
Arabesque Ball only, suitable for above release ... ..	0	2	0
Cable Release ... ..	0	1	6
Patent Rubber Moulding, per foot, or any less quantity ... ..	0	1	4
Adapters for fitting Shutters to more than one Lens, Rubber only ... ..	0	1	4
Adapters, Wooden, lined with Rubber, up to 2½ in. ... ..	0	3	0
Adapters, Wooden, lined with Rubber, any size larger ... ..	0	3	6
Brass Binding Shutters for hot climates, up to 3 in., extra ... ..	0	6	6
Larger sizes in proportion.			
Extra Panels for Behind-Lens Shutters, up to 2½ in., 1/9; 3½ in., 2/6; 5 in. ... ..	0	3	0
Do. do. Stereoscopic Shutter, 3 in. centres ... ..	0	2	6
Do. do. with Adjustable centres ... ..	0	15	0



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## REPAIRS— their Importance

It would be difficult to imagine anything more annoying than the spoiling of expensive apparatus by bad repairing. It is therefore very essential that repairs should only be entrusted to thoroughly practical and scientific workmen. We have exceptional facilities for successfully dealing with repairs of most kinds, and of most makes of apparatus, at quite moderate prices.

An estimate invoice is always submitted so that one knows exactly the expense that will be incurred before the work is put in hand.



Flying Scotchman at 70 miles per hour          E. T. Parsons.  
Taken with a T.-P. RUBY REFLEX OUTFIT.



The Duel. Bristol City v. Southend United. F. G. Bird.  
Taken with a T.-P. JUNIOR REFLEX OUTFIT.



Kirk gets away with it. Bristol City v. Bristol Rovers. F. G. Bird  
Taken with a T.-P. JUNIOR REFLEX OUTFIT.

CATALOGUE



THORNTON PICKARD

1926