

COMPLETE SETS WITH

Watson's "ACME" Cameras

and "Holostigmat" Lenses.

Any item not required may be left out from the Set, and its cost deducted, or single article supplied separately.

SIZES.	6½×4½	7½×5	8½×6½	10×8	12×10	15×12
	£ s. d.	£ s. d.				
"Acme" Camera and 3 Double Slides	9 12 0	10 0 0	12 5 0	14 0 0	16 12 6	21 0 0
Rotating Turntable in base, and Tripod Stand Series I., "Holostigmat"	2 2 0	2 2 0	2 2 0	2 10 0	2 15 0	3 3 0
Convertible Lens, working at f/6	7 5 0	8 12 6	9 10 0	14 0 0	18 0 0	24 0 0
Solid Leather Travelling Case, with Spring Lock	1 15 0	1 15 0	2 2 0	2 10 0	3 0 0	3 15 0
'Koilos' or Compound Diaphragm Shutter	2 8 0	2 8 0	2 14 0	3 0 0	Thornton-Standard 19 0	Pickard Pattern. 1 2 0
	23 2 0	24 17 6	28 13 0	36 0 0	41 6 6	53 0 0

If a more rapid lens than f/6.1 is desired, Series 1A f/4.6 should be taken, see page 931.

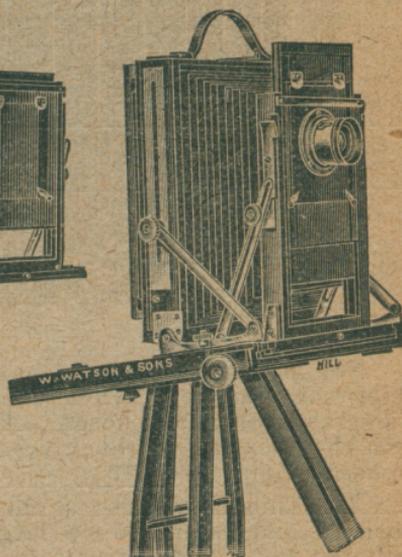
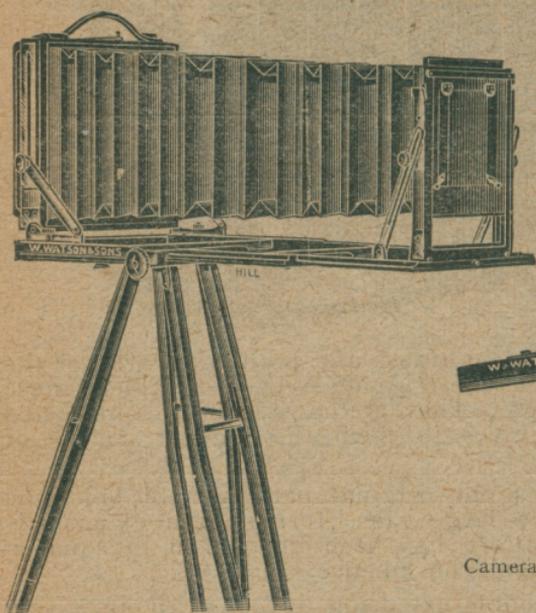
The following additions may be made to the above Sets—

	£ s. d.					
Brass or Aluminium Binding to Camera and Slides	1 10 0	1 10 0	1 15 0	2 0 0	2 10 0	3 0 0
Replacing brass fittings to Camera and Slides by Aluminium	2 10 0	2 10 0	3 0 0	3 10 0	4 0 0	4 10 0
Telephoto Attachment for Holostigmat Lens "Holos Convertible"	3 0 0	3 0 0	3 0 0	—	—	—
Wide-Angle Lens (see page 933)	3 15 0	4 5 0	4 17 6	5 15 0	7 17 6	9 10 0
Struts for use in Telephoto work or for heavy Lenses, when used at long extension	0 7 6	0 7 6	0 7 6	0 7 6	0 10 6	0 10 6

N.B.—Customers resident in this country can purchase on W. & Sons' progressive payment system spread over a period of twelve months, particulars of which can be had on application.

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.G.
and 16, Forrest Road, Edinburgh.**

Watson's Improved 'Acme' Camera. With Triple Extension.



Camera arranged for wide-angle work
with front raised.

To meet the requirements of Photographers using the new popular Convertible Anastigmat Lenses and Telephoto attachments, we have introduced into our "Acme" Camera (quoted on the preceding pages) the following new features. The quality and workmanship in the new model is precisely the same as that which has earned for the original pattern its world wide celebrity.

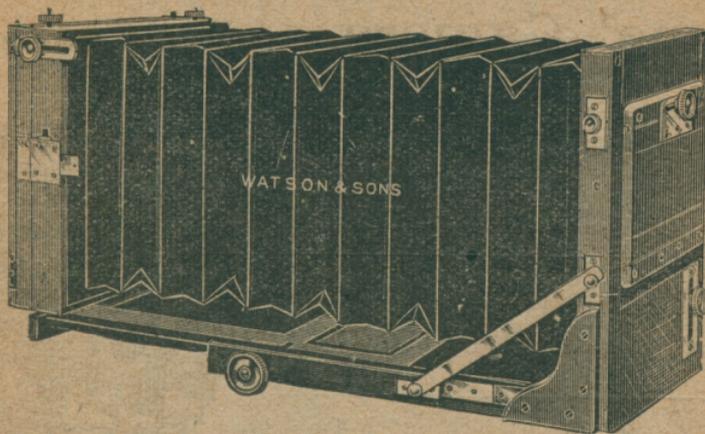
1. A triple extending base, increasing the focus available by 33 $\frac{1}{3}$ per cent.
2. A new form of rising front, by means of which the optical axis of the lens can be brought opposite any part of the plate without interference by the bellows.
3. The back and front of the camera can be brought sufficiently near together to permit of the shortest focus lenses possible for the size of plate being employed.
4. A divided circle is fitted to the inside of the base, reading by a pointer engraved on the turntable. This will be found useful for Panoramic Views.

The extra cost of these additions is as follows:—

For Cameras up to and including 10×8	£2 0 0 ..	Strut, as page 908 ..	7/6
12×10 and 15×12.....	£2 15 0	10/6

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

Watson's Premier Cameras.



For any purpose where lightness and portability are not the chief consideration (when the "Acme" is preferable), these Cameras should be chosen. They are most solidly constructed and their extra weight gives to them the highest degree of steadiness and strength.

This model, which is our original pattern, still holds its position and commands a large sale. It has been extensively imitated but no other pattern has been introduced to equal it for strength, durability and convenience.

The Cameras have double extension to focus, giving a very long range, are adjusted by rackwork or screw (the larger sizes, from 12 by 10 upwards, are always made to adjust by screw), double swinging back, giving motions in horizontal or vertical directions, rising, falling, and sliding fronts (two fronts), leather bellows body, folding baseboard, and reversing frame.

When fitted with a Repeating Back, at the extra cost shown on next page, these Cameras will do all the work required in a Studio, forming a perfect equipment both for indoor and outdoor work for professional photographers.

Included with each Camera is an extra sliding panel for a second lens; all sizes, from $\frac{1}{4}$ -plate to $8\frac{1}{2}$ by $6\frac{1}{2}$, have a movable central partition and wide front, so that they may be used for Stereoscopic Pictures if desired, or two pictures on one plate by sliding the lens across.

For Prices see following page.

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

Complete 'Premier' Outfits.

	6½×4½	7½×5	8½×6½	10×8	12×10	15×12
	£ s. d.	£ s. d.				
Camera and 3 double slides	9 12 0	10 0 0	12 5 0	14 0 0	16 12 6	21 0 0
Series I, "Holo Stigmat" Convertible Lens, working at f/6	7 5 0	8 12 6	9 10 0	14 0 0	18 0 0	24 0 0
Solid Leather Travelling Case, with spring lock	1 15 0	1 15 0	2 2 0	2 15 0	2 Cases.	
Folding Tripod Stand	1 5 0	1 5 0	1 10 0	1 10 0	4 4 0	6 15 0
Time and Instantaneous Shutter, with Speed Indicator and Anti- nous Release.....	0 12 6	0 15 0	0 15 0	0 17 6	2 2 0	2 10 0
	20 0 6	22 7 6	26 2 0	33 2 6	41 16 0	55 6 0
Extra, if Camera and Slides are brass- bound for hot countries	1 10 0	1 10 0	1 15 0	2 0 0	2 10 0	3 0 0
Extra for adding repeating back for portraiture, to take 2 pictures on one plate, as with a Universal Studio Camera	2 10 0	2 10 0	2 17 6	3 0 0	3 10 0	4 0 0
"Holos Convertible" Wide-Angle Lens (see page 933).....	4 10 0	4 5 0	4 17 6	5 15 0	7 17 6	9 10 0

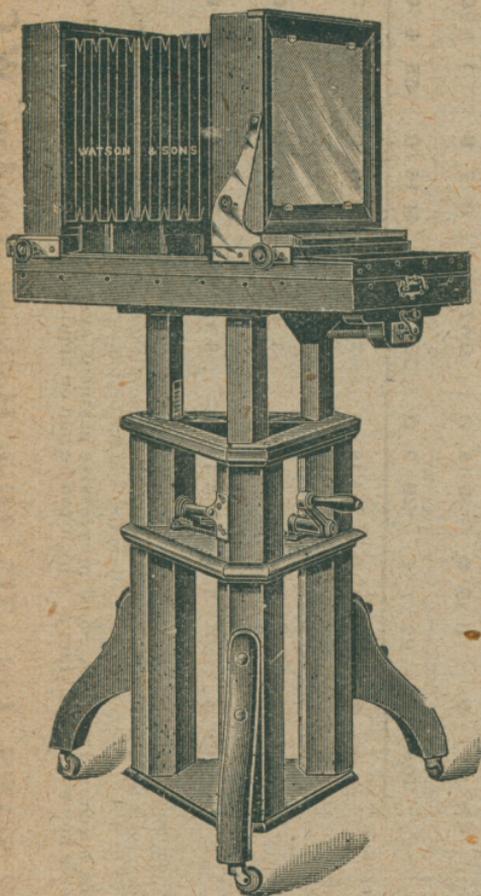
Any item in above estimates may be purchased alone, or left out from the set if desired, and cost deducted.

If the addition of Repeating Back is made at time of purchasing Camera, one of the slides (single or double) supplied, may be fitted free of cost to use both in this and the ordinary frame.

N.B.—These Cameras can be purchased on W. & Sons' progressive payment system spread over a period of twelve months, particulars of which can be had on application.

W. WATSON & SONS, Ltd., 313, High Holborn, London, W.C.,
AND 16, FORREST ROAD, EDINBURGH.

WATSON'S COMBINATION STUDIO APPARATUS.



Of perfect workman-
ship.

Made only of
seasoned mahogany.

No Veneering.

No Whitewood
blacked over.

No Warping.

BRITISH MADE
THROUGHOUT.

Fit for any Climate.

One of the best-known pro-
fessionals in England says:—

“The best investment
I ever made was one of
your Combination Studio
Apparatus and Holostigmat
Lens.”

BOURNE & SHEPHERD, BOMBAY.

“We are taking this opportunity of stating that the Camera recently delivered (15×15 Combination, fitted with Screen Gear for process) gives every satisfaction.”

CLIFTON & CO., BOMBAY.

“The 15×15 Combination Camera has come safely to hand, and we are exceedingly pleased with it.”

A. & G. TAYLOR, LONDON, CARDIFF, SWANSEA, ETC.

“We duly received the 15×15 Combination Studio Camera and Stand in sound condition. Needless to say we are more than pleased with it, while our operator is equally delighted.”

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

PERFECTION IN STUDIO APPARATUS.

We claim for this Camera and Stand that they are in every detail the most perfect, both as regards utility of movements and workmanship, that have yet been put before the professional photographer.

The base of the Camera and the top of the Stand are screwed permanently one to the other, so that ABSOLUTE RIGIDITY AND FREEDOM FROM VIBRATION are insured. The Camera can be extended both at back and front, giving very long range of focus.

The gearing for raising and lowering the top of the stand is of special design, **the teeth of all racks and spindles being machine cut and not cast.** The top of the Stand is fitted with tilting motion, working by an endless screw.

The wood throughout in CAMERA AND STAND is choice mahogany, thoroughly seasoned in our own factory (**not white wood blacked over**), and the stand is of elegant design and very rigid.

The outfit is a handsome addition to the furniture of any Studio.

SPECIFICATION.

A mahogany Camera and Stand as illustrated on preceding page.

Rising and falling motion to the front.

Horizontal and vertical swing to the Back.

Fine adjustment by Rack and Pinion.

(Special twisted Pinion with spiral racks, obviating backlash).

Best Morocco Leather Bellows.

A single Slide of choice mahogany, for the full size of plate, having flexible Roller Shutter and fitted with Carriers down to $3\frac{1}{2} \times 6\frac{1}{2}$.

A separate Glass Frame for focussing, interchangeable with the same.

A Repeating Holder, fitting alternatively in place of the above Slide, with hinged Glass Frame, and carrying a dark slide $9\frac{1}{2} \times 6\frac{1}{2}$, taking plates $8\frac{1}{2} \times 6\frac{1}{2}$, or two $\frac{1}{2}$ -plates side by side and fitted with a Carrier to take two $\frac{1}{4}$ -plates side by side.

Full focus of the Camera (size 12×10), 4ft.

Full height of Stand, 3ft. 7in.

Height of Stand, racked down, 2ft. 6in.

PRICE LIST.

Camera and Stand as per Specification above.	Extra Slide for full size with Roller Blind Shutter.	Brass Binding Camera and 3 Slides.
12 X 12	£28 10 0	£3 15 0
15 X 15	31 10 0	4 5 0
		£3 10 0
		3 10 0

N.B.—Customers resident in this country can purchase on Watson & Sons' Progressive Payment System—spread over a period of 12 months, particulars of which will be sent on application.

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C. and 16, Forrest Road, Edinburgh.

Watson's Focal-Plane Reflex Camera.

THE "ARGUS."



"We have no word of praise too high for this really beautiful and efficient instrument." *The Amateur Photographer.*

We submit the following description of our Argus Reflex Camera, confident that our customers will find it to be a combination of efficiency and good workmanship in the highest degree, and fully maintaining our reputation as manufacturers of first-class photographic instruments.

Having an experience of thirty years in the manufacture of photographic Cameras, and being the oldest existent makers of these goods, we have thoroughly assimilated the features necessary to the equipment of an up-to-date Reflex Camera, and

we claim that the "Argus" fulfils this description, being at the same time free from unnecessary details and elaboration, which, in a general way, merely add to the expense, weight, and difficulties of manipulation.

The "Argus" fully meets the needs of all classes of photographers, but especially of those whose aim is **precise and artistic pictures**, and who want to be as sure of their results as if they were using an ordinary Stand Camera, with the added advantages of being able to watch and focus the **erect** image up to the instant of exposure and to make the exposure at the most opportune moment.

Although more bulky than a Folding Camera, we have reduced the size of the "Argus" to the minimum possible without sacrifice of stability, or good workmanship.

The "Argus" is an ideal Camera and its portability and simplicity commend it strongly to

Press Correspondents (it is in constant use by the principal Newspaper Artists of the London Press).

Artists for Genre Studies, Streets Scenes, etc.

Professional Photographers for Local Events.

Amateur Photographers for Exhibition Pictures.

Naturalists, Sportsmen, Yachtsmen, etc.

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

The "Argus" can be brought into use instantly. It has all the advantages and none of the disadvantages of a Twin lens, as the reflex principle and the simultaneous discharge of the Shutter when the mirror is raised, ensure that the **exact** image which will appear on the plate, is shown on the finder. One Lens thus suffices instead of two, without the defect common to the Twin Lens system of **near** objects appearing in a different position in the Finder from that they are found to occupy in the negative.

The Camera is constructed throughout in our own factory under our direct personal supervision, and the greatest care is taken in the selection of all materials used. Every outfit is tested by an experienced Photographer before being sent out, and customers abroad may therefore order with absolute confidence, and the certainty of receiving goods in perfect condition. We guarantee the efficiency and quality of this apparatus, and its ability to stand the hardest fair usage without giving way in any part.

Specification of the "ARGUS" Camera.

The Body of the Camera is made of the best selected Spanish mahogany, carefully seasoned by us for months, and guaranteed to withstand **any** climatic influence which it is possible for wood to do, each board carefully tongued and clamped where necessary.

It is provided with a bellows extension giving a sufficient range of focus to allow of the use of the single component of the Holostigmat, or other Lens of corresponding length, and the adjustment is made by means of rack and pinion, an extra broad milled head being fitted to the pinion, ensuring rapid and easy working.

The discharging lever is on the opposite side to the focussing knob, so that the Camera can be focussed and discharged simultaneously, **and it can be held more steadily than when the two actions are on the same side.** It is covered in best black morocco leather, the front and the metal parts being finished black to render the Camera as unobtrusive as possible.

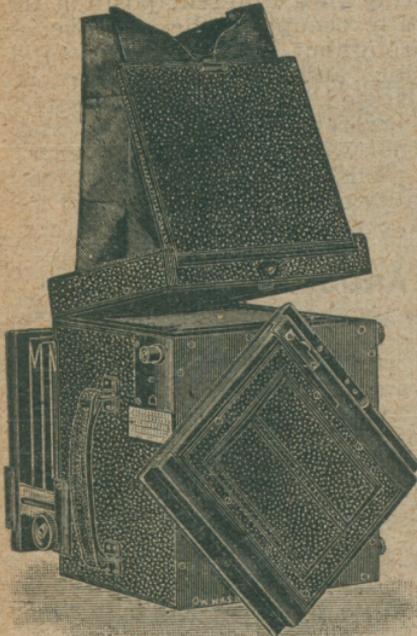
The Mirror, which is silvered on the surface and brightly polished, reflects the maximum of light. It gives a non-distorted image on the finder in true focal register with the plate. The silvered surface is protected from damp by a transparent coating. The normal position of the Mirror being "down" the image on the finder can be seen right up to and **immediately after** the exposure, being only obscured during the exposure. **The Mirror does not require setting after each exposure.**

The Finder shows the full sized image in both directions in the square, and in the horizontal direction in the oblong pattern.

The Hood is of a new folding pattern, and is shaped to fit closely round the eyes. It thoroughly cuts off all outside light from the finder, and rises to an ample height for comfortable focussing. It forms such a total shade that the image can be clearly seen on the finder and focussed in the very brightest light.

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and 16, Forrest Road, Edinburgh.

No part of the view is cut off, and the hood is of such a shape as to allow of **an unimpeded view of the whole of the finder at one time.** The upper part of the Camera body containing the hood and finder cover is hinged, thus giving the user immediate access to the focussing screen for removing dust or replacing the screen in the event of breakage.



The Shutter is built into the back of the Camera, and works **practically noiseless.** It is a new model Focal Plane of the very highest efficiency, having a most comprehensive range of speeds. It will give time exposures of any duration, or instantaneous up to $\frac{1}{1200}$ th of a second, and these can be altered both by varying the tension of the driving spring and the width of the slit. All the mechanism controlling the speed of the shutter both of spring and slit is on the outside of the camera, and it is only necessary to turn a milled head when a different exposure is desired, **instead of having to remove the dark slide in order to get at the slit.**

The Blind of the "Argus" Shutter is made of carefully selected rubbered cloth of great flexibility and free from pin-holes.

For use on a stand, a ground-glass screen fitted with focussing shade is provided, or if preferred, the Reflex finder can be used—either way the focussing cloth can be dispensed with.

The Reversing Back is made to revolve, and can be relied upon for its accuracy of fitting, ensuring freedom from fogged plates.

The "Argus" Camera is also supplied in the horizontal shape for taking pictures mainly in the one position, but available for vertical pictures when held in that position.

The respective sizes, etc., of the two patterns are as follows:

HORIZONTAL.					SQUARE.			
Dimensions.	Weight.	Min.* Exten.	Max. Exten.	Dimensions.	Weight.	Min. Exten.	Max. Exten.	
$\frac{1}{4}$ -plate $5\frac{1}{2} \times 6\frac{1}{2} \times 5\frac{3}{4}$	2 lbs.	$5\frac{1}{2}$ in.	$9\frac{1}{4}$ in.	$7\frac{1}{2} \times 6 \times 6\frac{1}{2}$	4 lbs.	$6\frac{1}{2}$ in.	$10\frac{1}{2}$ in.	
5×4	$3\frac{3}{4}$ "	$6\frac{1}{4}$ "	11 "	$8\frac{1}{2} \times 7 \times 6\frac{1}{2}$	$4\frac{1}{2}$ "	7 "	$11\frac{1}{2}$ "	
$\frac{1}{4}$ -plate $8\frac{1}{2} \times 8\frac{1}{2} \times 7\frac{3}{8}$	$5\frac{1}{2}$ "	7\frac{1}{4} "	$13\frac{3}{4}$ "	$10\frac{1}{2} \times 8\frac{1}{2} \times 8\frac{3}{8}$	$6\frac{1}{2}$ "	$8\frac{3}{4}$ "	15 "	

(N.B.*By minimum extension is meant the shortest possible distance between the front of the Camera and the ground glass.)

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The Lens listed with the Camera is our Series I. Holostigmat covering perfectly at $f/6.1$ (or $f/6.5$ according to No.), which comparative tests, made with all the leading anastigmats, justify us in stating is fully equal in performance to any lens now made. It is convertible and the single components cover the plate perfectly at their full aperture, $f/11$, while they have that remarkable brilliancy of image for which true landscape lenses are noted.

To the square "Argus" we fit $6\frac{1}{2}$ in., 7 in. and $8\frac{3}{4}$ in. Holostigmats for $\frac{1}{4}$, 5×4 and $\frac{1}{2}$ -plate respectively, and to the horizontal pattern, 6 in., $6\frac{1}{2}$ in. and 7 in. Other Lenses can be supplied or fitted, and they should not only correspond as to focus with the Holostigmat, but be also mounted in sunk fitting.

(N.B.—The Series IA Holostigmat $f/4.6$, can also be fitted, the square Camera requiring $6\frac{1}{2}$ in., $7\frac{1}{4}$ in. and $8\frac{3}{4}$ in. for the $\frac{1}{4}$ -plate, 5×4 and $\frac{1}{2}$ -plate respectively and the extra cost being £4 10s., £6 5s. and £8 10s., beyond that of the Series I).

Price List of "ARGUS" CAMERA.

With Square Finder and Revolving Back.

Stereoscopic.

	$3\frac{1}{2} \times 2\frac{1}{2}$		$\frac{1}{4}$ -plate		5×4		$5\frac{1}{2} \times 3\frac{1}{2}$		$\frac{1}{2}$ -plate		$6\frac{1}{2} \times 3\frac{1}{2}$	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
"Argus" Camera, complete with Series I. Holostigmat Lens and 3 best Book-form Slides ..	18	10 0	19	15 0	22	15 0	23	12 6	28	0 0	—	—
Do., do., but with 3 Solid Slides ..	17	15 0	18	15 0	21	10 0	22	7 6	26	12 6	—	—
"Argus" Camera & Holostigmat Lens and Vril Changing Box (no Slides) ..	18	10 0	19	18 0	22	18 0	24	0 6	28	15 0	—	—
"Argus" Camera & 3 best Slides (no Lens) ..	12	10 0	12	10 0	15	0 0	15	0 0	18	10 0	—	—
Do., do., and 3 Solid Slides (no Lens) ..	11	10 0	11	10 0	13	15 0	13	15 0	17	2 6	—	—

Horizontal Pattern.

"Argus" Camera complete with Series I. Holostigmat Lens & 3 best Book-form Slides ..	—	16 10 0	18 6 0	19 14 0	22 15 0	31 10 0
Do., do., but with 3 Solid Slides ..	—	15 15 0	17 5 0	18 13 0	21 7 6	30 2 6
"Argus" Camera & Holostigmat Lens and Vril Changing Box (no Slides) ..	—	16 13 0	18 9 0	19 18 0	23 10 0	31 10 0
"Argus" Camera & 3 best Slides (no Lens) ..	—	9 15 0	11 1 0	12 0 0	15 0 0	18 0 0
Do., do., and 3 Solid Slides (no Lens) ..	—	9 0 0	10 0 0	11 0 0	13 12 6	16 12

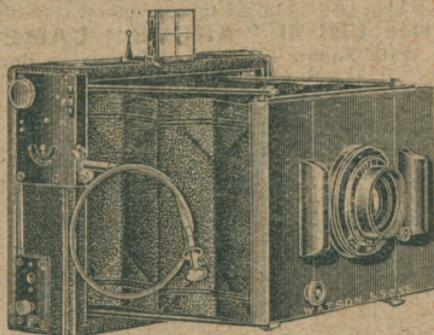
Extras.

Leather Travelling Case for Camera and 3 Slides, or Changing Box ..	1 13 0	1 13 0	1 17 0	1 17 0	2 5 0	2 5 0
"Vril" Changing Box for 12 Plates ..	2 5 0	2 8 0	2 14 0	2 19 0	3 15 0	3 0 0
Twenty-four Film Sheaths for same ..	0 10 0	0 10 0	0 10 0	0 12 0	0 12 0	0 12 0
Houghton Envelope Adapter Model B. (for Plates and Films) ..	—	0 15 0	0 18 6	0 18 6	1 5 0	—
(Cost of Fitting extra)	—	—	—	—	—	—
Three-fold Tripod ..	1 5 0	1 5 0	1 5 0	1 5 0	1 5 0	1 5 0
Telephoto Attachment ..	2 10 0	2 10 0	3 0 0	3 0 0	3 0 0	—
Extra Dark Slides, best Book-form, each ..	0 16 6	0 16 6	0 18 6	0 18 6	1 1 6	1 1 6
Do., Solid Form, each ..	—	0 10 0	0 10 0	0 10 0	0 12 6	0 12 6
Light Leather Case for Camera and 3 Slides or Changing Box. ..	1 0 0	1 0 0	1 2 0	1 2 0	1 7 6	1 7 6

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WATSON'S

“Vril” Focal Plane Camera.



This is a delightful companion, as it is so very compact and light that it can be carried anywhere without inconvenience, and as the Shutter gives the inestimable advantage of Time Exposures, as well as the marvellous speed of $1/1200$ of a second for quickly moving objects, the Camera is equipped for practically every kind of subject.

As will be seen from the sketch, a falling baseboard is dispensed with, and the front is supported on extending spring arms, which hold it very rigidly. The front can be brought into position almost instantly, and the Camera can be very quickly closed. It is therefore peculiarly valuable for catching unexpected pictures of street scenes, etc., and it can be used on occasions when a more complicated Camera would not be carried.

When not in use the Camera folds quite flat, and measures in $\frac{1}{2}$ -plate size only $8 \times 7 \times 3$, and weighs, complete with Lens, $3\frac{1}{2}$ lbs. The front of the Camera has rising motion in both horizontal and vertical directions.

The back portion of the Camera consists of a Focal Plane Shutter of a new design. It gives time exposures (for use on a stand) and a long range of instantaneous speed, from $1/15$ th to $1/1200$ th of a second, fitting it not only for landscape work, street scenes, etc., but for the very highest and most exacting kinds of high-speed photography, such as horse racing, athletic meetings, yachting, etc., etc.

One of the most valuable features of this Focal-Plane Shutter is that all the adjustments for varying the speeds are on the outside of the Camera, so that any alteration can be made to the width of Shutter Slit, or to the tension spring, without removing the dark slide or changing box from its position. When it is considered how suddenly the light often changes while the Camera is charged ready for exposure, rendering it necessary to alter the exposure, the great utility of this improvement will be manifest.

An ivory tablet attached to each Camera gives a list of the most useful speeds, and shows how to obtain them.

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and 16, Forrest Road, Edinburgh.**

The view finder has a levelling pointer and when the eye is brought up close to this, the same view (approximately) is seen in the finder as will appear on the plate.

The Lens supplied with it is one of our "Holostigmat" Series I., in focussing mount,

The Camera is covered with black leather, the uncovered parts, namely, the front and focussing frame, being of ebonized mahogany. It presents a handsome and unobtrusive appearance and is certain to prove satisfactory in use.

Price List.

	$\frac{1}{4}$ -plate £ s. d.	5×4 £ s. d.	$\frac{1}{4}$ -plate £ s. d.	Stereo- scopic £ s. d.
Camera, as described, including 3 double slides, finder and Holostigmat Lens in focussing mount with Iris diaphragm.....	11 0 0	12 0 0	15 0 0	20 0 0
Leather case to carry Camera and 3 slides or changing box.....	0 13 6	0 15 0	0 17 6	0 17 6
"Vril" changing box to hold 12 plates.....	2 8 0	2 14 0	3 15 0	3 0 0
24 Film Sheaths.....	0 10 0	0 10 0	0 12 0	0 12 0
Ebonized Wood Tripod, very firm, folding and adjustable.....	0 18 6	0 18 6	0 18 6	0 18 6
Extension to back of Camera, permitting the use of the back component of the Holostigmat as a lens of long focus.....	2 0 0	2 5 0	2 15 0	2 15 0
"Antinous" Shutter Release.....	0 4 0	0 4 0	0 4 0	0 4 0
Camera as described, with 3 double slides and finder only.....	5 15 0	6 0 0	7 10 0	7 10 0
Extra Double Slides.....	0 10 0	0 10 0	0 12 6	0 12 6
Film Pack Adapter.....	0 9 0	0 10 0	—	—

N.B.—A time arrangement for giving automatically timed exposures of $\frac{1}{8}$ th to 1 second can be fitted in the 5×4 and $\frac{1}{4}$ -plate sizes at an extra cost of 30/-.

Telephoto Attachment.

The utility of the "Vril" Camera is greatly increased by the addition of our new Telephoto Negative Lens.

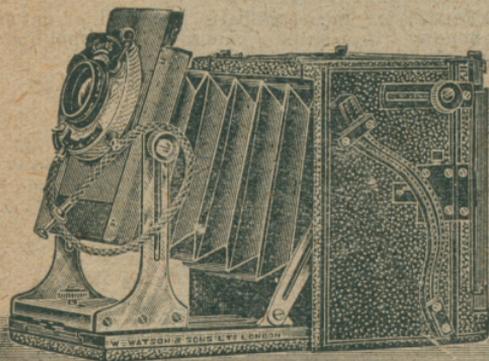
This Lens enables the user to obtain an image **just double the size** of that given with the normal lens, and has been so arranged that the ordinary lens can be attached to the telephoto mount, the focussing adjustment and scale of distances being used as before.

Prices— $\frac{1}{4}$ -plate and 5×4 sizes, £2 5 0; $\frac{1}{4}$ -plate, £2 10 0

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.

Watson's "ALPHA" Camera.

DE LUXE 1909 MODEL.



Camera showing Swing Movement of Front.

purposes it will be found to be scientifically perfect, without the introduction of complicated movements.

The **Alpha De Luxe** will be found to Combine utility with simplicity of design.

Specification.

A well seasoned mahogany Camera covered with leather, and with external metal fittings finished black, making an unobtrusive whole.

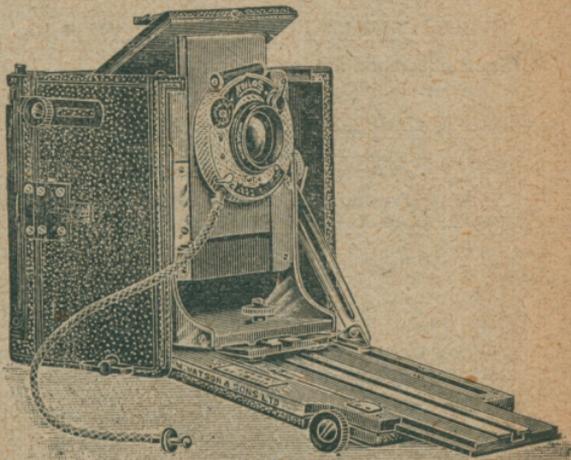
Extension is obtained by drawing the front forward and by racking out the base, and is of sufficient length to allow of using the single components of Convertible Lenses.

Swing Movement is provided both to the **Back** and **Front** of the Camera.

Rising Front. A very great amount of rise is obtained, as not only does the Lens panel rise, but also the main Front itself.

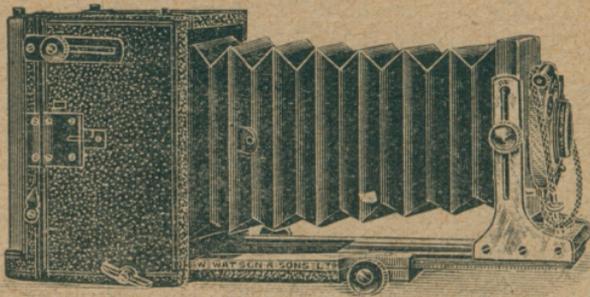
Reversing Back is provided, so that pictures can be taken in either horizontal or vertical positions without movement of the Camera.

Wide-Angle Work can be done with the Camera, and a separate rack and pinion motion is provided, so that Lenses of very short focus working inside the Camera body can be accurately adjusted, and the base of the Camera being dropped out of the horizontal plane, there is no interference with the angle of view.



Camera arranged for Wide-Angle Work.

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.



Camera showing full extension of Bellows.

The **Finder** is of a type giving a brilliant image, clearly visible in the strongest light, and embracing an angle of view approximately the same as the Lens. It has a reversible mask, showing the picture in either horizontal or vertical positions.

Level of Circular form is fitted to the Camera.

Focussing is effected by rack and pinion motion, and the teeth being cut diagonally, give a perfectly smooth movement, free from play.

Scales of Distances for automatically focussing either the combined Lens or its single component, and **Infinity Stops** are provided when the Camera is ordered complete with Holostigmat or other Lens.

For Use in the Tropics we can specially recommend this Camera, both on account of the strength of its construction, and the thoroughly seasoned condition of the materials used.

Price List.

	1/4-plate.	5x4 and Post Card.	1/2-plate.
Camera as described with three Double Slides and Finder	£8 8 0	£9 10 0	£10 17 6
Extra Rack and Pinion Focussing Adjustment for use with Wide-Angle Lens	0 15 0	0 15 0	0 15 0
Holostigmat Lens f/6, fitted to Compound or Koilos Shutter with Antinous Release.	7 5 0	8 7 6	9 13 0
Vril Changing Box to hold 12 plates ..	2 8 0	2 14 0	3 15 0
Solid Leather Case with Lock and Key..	1 10 0	1 10 0	1 16 0
Extra cost of brass binding the three Double Slides when Camera is required for use abroad	0 10 6	0 10 6	0 10 6

Post Card size Changing Box costs 5/- extra.

For High-Speed Work, such as Sports, Street Scenes, etc., we recommend the addition of a Focal Plane Shutter. This is adapted to fit into the back of the Camera, in place of the ordinary Reversing Back, and is detachable.

It has a range of Speeds up to 1/1500th of a second.

1/4-plate.	5x4	1/2-plate.
£2 10 0	£2 17 6	£3 12 6
	Fitting extra.	

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C. and 16, Forrest Road, Edinburgh.

OLYMPIC SPORTS, JULY, 1908.—POLE JUMP.



Negative by London News Agency.

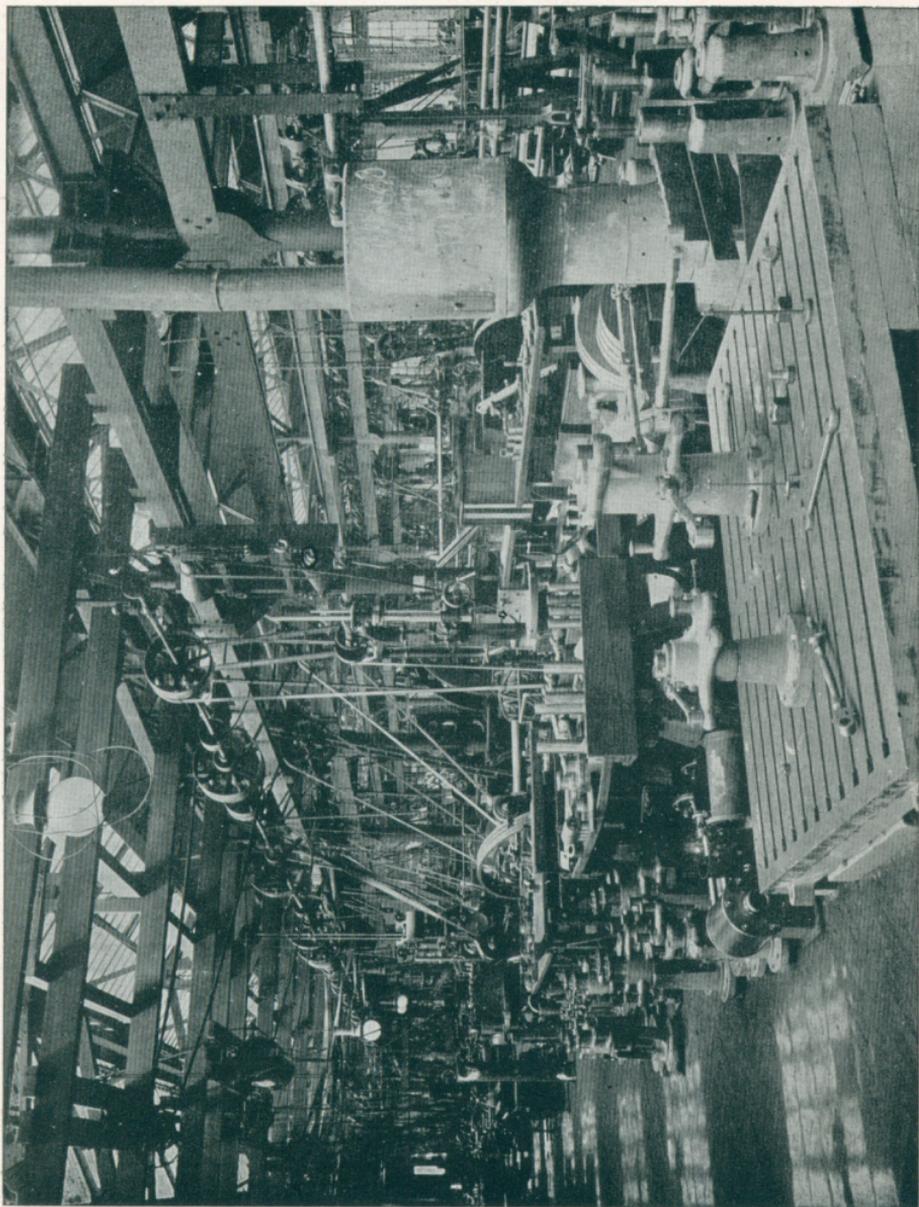
Taken with Watson's Series Ia Holoastigmat Lens, $8\frac{1}{2}$ in. focus, aperture $f/8$, exposure $1/800$ th of a Second on $\frac{1}{2}$ -plate "Argus" Focal Plane Reflex Camera.

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C. ;



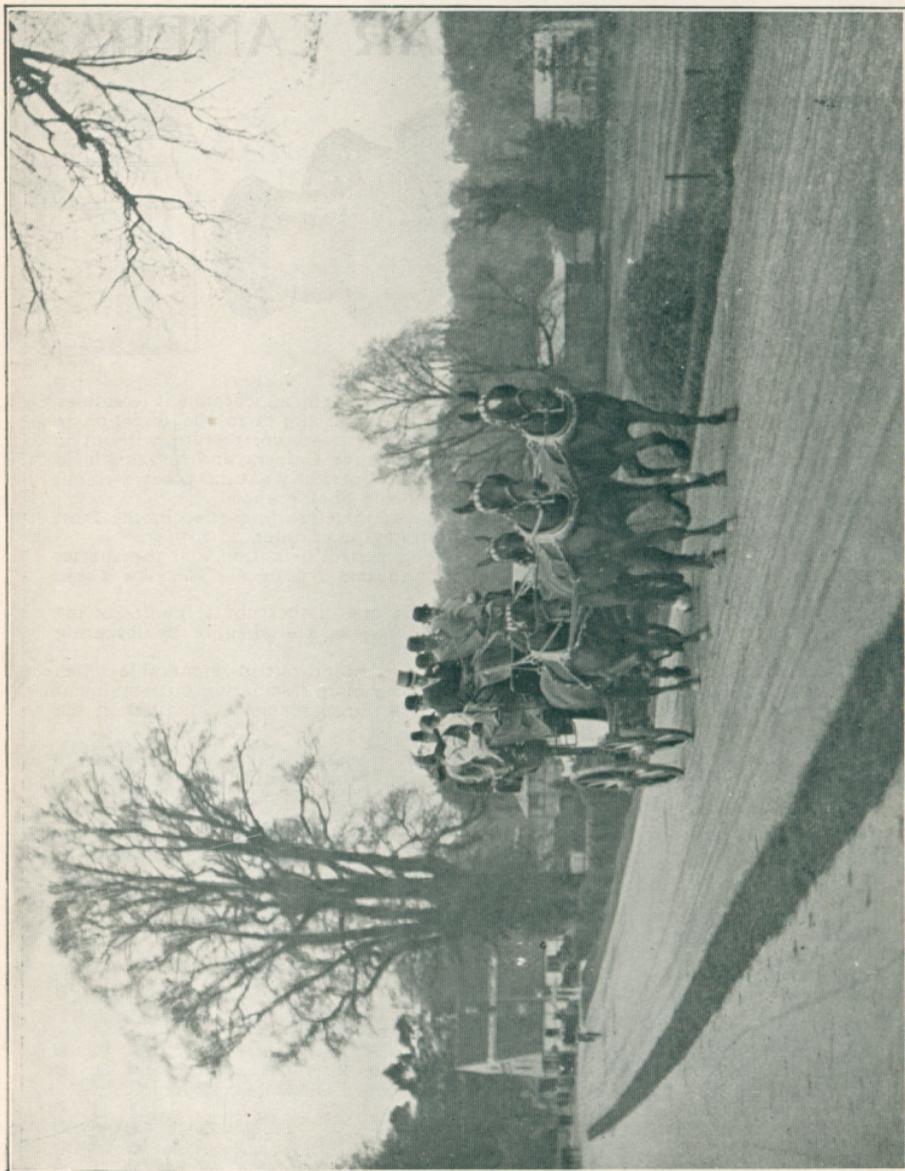
Reduced from a 12 x 10 Negative, taken with a 7-in. Holo. Wide-Angle Lens, at $f/16$.

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C. ;
16, Forrest Road, Edinburgh ; and 2, Easy Row, Birmingham.**



Reduced from a Negative taken with 7-in. Lens on Whole Plate, $f/16$.

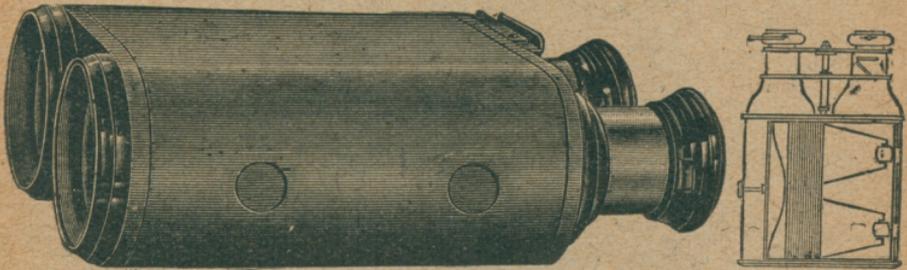
**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C. ;
16, Forrest Road, Edinburgh ; and 2, Easy Row, Birmingham.**



"THE VANDERBILT COACH."

Enlarged from a 4-plate Negative taken with the Argus Reflex Camera and $f/4.6$ Holostigmat Lens. Exposure $1/500$ th. Reproduced by permission of Mr. J. R. Evans, Redhill.

THE STEREOSCOPIC BINOCULAR CAMERA.



This is held to the eyes like a Binocular Glass, which in appearance it resembles, but its unique feature is that the picture is taken at right angles to the direction in which the camera is ostensibly pointed, and in this way it secures pictures without in any way indicating its purpose. It is an ideal Detective Camera and invaluable to travellers, as it enables them to catch native subjects in perfectly natural poses, without arousing any suspicions in their minds that they are being photographed.

The Camera is made entirely of metal, and can therefore be carried in the most trying climates with every confidence that it will not get out of order.

It is fitted with a pair of R.R. Lenses giving perfect definition, and the shutter works from 1/25th to 1/80th of a second, in addition to time exposures. The view is seen in a finder fitted to one of the eyepieces.

The Changing Box which, in position, occupies one of the tubular bodies of the camera, carries 12 plates $4\frac{1}{2} \times 2$, on which Stereoscopic views are taken, or by obscuring one of the lenses 24 single pictures may be secured.

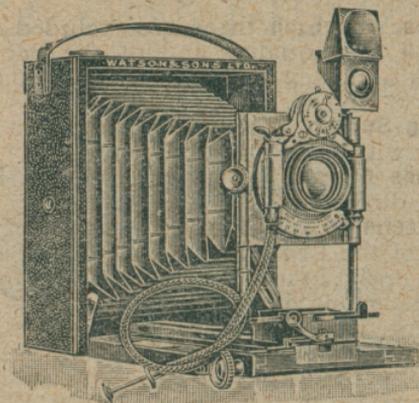
The stereo pictures when viewed in a Stereoscope stand out in remarkable relief, presenting the view with astonishing reality—in fact no more fascinating entertainment could be offered than the viewing of a series of these transparencies or pictures in the pedestal or hand Stereoscopes listed below.

PRICE LIST:

Stereoscopic "Binocular" Camera, fitted with pair of first quality Rapid Rectilinear Lenses, and with sling case complete.....	£11	11	0
Extra cost if fitted with Zeiss Lenses	8	0	0
Extra Magazine, with 12 carriers and aluminium curtain—this can be inserted in daylight	3	15	0
Lumière Plates, coated on extra thin glass, per dozen	0	2	0
Transparency Plates, for Positives, per dozen	0	1	3
Printing Frame for making Stereoscopic Transparencies without having to divide and remount them	0	6	6
Hand Stereoscope, best quality, for viewing Positives, with focussing draw tubes (1201)	0	16	6
Ditto, ditto, with adjustment to width of eyepieces (1215)	1	7	6
Rosewood Pedestal Stereoscope with revolving chain to take 50 views (paper or glass) with rackwork focussing and adjustment to width of eyes, very handsome (No. 1445)	4	10	0
Enlarging Apparatus to enlarge to full stereoscopic size ($6\frac{1}{2} \times 3\frac{1}{2}$)	4	0	0
Set of 3 enamelled iron Washing Tanks (nesting) labelled Developer, Alum, Hypo, each with rack to hold 12 plates	1	1	0
Negative Boxes for 24 stereo, negatives	0	4	0
Film Sheaths, per set (24)	0	14	0
Extra Plate Sheaths, per dozen	0	7	0

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

The 'Empire' Hand Camera.



The "Empire" Hand Camera has been specially designed by a well-known photographer, who has considerable experience of the conditions under which photography is carried on in the Tropics. The aim throughout has been to produce an instrument capable of permanently withstanding extreme climatic variations, and at the same time calculated to afford to the pictorial and scientific photographer every facility which can reasonably be expected of a Camera specially built for hard wear and tear under the severest of all conditions. Every point has been carefully studied—and, where necessary, modified—from the design of a specimen Camera, which has been manipulated by an expert in a recent tour of several thousand miles in both tropical and temperate climates.

DESCRIPTION OF THE 'EMPIRE' HAND CAMERA. ($\frac{1}{2}$ -plate size).

The Lens ordinarily supplied and recommended for use with the "Empire" Hand Camera is Watson's Convertible Holostigmat No. 5, having a combined focus of $5\frac{1}{2}$ inches and an aperture of $f/6.5$; the front and back components being of $10\frac{1}{2}$ and $8\frac{1}{2}$ inch foci respectively, and working at an aperture of $f/11.5$.

The Shutter is the Bausch & Lomb Unicum, giving exposures of $1/100$ th, $1/50$ th, $1/25$ th, $1/5$ th, $\frac{1}{2}$ and 1 second and also time exposures. It is fitted with a trigger release and with Watson's Antinous Shutter Release, which has already proved so popular for use under all conditions.

The Woodwork is of the very best mahogany throughout, of the same quality which has so successfully stood the test of time in our Acme Cameras for such a number of years. The whole of the woodwork is clamped and cross-tongued, and all joints are

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

Description of the ' Empire ' Hand Camera—*Continued*,
screwed together, which renders the Camera proof against the most severe strains.

The Dark Slides, of which three are included in the price of each Camera, are of best quality and of the book-form double type, which for hard and long wear cannot be equalled by any of the newer patterns.

An Isochromatic Screen, fitted to screw on to the front lens cell, is supplied free with each Camera.

Rising and Cross Fronts are fitted, giving a large range of movement in either direction.

The Camera Extension is sufficient to admit of the use of the $10\frac{1}{4}$ inch component of the Lens, and a focussing scale is provided for use with that Single Lens, as well as one for the $5\frac{1}{2}$ inch combined Lens. The front draws out with great sweetness and precision of movement, and automatically locks itself into "infinity focus" for the combined Lens, unless specially adjusted for any other distance.

The Bellows is of the best Morocco leather.

The Finder is of the brilliant type, and is accurately adjusted for both vertical and horizontal pictures.

Two Spirit Levels, sunk flush with the leather work of the Camera, and screw sockets for attaching the Camera to a stand, are also provided.

Size.—The outside dimensions of the Camera when closed are $6\frac{1}{8} \times 4\frac{7}{8} \times 2\frac{3}{4}$ inches, and the weight is 2 lbs. 3 ozs.

The Case is of leather, and holds the Camera, Focussing Screen, and three Double Dark Slides.

The Focussing Screen is covered by a neat shade, which facilitates focussing when in use, and folds flat, protecting the ground-glass screen when travelling.

Fittings.—The Camera is neatly covered with Morocco leather, which is undoubtedly the best wearing material that can be used, and all metal work is of brass. Wherever possible in the making of this Camera screwing has been resorted to in addition to the usual glueing of all jointed parts.

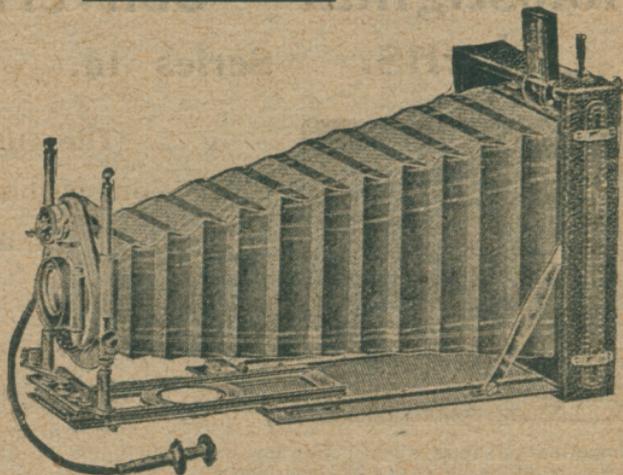
PRICE LIST.

"Empire" Camera with Holostigmat Lens, three Double Dark Slides, Isochromatic Screen, and Leather Case, Nett Cash	£12 12 0
"Empire" Camera, with Rapid Rectilinear Lens and Film Pack Adapter, only	7 5 0
EXTRAS.	
Specially made leather-covered Film Pack Adapter, made to interchange with the Slides	0 10 0
Aluminium Tripod, height extended, 48 inches; closed, 14 inches; weight, 14 ozs., with revolving top	1 7 6
Extra Double Dark Slides, each	0 15 0

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.

New Folding Pocket Camera.

"The DAINTY" (for $\frac{1}{4}$ -plate).



Measurement, $6 \times 4\frac{1}{2} \times 1\frac{1}{2}$ (goes easily into the pocket).

Weight, complete with Lens and Shutter, 1 lb. 11 oz.

We can strongly recommend this apparatus to customers who desire to have a Camera of the greatest possible compactness combined with efficiency. It is beautifully made throughout. The body is of mahogany, leather-covered, front and base being of aluminium.

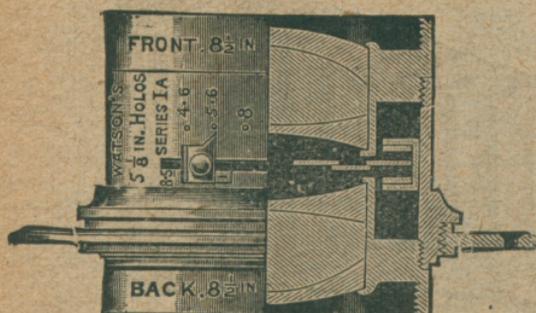
Rising and sliding motions are fitted to the front, and double extension by rackwork provides a sufficient range of focus for the use of single component of Anastigmat Lenses. An exceedingly thin Sector Shutter fitted with a Holostigmat Lens, aperture $f/6.1$, is supplied with this Camera, also Finder for use in either horizontal or vertical positions. The Focussing Screen is provided with a leather collapsible covering which serves as an efficient shade when focussing objects on the ground glass, but divided scales are also provided, which enable the user to dispense with focussing in the ordinary way when desired. The finder springs into position when the Camera is opened and closes automatically as it is shut up.

PRICE LIST.

Camera complete with Aplanat Lens and Shutter, as above described, including six metal slides (or three slides and film adapter)	£5 5 0
Extra for Holostigmat, Series I. Lens, instead of Aplanat Lens	5 15 0

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

PRICE LIST of the
“Holostigmat” Convertible
Lens. Series Ia.



The Quickest
 Convertible Doublet
 made,
 and the best for
 Autochrome
 Photography.

The important advantages which this new Lens confers over all others should be carefully considered in the choice of a new instrument

is the only Lens among the **extremely rapid Anastigmats which is a true doublet**. The advantage of this is that it yields an image of the greatest brilliancy free from that hazy appearance caused by doubly reflected light, so characteristic of negatives taken by Lenses made up of separated components.

Moreover, among all the modern Lenses of extreme rapidity **this is the only one which is truly convertible**. The single components are so well corrected as to be suitable for use at their **full aperture $f/8.5$ a performance which has never before been achieved**.

The aperture **remains constant**; the holo-symmetrical (2 foci) working at $f/4.6$ and the hemi-symmetrical (3 foci) at $f/4.8$, **right through the series**, permitting of the use of Colour Screens even with very quick exposures, and rendering it the best Lens obtainable for **Autochrome Colour Photography**.

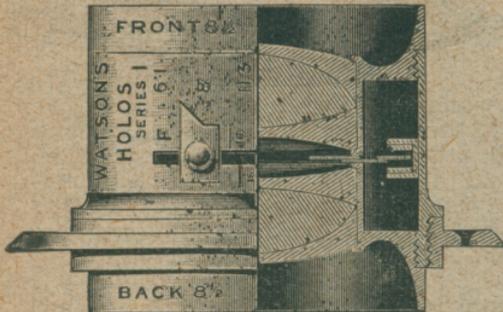
No.	Focus of Front.	Focus of Back.	Combined Focus.	Recommended for	Price.	Extra cost for Focussing Mount.
2	$7\frac{1}{2}$	$7\frac{1}{2}$	$4\frac{3}{4}$	} $\frac{1}{2}$ -plate ..	£6 15 0	£1 0 0
3	$8\frac{1}{2}$	$7\frac{1}{2}$	$4\frac{1}{2}$		7 5 0	1 0 0
4	$8\frac{1}{2}$	$8\frac{1}{2}$	$5\frac{1}{2}$		7 15 0	1 0 0
5	10	$8\frac{1}{2}$	$5\frac{3}{4}$	} 5×4 ..	8 12 6	1 0 0
6	10	10	$6\frac{1}{2}$		9 10 0	1 0 0
7	12	10	$6\frac{3}{4}$		11 15 0	—
8	12	12	$7\frac{1}{2}$	} $\frac{1}{2}$ -plate ..	14 0 0	—
9	$14\frac{1}{2}$	12	8		16 0 0	—
10	$14\frac{1}{2}$	$14\frac{1}{2}$	$8\frac{1}{2}$		18 0 0	—
11	17	$14\frac{1}{2}$	$9\frac{1}{2}$	} $1/1$ -plate	21 0 0	—
12	17	17	$10\frac{1}{2}$		24 0 0	—

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
 and 16, Forrest Road, Edinburgh.

Watson's 'Holostigmat'

Convertible Lens.

Series I., f/6.1.



Perfect Correction.

Made of Cemented components, thus giving the maximum shadow detail.

Really Convertible.

The single components cover **perfectly** at f/11.5.

No.	Single Lenses. Aperture f/11.5.		Com- bined Focus.	Working Aperture.	Size of Plate.	Prices with Iris Diaphragms.			Extra Cost for Focussing Mount.			
	Focus of Front.	Focus of Back.				Ins.	£	s.	d.	£	s.	d.
1	7 $\frac{1}{4}$	6	4	f/6.5	4 × 3	4	10	0	0	15	0	0
2	7 $\frac{1}{4}$	7 $\frac{1}{4}$	4 $\frac{1}{2}$	f/6.1	4 $\frac{1}{2}$ × 3 $\frac{1}{2}$	5	0	0	0	15	0	0
3	8 $\frac{1}{2}$	7 $\frac{1}{4}$	4 $\frac{1}{2}$	f/6.5	4 $\frac{1}{2}$ × 4 $\frac{1}{2}$	5	10	0	0	15	0	0
4	8 $\frac{1}{2}$	8 $\frac{1}{2}$	5	f/6.1	5 × 4	6	0	0	0	15	0	0
5	10 $\frac{1}{4}$	8 $\frac{1}{2}$	5 $\frac{1}{2}$	f/6.5	5 $\frac{1}{2}$ × 4 $\frac{1}{2}$	6	7	6	0	15	0	0
6	10 $\frac{1}{4}$	10 $\frac{1}{4}$	6	f/6.1	6 × 5	6	15	0	0	1	0	0
7	12 $\frac{1}{4}$	10 $\frac{1}{4}$	6 $\frac{1}{2}$	f/6.5	6 $\frac{1}{2}$ × 4 $\frac{3}{4}$	7	5	0	0	1	0	0
8	12 $\frac{1}{4}$	12 $\frac{1}{4}$	7	f/6.1	7 × 5	7	15	0	0	1	0	0
9	14 $\frac{1}{2}$	12 $\frac{1}{4}$	7 $\frac{3}{4}$	f/6.5	8 × 6	8	12	6	0	1	0	0
10	14 $\frac{1}{2}$	14 $\frac{1}{2}$	8 $\frac{1}{2}$	f/6.1	8 $\frac{1}{2}$ × 6 $\frac{1}{2}$	9	10	0	0	—	—	—
11	17 $\frac{1}{4}$	14 $\frac{1}{2}$	9 $\frac{1}{4}$	f/6.5	9 × 7	11	15	0	0	—	—	—
12	17 $\frac{1}{4}$	17 $\frac{1}{4}$	10	f/6.1	10 × 8	14	0	0	0	—	—	—
13	20 $\frac{1}{2}$	17 $\frac{1}{4}$	11	f/6.5	11 × 9	16	0	0	0	—	—	—
14	20 $\frac{1}{2}$	20 $\frac{1}{2}$	12	f/6.1	12 × 10	18	0	0	0	—	—	—
15	24 $\frac{1}{2}$	20 $\frac{1}{2}$	13	f/6.5	13 × 11	21	0	0	0	—	—	—
16	24 $\frac{1}{2}$	24 $\frac{1}{2}$	14	f/6.1	15 × 12	24	0	0	0	—	—	—
17	29	24 $\frac{1}{2}$	15 $\frac{1}{4}$	f/6.5	16 × 13	28	0	0	0	—	—	—
18	29	29	17	f/6.1	17 × 14	32	0	0	0	—	—	—
19	34 $\frac{1}{2}$	29	18 $\frac{1}{2}$	f/6.5	18 × 16	37	0	0	0	—	—	—
20	34 $\frac{1}{2}$	34 $\frac{1}{2}$	20	f/6.1	20 × 18	42	0	0	0	—	—	—

Extra cost of pairing 2 Lenses for stereoscopic work, 8/0.

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.

A New Lens.

The "Holos Convertible" Wide-Angle Lens.



This is an anastigmat of wonderfully uniform correction over a very large part of its field, the full extent of which reaches approximately 110° . Like all other wide-angle lenses it is not completely free from spherical aberration; the correction is, however, such that it can be used for many purposes at $f/11$, whilst at $f/16$ it should satisfy the most exacting photographer. The single components form excellent wide-angle landscape lenses working at $f/16$ or less; their most striking property is an absolutely uniform definition over a plate the length of which considerably exceeds the focus of the lens.

This lens thus represents a Convertible Wide-Angle Lens and we should advise the choice of a doublet to cover the widest angle likely to be required, so that the components may be used as a medium or narrow-angle for less difficult subjects. Even the single lenses are quite rapid enough for "snapshots" in reasonably good light.

It will be noticed that a given plate can be covered with an extremely short focus, but as the results are rarely pleasing, owing to the exaggerated perspective, the use of such a short focus is not recommended. A 5 in. focus on a half-plate and others in proportion will, however, answer the purpose in most cases without giving a too violent perspective.

"Holos Convertible" Wide-Angle.

No.	Front.	Back.	Combined.	Capable of Covering.	Prices.
					£ s. d.
2	$5\frac{3}{8}$ in.	$5\frac{3}{8}$ in.	3'25ins.	--	3 7 6
3	$6\frac{1}{4}$ "	$5\frac{3}{8}$ "	3'5 "	$6\frac{1}{2} \times 4\frac{3}{4}$	3 15 0
4	$6\frac{3}{4}$ "	$6\frac{3}{4}$ "	3'9 "	—	4 0 0
5	8 "	$6\frac{3}{4}$ "	4'2 "	—	4 5 0
6	8 "	8 "	4'6 "	$8\frac{1}{2} \times 6\frac{1}{2}$	4 10 0
7	$9\frac{1}{2}$ "	8 "	5'0 "	—	4 17 6
8	$9\frac{1}{2}$ "	$9\frac{1}{2}$ "	5'5 "	—	5 5 0
9	$11\frac{1}{8}$ "	$9\frac{1}{2}$ "	6'0 "	10×8	5 15 0
10	$11\frac{1}{8}$ "	$11\frac{1}{8}$ "	6'5 "	—	6 7 6
11	$13\frac{1}{2}$ "	$11\frac{1}{8}$ "	7'0 "	12×10	7 17 6
12	$13\frac{1}{2}$ "	$13\frac{1}{2}$ "	7'7 "	—	9 10 0

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and 16, Forrest Road, Edinburgh.

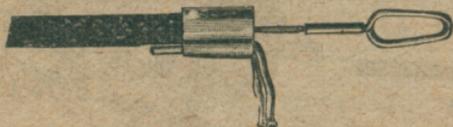
The Watson Patent "Antinous" Shutter Release.

IMPERISHABLE, Efficient and Reliable. Rubber Releases Superseded.

Illustrations (full size) of the patterns principally in demand, with particulars of the best-known Cameras and Shutters to which they can be fitted.



For Thornton-Pickard and other makes of roller-blind Shutter.



For cameras with projecting trigger, operated by pull-down movement, and all Shutters that require to be similarly operated.



For Bausch & Lomb, Wollensak, Kodak and latest pattern compound Shutters, and for diaphragm Shutters fitted with cylinder as supplied with Ensign, Tudor, Kodak, Carbine Wizard, Falloroll, and many other Cameras.



For Koilos Shutters.



For Spido and Block Note Cameras.



For Goerz Sector and Zeiss Linhof Shutters.



For Ibsco Shutters.



For Compound Shutters.

The Release for small Folding Cameras is 9 inches long. The length of the Standard Release is 24 inches. Price **2/6**.

Extra long Releases of ordinary patterns can be supplied to order.
Prices—6 feet, **5/-**; 10 feet, **8/-**.

Releases suitable for Watson's Vril, Adam's Videx and N. & G. Cameras are also supplied.

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

THE "Antinous" Shutter Release

For STUDIO SHUTTERS.

REMEMBER. When you have purchased one of these your outlay is ended. The "Antinous" is imperishable, and there is no after-expense for renewals.

NEW MODEL. FOR "SILENT" SHUTTER.



1. The above illustration shows the well-known "Silent" Hemispherical Shutter with the Release attached in both open and closed positions.

The attachment is made by means of a metal bracket which can readily be adapted to the Shutter in a few minutes.

PRICE LIST. The "Silent" Shutter complete, with "Antinous" Release, 6 ft. long.

3in. opening £1 6 0 4½in. opening £1 13 6 6¼in. opening £2 3 6
4in. " 1 8 6 5½in. " 1 18 6 8in. " 2 7 6

(Extra cost if Release is 8 ft. long, 1/6; 10 ft., 3/0; 12 ft. 4/6.)

"Antinous" Release only, 6 ft. long, 8/6; 8 ft. long, 10/0;
10 ft. long, 11/6; 12 ft. long, 13/0.

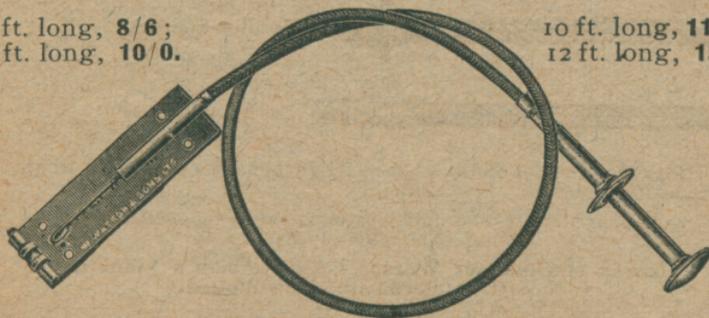
"Antinous" Release for GUERRY SHUTTER.

6 ft. long, 6/0; 8 ft. long, 7/6; 10 ft. long, 9/0; 12 ft. long, 10/6.

"Antinous" Release for Thornton Pickard STUDIO Shutter.

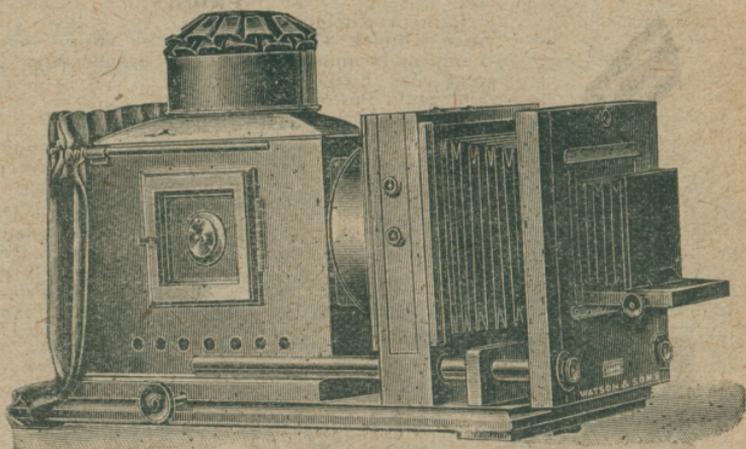
6 ft. long, 8/6;
8 ft. long, 10/0.

10 ft. long, 11/6;
12 ft. long, 13/0.



W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.

WATSON'S "De Luxe" Enlarging Lantern.



The body and base are of handsome Spanish Mahogany, the former being lined with Russian Iron. It is therefore cool and comfortable to handle. The angles of the ironwork are copper bound, giving the Lantern a very stylish and handsome appearance. The bellows are of Morocco Leather and the brass metal parts are well lacquered and of the highest finish.

To get the best results and the most enjoyment from the use of an Enlarging Lantern, **ease of manipulation** is a very essential feature, and in this pattern it is provided in the highest degree. The front is extended on very substantial tubes to approximately the correct distance and the final adjustment made by a focussing rack actuating the supplementary front on which the Lens is carried. This is a vast improvement over the usual method of extension, as in addition to being much quicker, there is less strain on the carrying tubes and no wobbling of the picture on the easel during focussing.

The position of the light to the Condenser is also adjusted by rack work, a convenience which those who have tried the usual method will appreciate.

We have still further perfected this Lantern by the addition of a Swinging Negative Carrier by which untrue marginal lines in the negative can be corrected in the enlargement.

PRICES.

	Complete with Oil or Vril Spirit Lamp or Incandescent Gas.			
	½-plate 5½in. Condenser.	5×4 6½in. Condenser.	¾-plate 8½in. Condenser.	Whole-plate 10½in. Condenser
With Holostigmat Lens Series I	£14 15 0	£16 15 0	£22 10 0	£37 10 0
With large aperture enlarging Lens with rack and pinion	9 10 0	11 17 6	16 10 0	25 10 0
Lantern only (no Lens)	8 10 0	9 10 0	13 10 0	21 10 0

Where Electric supply is obtainable we strongly recommend the "Kama" Nernst Electric Lamp, made in three sizes, which can be supplied with the above (in lieu of oil lamp or Vril Spirit Lamp) at the following extra cost:

No. 1 for ½-plate and 5×4 (35 to 60 c.p. according to voltage)	7/6
" 2 for ¾-plate (300 to 500 c.p. " ")	20/-
" 3 " (500 to 1000 c.p. " ")	35/-
(about 1000 c.p. on 200 volt current)	

**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

THE Popular Enlarging Lantern.

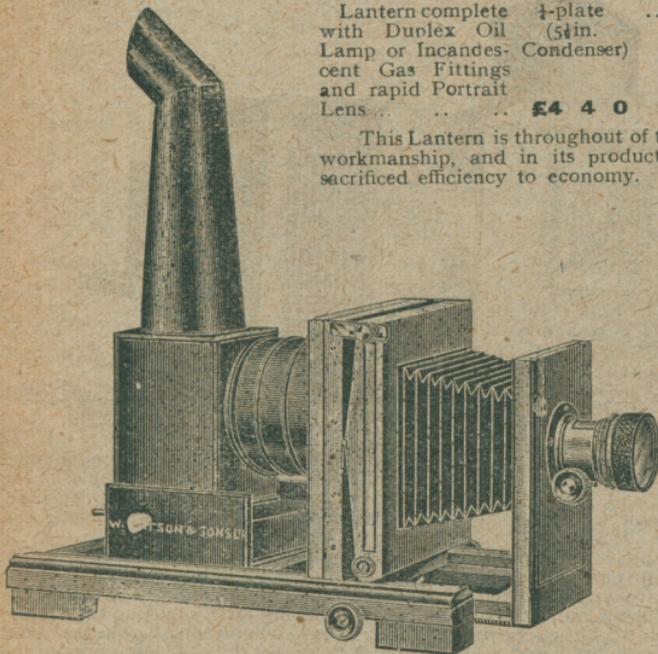
	PRICES.		
Lantern complete with Duplex Oil Lamp or Incandescent Gas Fittings and rapid Portrait Lens	4-plate (5in. Condenser)	5x4 (6in. Condenser)	4-plate (8in. Condenser)
	£4 4 0	£5 5 0	£7 7 0

This Lantern is throughout of the soundest material and workmanship, and in its production we have in no way sacrificed efficiency to economy.

The wood work is of well-seasoned mahogany, the body of Russian iron, and the condenser is of first-rate quality, in ventilated mount. Leather bellows.

The lantern focusses by rack and pinion operated from either side and the negative carrier has central swing for correcting untrue lines in either direction.

For use with electric arc, or oxy-hydrogen light the lantern is supplied with square body, round top and oval cowl, at the above prices, but without illuminant.



WATSON'S

“VRIL” SPIRIT LAMP.

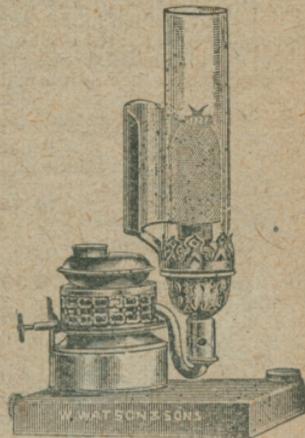
The safest, most brilliant, and most compact Spirit Lamp made.

Simplicity itself. No fear of exploding or catching fire.

The spirit is contained in the reservoir forming the base of the lamp and is vaporised by a small flame heating the chamber shown on the top of the lamp. The light is under absolute control, and is regulated simply by raising and lowering the wick exactly as in an oil lamp.

The lamp burns with absolute steadiness in the Lantern and lasts without trimming about 2 hours. It gives a powerful light equal to incandescent gas and is admirably suited for all optical lanterns. It measures only 6x4½ and 9 inches high so that it easily goes into any ordinary lantern.

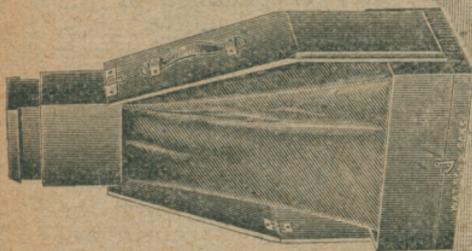
PRICE (complete with Tray) 17/6.



W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C. and 16, Forrest Road, Edinburgh.

Watson's Daylight Enlargers.

For $\frac{1}{4}$ -plate and 5×4 Negatives (Glass or Film.)



These are made of Mahogany and when not in use fold up into very small compass. The negative carrier and the Lens are rigidly supported at the correct distances by side wings, and the negative carrier is marked for the different sizes. The apparatus can be erected for use of an instant. You have simply to pull out the negative carrier to the bar marked with the size of the enlargement you wish to make, set the focus to correspond and place the negative and bromide paper in position.

The enlargers give whole-plate or 10×8 pictures at will. They are most carefully focussed and are guaranteed to give enlargements of the maximum crispness.

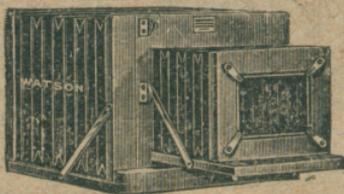
Prices complete with Lens.

For $\frac{1}{4}$ -plate to $8\frac{1}{2} \times 6\frac{1}{2}$ and 10×8	£1 15 0
„ 5×4 do. do.	2 0 0

Watson's Special Daylight Enlarger. For Half-Plate Negatives.

Made of mahogany, with bellows extension.

For $\frac{1}{4}$ -plate glass or film negatives, to whole-plate, 10×8 and 12×10 . The Enlarger is ready focussed and is complete with a dark slide, so that there is no need to carry the Enlarger itself into the dark-room between each exposure. The paper is kept in position by a sheet of glass; there is no necessity to pin it, and there is therefore less liability of finger marks. The Enlarger is exceedingly convenient and portable; dimensions over all when closed $16 \text{ in.} \times 13 \text{ in.} \times 8\frac{1}{2} \text{ in.}$



OPEN.



CLOSED.

PRICE, with Lens complete £4 0 0
 „ without Lens 3 12 6
 Any Lens of not more than 8 in. focus can be fitted to this Enlarger. Cost of adapting same and supplying flange is $7/6$ extra.

This Enlarger can also be adapted for $\frac{1}{4}$ -plate and 5×4 negatives by the addition of a Lens of shorter focus, costing $10/6$ extra, and Negative Carriers $2/-$ each.

“Uniol” Developer per 20 oz. bottle, $1/3$. (Strongly recommended),

Magnesium Ribbon, $2/-$ per oz.; $1/-$ per $\frac{1}{2}$ oz.

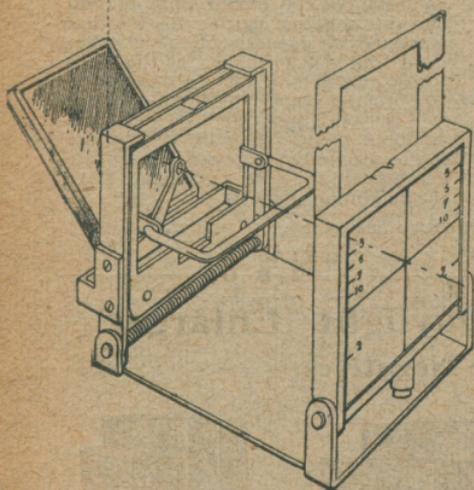
The above Prices are net for Cash with Order.

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
 and 16, Forrest Road, Edinburgh.

WATSON'S New Combined Finder, Level and Telemeter.

This instrument is based on a new principle and gives in itself the results which could hitherto only be obtained by the use of three separate instruments.

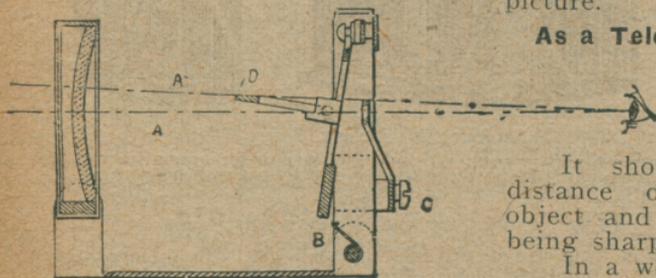
It is therefore a **Finder, a Level and a Telemeter.**



As a Finder, it has all the advantages of former models, but in addition the field can be adapted to suit any lens by removable masks of various apertures, showing the view in vertical or horizontal directions.

It can be used at the eye level or, by a removable mirror, the view is seen by looking down on the finder.

As a Level, it is perfect. The slightest depression or elevation of the camera, or the least tilt to right or left is instantly noticed; and all the while the view is being regarded. Thus the levelling insensibly plays its part in the composition of the picture.



As a Telemeter, it removes the prime cause of failure in ordinary hand camera work.

It shows instantly the distance of any principal object and thus ensures its being sharply focussed.

In a word it removes all need of failure or loss of time through having to first consult the Finder and then the Level, and often without success, of endeavouring to estimate the distance for which to set the focus. Price, 15/0 net.

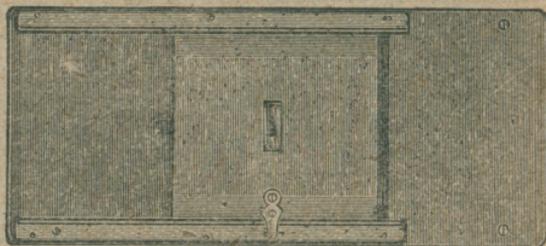
**W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.**

Watson & Sons' Tripods.



- 3-Fold Stand**, as supplied with our Acme Cameras, very rigid, and with mahogany top, cloth-covered, 4 in. and 6 in. £1 5s.
8 in., ditto £1 10s., 10 in. ditto £1 15 0
- Best Sliding Leg Stand**, suitable for heavy Cameras up to 15×12, made of Ash, with 10 in. mahogany top £2 2 0
- Ditto, ditto, heavier and with 12 in. top 2 10 0
- Very Strong Ash Stand**, solid legs, with large triangle top, suitable for cameras up to 24×20 3 3 0
- Brass Telescopic Tripod**, 3 section, outside black, very strong and rigid. with revolving top, practically a turntable 0 12 6
- Aluminium Tripod**, height extended 59 in. closed 16½ in., weight 14 oz., with revolving top, practically a turntable fitting to camera, a great convenience 1 10 0
- Ditto, ditto, height extended, 48 in., closed, 14 in. 1 7 6
- New Model Folding Tripod**, with sliding leg, in ebonized wood, very light and portable, in leather cover. 0 18 6

New Stereoscopic Printing Frame.



Made to take the Stereo sized Negative (61×3½) and to **Transpose** the position of the pictures, thus obviating the necessity of cutting the print or transparency.

In Pine, best quality. Price 5/- each.



WATSON'S ELECTRIC BICHROME LAMP

Is made to suspend by a hook from shelf or ceiling. It consists of two bell glasses, the space between them being filled with Bichrome liquid, and both secured by screw top. Where electric current is available we recommend the adoption of this pattern in preference to Gas or Oil.

Price complete fitted with 8-c.p. Lamp and Plug.

Fig. 2. 21/-

100 Volts unless otherwise ordered.

W. WATSON & SONS, Ltd., 313, High Holborn, LONDON, W.C.
and 16, Forrest Road, Edinburgh.