



HOUGHTONS
LTD

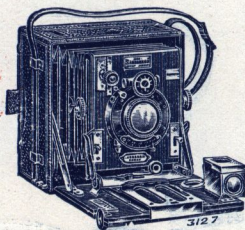


"Sanderson" Hand Cameras. REGULAR MODELS.

It is the natural desire of every serious worker to possess the Camera that will most readily comply with his various needs, and in thousands of cases the "Sanderson" has been his choice, owing to the fact that no other Camera so eminently fulfils the necessary conditions of an all-round instrument.

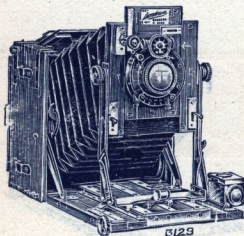
Our aim from time to time has been to add improvements and additional movements, so that whatever may be the line of work for which the Camera may be required, it will be fully capable of dealing with it, but in no case has a movement or adjustment been added that would in any way hamper even the most inexperienced worker, the construction being such that all the adjustments are held in reserve, and only when they are actually required need they be resorted to.

The universal swing front, the movement that has made the "Sanderson" famous, provides for the rising and swinging of the Lens Front in any direction, and yet allows the action to be entirely governed by a single pair of locking nuts. All the actions of the "Sanderson" are controlled from the back. The Lens swings on its axis and travels upwards, forwards and backwards, on a pair of struts slotted in their full length. The action is always steady, smooth and regular, and there is no danger of the lens "dropping" and necessitating re-focussing.



It is not workmanship alone that has made the "Sanderson" the success it is. No camera is protected by so many patents, and the utility of the camera is dependent upon these various protected movements working in conjunction with one another. The swing movement would be of little use if the front could not be locked readily at any point, and the extreme rise would be of little use without the patented body and the method of preventing cutting off. However, these are only two of the features that the "Sanderson" shares with no other camera, and which have helped to place it in the premier position which it undoubtedly holds.

SPECIAL "TROPICAL" MODELS.



The Tropical Model is made of teak, and can be submitted to great extremes of heat and cold. Every joint dowelled with brass. No Leather Covering. It is the one camera above all others that should be specified for exploration or frontier work.

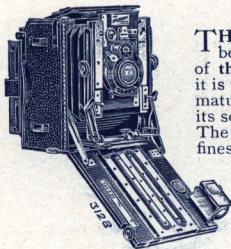
A complete catalogue of Sanderson Cameras will be sent free to any one who applies for it.

HOUGHTONS L^{TD}



"SANDERSON" Cameras.

"DE LUXE" MODELS.



THE "Sanderson de Luxe" Hand Camera has been introduced for those requiring an instrument of the most perfect finish and quality of workmanship it is possible to produce. The woodwork is of well-matured Spanish mahogany, specially selected for its soundness, richness of colour, and fine figuring. The cabinet work is faultless and the covering of the finest black morocco leather.

PRICES OF SANDERSONS.

No. 1K. Camera, complete with "Ensign" Anastigmat Lens, Series VII.N, F/7.7, "Ensign Sector" Shutter, Finder, Level and 3 Double Plate Holders.

Model.	...	$4\frac{1}{2} \times 3\frac{1}{4}$	5×4	$5\frac{1}{2} \times 3\frac{1}{2}$ (Post-Card)	$6\frac{1}{2} \times 4\frac{3}{4}$
"Regular"	...	£6 10 0	£7 10 0	£8 2 6	£10 10 0
"Tropical"	...	7 15 0	9 0 0	9 12 6	12 0 0
"De Luxe"	...	10 0 0	11 10 0	—	18 0 0

Also made with "Zeiss," "Cooke," "Goerz," "Dallmeyer," "Aldis," "Ross," and other fine Anastigmats.

"SANDERSON" FIELD CAMERAS.

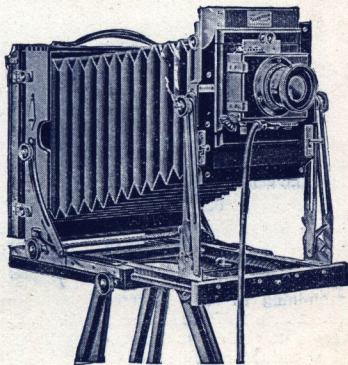
A "Sanderson" is absolutely indispensable to the expert photographer who frequently has to take difficult and unusual subjects.

For architectural work it fulfils every requirement and can be relied upon to give perfectly satisfactory pictures under any conditions.

Every convenience and facility for work has been carefully considered and carried out.

"Sanderson" Cameras are high-class London-made instruments; the materials used in their construction are specially selected, and neither in design nor workmanship have they a superior.

Though the build and weight have been kept down to the utmost possible degree, there has been no attempt to bring the dimensions of this instrument within the cramped limits adopted by many camera makers, who have considered lightness and compactness of far greater importance than usefulness and efficiency.



Prices from £5 10 0 ($\frac{1}{4}$ -plate) in the Regular Popular, as illustrated.

Send for Complete Price List.

HOUGHTONS L^{TD}



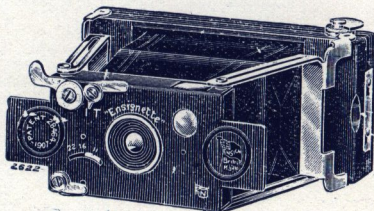
"Ensignette" Cameras for the Waistcoat Pocket.

Daylight Loading.

. In Two Sizes. .

The clear, crisp negatives which it is possible to obtain from the "Ensignette," renders the carrying of a large camera unnecessary, except on special occasions.

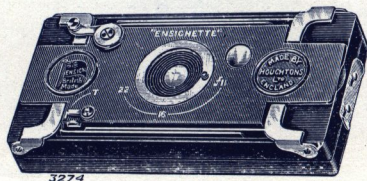
Simplicity in use and excellence of results are responsible for the great reputation of the "Ensignette" cameras. Enlargements made from "Ensignette" negatives are often indistinguishable from contact prints obtained with much larger cameras.



Practically every "Ensignette" user becomes enthusiastic in its praise. Its great efficiency accounts for this. Easy to use, and containing nothing but essential fittings, there is never the slightest need to hesitate when a pleasing subject presents itself. The ever-ready quick-action

of the "Ensignette" makes it especially valuable when travelling. There is no focussing, no worrying about dark slides; you run off six exposures on the film and can re-load in half a minute.

The new model (No. 2) just introduced has won instant favour. It gives such a large picture (3×2 ins.) in comparison with the size of the camera that every photographer should make a point of examining it. The features which have made the original model the most universally used camera are all retained. The No. 2 "Ensignette" can be obtained fitted with fine Anastigmat lenses. Every photographer should see specimen prints taken with the new camera. Write direct if your dealer cannot show them.



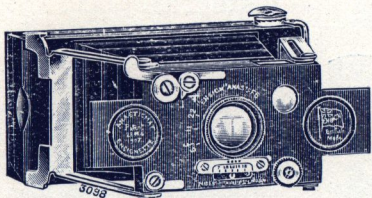
No. 1 Ensignette (for pictures $2\frac{1}{4} \times 1\frac{1}{2}$ ins.)	...	30/-
No. 2 Ensignette (for pictures 3×2 ins.)	...	50/-

HOUGHTONS LTD



"ENSIGNETTE" Camera.

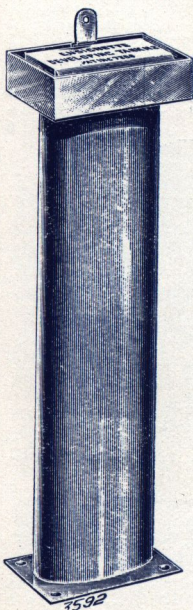
ANASTIGMAT MODELS.



The ever-ready daylight loading "Ensignette" Camera when fitted with an Anastigmat Lens is the most valuable Camera that an earnest amateur photographer can possess. Both models can be carried comfortably in the waistcoat pocket, and the magnificent optical qualities of the fine Anastigmats fitted make it possible to get beautifully crisp brilliant little negatives.

Prices of Anastigmat Models with Focussing Adjustment.

	No. 1. "Ensignette" for pictures 2½ x 1½ in.	No. 2. "Ensignette" for pictures 3 x 2 in.
With "Ensign" Anastigmat f/6 ...	No. 1n. £3 15 0	No. 2n. £5 0 0
With "Aldis" Anastigmat f/6.8 ...	No. 1d. 3 15 0	No. 2d. 5 0 0
With "Cooke" Anastigmat ...	No. 1b. 5 5 0	No. 2b. 6 15 0
With "Goerz" Anastigmat f/5.8 ...	No. 1g. 6 5 0	No. 2g. 7 10 0
With "Zeiss Tessar" Anastigmat ...	No. 1z. 6 15 0	No. 2z. 8 0 0



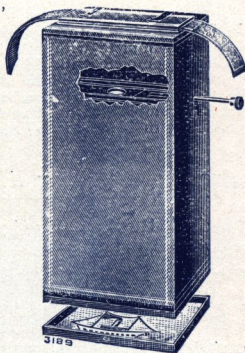
ENSIGNETTE" PRINTING BOX.

With the "Ensignette" Printing Box, the amateur can automatically enlarge his pictures to the full standard size post-card (5½ x 3½) without loss of definition.

The apparatus is exceedingly simple and can be used with success by anyone who can develop a Print.

No. 1 "Ensignette" Post-Card Printing Box (for Bromide Post-Cards), complete with instructions ... 5/6

No. 2 "Ensignette" Post-card Printing Box (for Bromide Post-cards), complete with instructions 7/6.



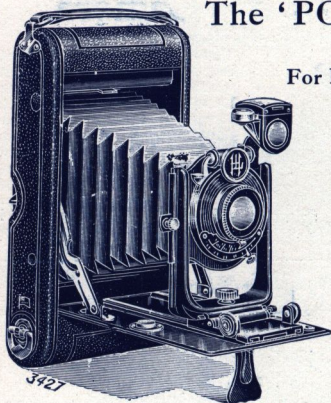
DAYLIGHT DEVELOPING TANKS FOR "ENSIGNETTE" FILMS.

New Model for No. 2 "ENSIGNETTE."

With this new Tank the whole of development can be done in daylight. It is exceedingly well made on an entirely new principle. Film development with this Tank is about as easy as it can possibly be. Developing, washing and fixing can all be done in the tank, thus doing away with much trouble. Solidly made of metal and handsomely nickel-plated.

Complete, 10/6

Daylight Tank for No. 1 "ENSIGNETTE." 7/6



The 'POCKET ENSIGN' Cameras.

For Roll Films or Plates.

Very compact Folding Pocket Cameras of perfect design and workmanship for use with Daylight-Loading Roll Films or Plates.

The simplest form of the single-extension Roll Film Pocket Cameras of the more expensive type.

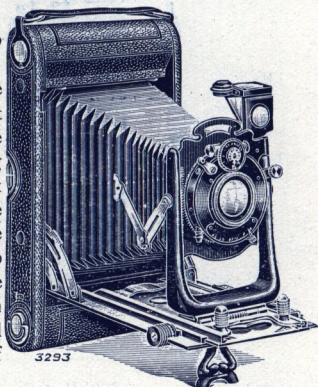
The Shutter fitted to the No. 000 Series is of the simplest kind, with three Instantaneous speeds, 1/25th, 1/50th, 1/100th, as well as Time and Bulb exposures:

No. 000, complete with Rectimat Symmetrical Lens ...	...	£2 10	0	£3 5	0
No. 000k, complete with "Ensign" Anastigmat Lens, f/7.7 ...	...	3 2	6 4	2 6	
No. 000n, complete with "Ensign" Anastigmat Lens, f/6 ...	...	3 12	6 4	12 6	
No. 000d, with "Aldis-Plano" Anastigmat Lens, f/6.8 ...	...	3 12	6 4	12 6	
No. 00, complete with "Rectimat Symmetrical Lens ...	...	3 0	0 3	15 0	
No. 00n, complete with "Ensign" Anastigmat Lens, f/6 ...	...	3 17	6 4	17 6	
No. 00d, with "Aldis-Plano" Anastigmat Lens, f/6.8 ...	...	3 17	6 4	17 6	

Pocket

"Ensign de Luxe."

These "Pocket Ensign de Luxe" models are the best Cameras that can possibly be obtained of this type. Having a Double Extension, the back combination of the lens can be used alone in many cases. The Bellows Extenders come into action automatically when the extension is used. A special form of "Stirrup" front is fitted, and a very ingenious method of working the rising front.

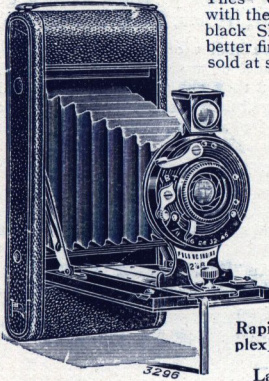


"ENSIGN DE LUXE" complete for Roll		With "Ensign Sector" Shutter	
Films with "Ensign" Anastigmat Lens,	...	4½ × 3½	5½ × 3½
Series VII n., 4½ in., f/7.7 ...	...	No. 3k. £5 5 0	No. 4k. £6 5 0
Ditto, with "Ensign" Anastigmat Lens, f/6 ...	...	3t. 6 5 0	4t. 7 7 6
Ditto, with "Cooke-Luxor" Anastigmat, f 6.8 ...	...	3L. 6 12 6	4L. 7 15 0
Ditto, with "Zeiss Tessar" Lens, f/6.3 ...	...	3z. 9 10 0	4z. 10 12 6

HOUGHTONS L^{TD}



New "FOLDING ENSIGN" Cameras.



These Cameras slip easily into the pocket, and with their black polished Baseboard, black Bellows, black Shutter and covering are better looking and better finished than any Cameras that have ever been sold at such low prices.

The body with the baseboard is made of wood, the detachable panel back is of metal.

A very simple and ingenious Patent Focusing Lock is provided, setting the focus for 15 ft., 7 ft., 5 ft., or 3 ft., as may be required.

"2½ B Folding Ensign," with Achro- £ s. d.
matic Meniscus Lens and Ensign Junior-Auto Shutter for Roll Films, 2½ × 3½ in. ... 1 1 0

"2½ Folding Ensign," ditto for Roll Films, 2½ × 4½ in. ... 1 10 0

"2½ RR Folding Ensign," with Rapid Rectilinear Lens and Ensign Simplex Shutter for Roll Films, 2½ × 4½ ins. ... 1 17 6

Larger Models (slightly different in pattern).

"3½ Folding Ensign," complete with Achromatic Meniscus Lens and Ensign Simplex-Auto Shutter for Roll Films, 3½ × 4½ in. ... 1 17 6

"3½ RR Folding Ensign," complete with Rapid Rectilinear Lens and Ensign Simplex-Auto Shutter for Roll Films, 3½ × 4½ in. ... 2 2 0

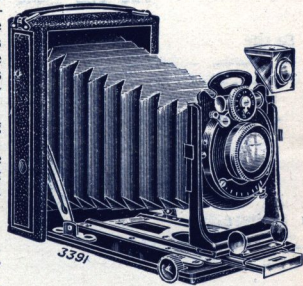
"FOLDING KLITO" Cameras.

A Camera of this type can be used on a stand for architecture, portraiture, still-life, copying and so on, or held in the hand for snapshot work. The design is marked by extreme compactness—the whole camera folding into the thickness of the body—and exceptional rigidity when extended.

Particular attention is drawn to the strong "stirrup" front, cast in one solid piece. The covering is of black leatherette, the belows are of black leather. Rising Front movement fitted. Takes metal dark slides for single plates.

No. 000. "Folding Klito" with Rapid Achromatic Lens and one slide (½ plate) ... 21/-

No. 000a. Model with Rectimat Lens 25/-



MODELS with ANASTIGMAT LENSES.

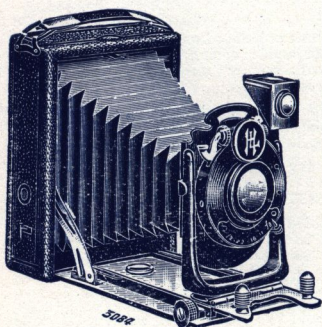
	£	s.	d.
No. 00k. with "Ensign" f/7.7 Lens and two slides (½-plate) ...	2	2	0
No. 00n. with "Ensign" f/6 Lens and two slides ..	2	12	6
No. 00d. with "Aldis-Plano" f/6.8 Lens and two slides ..	2	12	6

Also made in Quarter Plate Double Extension Models, 55/- to £8, and in Post Card Size (Single and Double Extensions) 50/- to £9 7s. 6d.

HOUGHTONS LTD



"FOLDING KLITO" Cameras



for Plates in Dark Slides, or Flat Films, Film Packs, etc.

The bodies of these Cameras are made of well-seasoned hardwood, and they are fitted with a blacked aluminium baseboard. A short rack and pinion is provided to facilitate focussing.

The exceptionally rigid cast stirrup front is fitted to a hinged sliding carriage which permits of the addition of a cross front as well as a rising front.

An "Ensign Sector" shutter is fitted on the No. 4 Models. Two slides are included in the price.

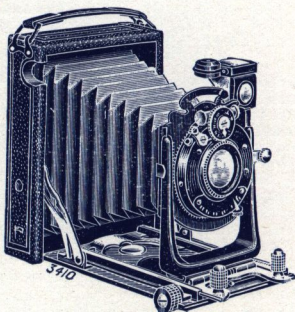
With Rectimat Symmetrical Lens	No. 3. £2 2 0	No. 4. £2 10 0
With Ensign Anastigmat Lens, f/7.7	.. 3k. 2 15 0	.. 4k. 3 2 6
With Ensign Anastigmat Lens, f/6	.. 3n. 3 5 0	.. 4n. 3 12 6
With Aldis-Plano Anastigmat Lens, f/6.8	.. 3d. 3 5 0	.. 4d. 3 12 6

"FOLDING KLITO De Luxe."

These British-made Cameras are the best that can possibly be obtained of this type. They are very handsomely finished in black with blacked aluminium baseboard, black leather bellows and nickelled fittings.

In the Double-Extension models the back combination of the lens can be used alone in many cases. Bellows extenders which come into action automatically are fitted to the double-extension models.

Very rigid and yet compact. Covered in real morocco leather. New hinged stirrup front with travelling carriage. Rising and cross front, and special focussing hood.



"FOLDING KLITO DE LUXE," with "Ensign" Anastigmat Lens, Series VII in 4 3/4 in., f/7.7, and 2 Single Metal Slides ..
 Ditto, with "Ensign" Anastigmat Lens, Series V., 4 3/4 in., f/5.5
 Ditto, with "Aldis-Plano" Anastigmat Lens, 6 in., f/6.8
 Ditto, with "Cooke-Luxor" Anastigmat Lens, 5 in., f/6.8
 Ditto, with "Zeiss-Tessar" Lens, Series IIb., No. 4, f/6.3

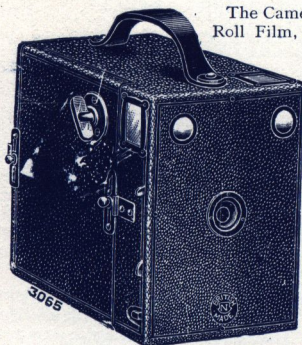
Single Extension	Double Extension
No. 8k. £3 15 0	No. 9k. £4 7 6
.. 8w. 5 12 6	.. 9w. 6 5 0
.. 8d. 4 5 0	.. 9d. 4 17 6
.. 8L. 5 2 6	.. 9L. 5 15 0
.. 8z. 8 0 0	.. 9z. 8 12 6

HOUGHTONS LTD



"ENSIGN" Box Form Cameras.

The Daylight-Loading Roll Film Camera in its Simplest Form.



The Cameras are loaded in daylight with spools of Roll Film, containing material for six or a dozen pictures. This loading takes about a minute, and as it can be done anywhere, no time is wasted when the Camera has to be re-charged. Roll Film Spools are obtainable everywhere, take up little space, and a supply can be carried in the coat pocket.

Although more bulky than the folding type of Roll Film Camera, the Box-Form Models are always ready for instant use, and have the advantage of being very low in price, owing to the simplicity of their construction.

A fine quality Achromatic Meniscus Lens is fitted. The Shutter is Everset and gives Time and Instantaneous Exposures. Ground Glass View Finders,

for upright and oblong pictures, and built into the body of the Cameras, are provided, and each Camera is fitted with a leather carrying-handle.

"2½A Ensign." Pictures, 2½ × 2½ 5/- "2½ Ensign." Pictures, 4¼ × 2½ 12/6
 "2½B Ensign." Pictures, 3¼ × 2½ 10/- "3¼ Ensign." Pictures, 3¼ × 4¼ 17/6

List on Application.

"KLITO" Hand Cameras.

Box Form (For Plates).

These reliable British-made Cameras are guaranteed to give good results. With the simple Everset shutter fitted one cannot go wrong, and the sunk shutter release prevents accidental exposures. An improved plate changer is supplied for the magazine. The lens is of fine quality and will give sharp pictures, bright and clear to the extreme corners.

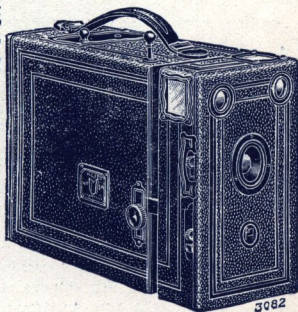
	£	s.	d.
No. 000. Klito, for 6 Plates, 3½ × 2½	0	7	6
No. 00a. Klito, for 6 Plates, 4¼ × 3¼	0	10	6
No. 00b. Klito, for 12 Plates, 4¼ × 3¼	0	12	6
No. 0. With Rapid Rectilinear Lens, 3 Magnifiers for Portraits at 3 ft., 6 ft. and 9 ft. ...	1	1	0
No. 1. With Rapid Achromatic Lens, and Rack and Pinion Focussing, with Engraved Scale ...	1	1	0

Other Magazine Klitos at prices varying from £1 5s. to £7 10s.

MASCOT CAMERAS.

(A Cheaper Line.)

No. 1. For 6 Plates, 3½ × 2½ ...	5/6
No. 1a. For 6 Plates, 4¼ × 3¼ ...	7/6

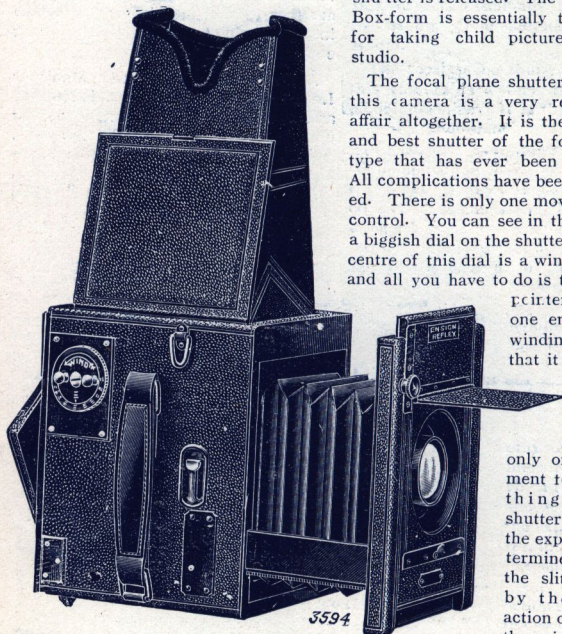


HOUGHTONS LTD



The "ENSIGN" Box-form Reflex Camera.

The "Ensign" Box-form Reflex works so sweetly and smoothly that there is never a disconcerting sound. The mirror never falls with a jarring flop just at the psychological moment. There are no sither-startling rattles when the shutter is released. The "Ensign" Box-form is essentially the Reflex for taking child pictures in the studio.



The focal plane shutter fitted to this camera is a very remarkable affair altogether. It is the simplest and best shutter of the focal plane type that has ever been invented. All complications have been abolished. There is only one movement to control. You can see in the picture a biggish dial on the shutter. In the centre of this dial is a winding key, and all you have to do is to set the pointer fixed at one end of the winding key so that it points to the required speed.

There is only one movement for everything. The shutter is wound the exposure determined, and the slit altered by the mere action of setting the pointer.

There are ever so many other features, such as a revolving back, reversing focussing hood, sunk lens cone, rising and falling front, sky-shade, and so on, but we want you to see this camera, or write to us if you are thinking about getting a Reflex, so that you can learn all the good points yourself.

HOUGHTONS LTD



The "ENSIGN" Box-form Reflex Camera.

The Focal Plane Shutter is of an entirely new type,⁷ but is so simple and so perfect that it will compel the admiration of every Camera user.

The Blind is self-capping, and all complicated tension adjustments and other cumbersome fittings are dispensed with.

There is no possibility of giving Time or Bulb exposures when "Instantaneous" is intended. The range of exposure is perfect. The slowest Instantaneous Exposure is 1/15th of a second; the highest is 1/1000th. Here is a full list of approximate speeds:—1/15th, 1/25th, 1/40th, 1/50th, 1/75th, 1/100th, 1/150th, 1/250th, 1/500th, 1/1000th, Bulb, Time. These speeds are all indicated on the plate of the Key Wind; no reference to a speed table necessary.

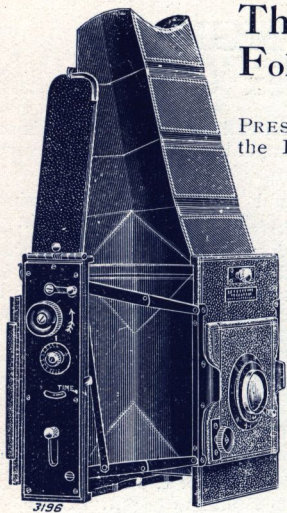
Prices of the Quarter-Plate Model ($4\frac{1}{4} \times 3\frac{1}{4}$ in.).

No.	Description	£	s.	d.
No. 4w.	Camera, complete with "ENSIGN" Anastigmat Lens f/5.5, Series V., No. 1, 6 in., and Three Double Plate Holders ..	11	10	0
No. 4x.	Ditto, with "ENSIGN" Anastigmat Lens f/4.5, Series IV., No. 1, 6 in., ditto ..	12	17	6
No. 4z.	Ditto, with "ZEISS TESSAR" Anastigmat Lens f/4.5, Series Ic., No. 15, 6 in., ditto ..	14	7	6
No. 4e.	Ditto, with "ZEISS DOUBLE AMATAR" Anastigmat Lens f/6.8, Series IX., No. 5, 6 in. ditto ..	13	7	6
No. 4p.	Ditto, with "Cooke" Anastigmat Lens f/4.5, Series II., $5\frac{1}{2}$ in., ditto ..	13	15	0
No. 4h.	Ditto, with "Goerz Dagor" Anastigmat Lens f/6.8, Series III., No. 1, 6 in., ditto ..	14	2	6
No. 4v.	Ditto, with "Goerz Celor" Anastigmat Lens f/4.8, Series Ib., No. 1., 6 in., ditto ..	14	7	6
No. 4q.	Ditto, with "Dallmeyer" Stigmatic Lens f/6, Series II., No. 3, $6\frac{1}{4}$ in. ..	14	12	6
	Camera and Three Double Plate Holders, without Lens ..	8	10	0

Also supplied in the following sizes:— $3\frac{1}{2} \times 2\frac{1}{2}$ ins., 9×12 c.m., 5×4 ins., $5\frac{1}{2} \times 3\frac{1}{2}$ ins., and $6\frac{1}{2} \times 4\frac{3}{4}$ ins.

Complete List free on application.

HOUGHTONS LTD



The "HOUGHTON" Folding Reflex Camera

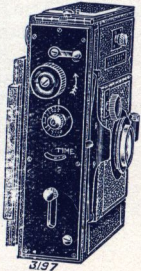
(PATENT)

PRESERVES every known advantage of the Reflector Camera, but it folds up neatly and compactly for carrying. The framework measures only 7½ by 6 by 2½ inches. The Camera is opened in the same way as an ordinary Focal Plane Hand Camera, the extending struts locking the front rigidly in position. The Camera is beautifully made of ebonized mahogany and oxidized metal, with some of the more important fittings nickel-plated, Morocco leather covering, and Bellows of best quality leather. The Hood Supports rise automatically on pressing a button, the Mirror is set and the hood ready for viewing in a moment. The back revolves, a feature of great importance in instantaneous work.

The perfection of the Shutter is very remarkable. Every action is controlled from the outside, and as the slit opening is automatically governed by the winding of the Shutter, there is no trouble in altering the size of the opening. There is a single spring locking dial for controlling the range of different exposures, viz., Bulb, 1/10th, 1/20th, 1/40th, 1/60th, 1/80th, 1/100th, 1/130th, 1/160th, 1/250th, 1/400th, 1/500th, 1/1000th of a second. A separate catch is used for Time exposures.

The "Houghton" Folding Reflex Camera is made in Quarter-Plate size only, and is sold complete as described, with three special Double Plate Holders, of best quality, with vulcanite draw-out shutters.

No. 1x.	Complete, with "ENSIGN" Anastigmat Lens f/5.8, Series I., 6 in. Focus	4½ x 3½ in.	£21 10 0
No. 1z.	Ditto, "ENSIGN" Anastigmat Lens f/4.5, Series IV., 6 in. Focus	23 10 0	
No. 1b.	Ditto, "ZEISS TESSAR" Anastigmat Lens f/4.5, Series Ic., 6 in. Focus	24 10 0	
No. 1p.	Ditto, "Cooke" Anastigmat Lens f/4.5, Series II., 6 in. Focus	24 0 0	
No. 1a.	Ditto, "Goerz" Celor Anastigmat Lens f/4.8, Series Ib., 6 in. Focus	24 10 0	
Camera and Three Double Plate Holders, without Lens		18 0 0	

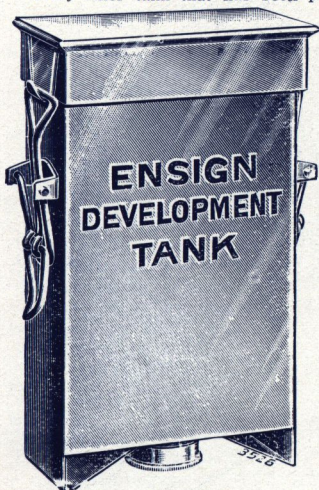


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New "ENSIGN" Development Tank.

THE "ENSIGN" Development Tank is something quite different from every other tank that has been produced, and possesses features that lift it right out of the ruck of the ordinary tank devices. It is made entirely of brass very heavily nickel-plated. The inner rack is not only removable, but is constructed on a new principle altogether, which enables every plate to be put into the rack instantly and without fumbling, even though the work is done in the dark—a great convenience for loading. The action of clamping on the lid renders the tank light-tight, and water-tight. The lid of the tank is fitted with a soft rubber pad, into which the top edges of the tank are pressed by the action of clamping. The locking clamps are ingenious, but very simple, and have no loose parts. The developer is introduced through a nozzle fitted with a screw cap. This nozzle opening is protected by the light trap, so that there is no risk of fogging the plates while the developer is being poured in.



TO DEVELOP 6 PLATES,

No. 0.	$3\frac{1}{2} \times 2\frac{1}{4}$	...	...	...	8/6
No. 1.	$4\frac{1}{4} \times 3\frac{1}{4}$	...	...	...	8/6
No. 2.	5×4	...	...	...	10/6
No. 3.	$5\frac{1}{2} \times 3\frac{1}{2}$	...	...	...	10/6
No. 4.	$6\frac{1}{2} \times 4\frac{1}{4}$	...	...	...	13/6

The "ENSIGN" Safe-Light (REFLECTED) (LIGHT ONLY)

THE "Ensign" Safe-Light Lamp is thoroughly well-made, and perfectly ventilated. The source of light is hidden, and only reflected rays can pass through the light filter. This filter is a scientifically constructed screen of dyed gelatine bound between two protecting glasses, and owing to the construction of the lamp it cannot get overheated. There is a trapped air entry underneath the filter holder, and the cool air passes diagonally across the safe light towards the burner and upwards through the chimney. Further ventilation is provided at the base of the lamp chamber. The design of the lamp body provides a flat surface from which the light rays are reflected at an angle of 45° , so that an evenly distributed glow of light comes from the whole surface of the large light filter. There is a reflector behind the light which concentrates the rays in the proper direction.

No. 1A, "Ensign" Safe-Light Lamp, with Incandescent Gas Burner and one 10×8 Tested Light Filter 12/6





"Ensign"

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PROFESSIONAL DEPARTMENT.

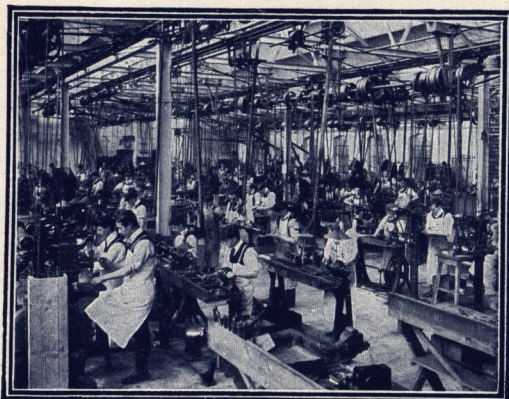


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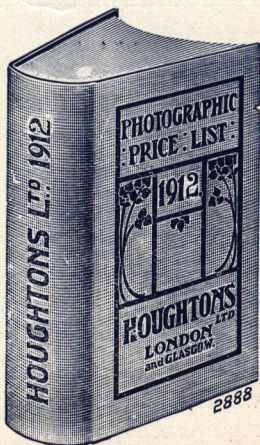
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