1931

DALLMEYER

LENSES AND APPARATUS

DALLMEYER LONDON

1931.

Established in London in 1860

J. H. DALLMEYER Ltd.

Manufacturers and Patentees of

Photographic, Cinematograph Lenses, Cameras & Apparatus

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OXFORD STREET, W. 1

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Church End Works, High Road,
Willesden, London, N.W. 10

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DALLMEYER, LONDON

Telephone :
MUSEUM 6022-3

Codes : A.B.C. 5th and 6th EDITIONS, BENTLEY'S and PRIVATE

INTRODUCTION

DALLMEYER Lenses have been before the public for close on 70 years, during which time they have been acclaimed as the finest in the World.

To the House of Dallmeyer stands the credit of numerous inventions and improvements in lenses and cameras. From the introduction of the Rapid Rectilinear Lens by J. H. Dallmeyer over half a century ago to the latest *f*/1·5 Speed Anastigmat (colour corrected) extreme aperture lens—Dallmeyer have always anticipated the requirements of both the photographer and the cinematographer. When the series of *f*/2·9 Pentac Anastigmat Lenses were first introduced, photographic cameras suitable for these extreme aperture lenses did not exist. It therefore became necessary for us to enter again the camera market, and the introduction of the series of Dallmeyer "Speed" Cameras was the result. These small folding focal-plane cameras fitted with their *f*/2·9 Pentac Lenses, placed a new tool in the hands of the photographer. Snapshots in the house, theatre, and late on a summer's evening became possible. The use of this new combination by amateurs, press and professional photographers, created a new era in photography.

With the introduction of the automatic cine camera for the amateur employing 16 m/m sub-standard film, a need became apparent for lenses both ordinary and telephoto type. To satisfy this market, we make many different lenses, ranging in focal lengths from 20 m/m to 12 in., with apertures from *f*/1·5 to *f*/5·6. Special types of mounts are manufactured for the DeVry, Victor, Auto-Kinecam, Filmo, Cine-"Kodak," etc.

To meet the requirements of our clients, we are at all times prepared to compute and manufacture special lenses. By these means we have supplied the full requirements of such well-known institutions as the Mount Wilson Observatory, The Lick Observatory, etc. Many expeditions have been equipped with Dallmeyer Lenses and Cameras. Dallmeyer Lenses were supplied for both photographic and cinematograph purposes in connection with the Mount Everest Expedition.

In testimony to the destinguished qualities of Dallmeyer Lenses, unsolicited letters are constantly received by us.

Dallmeyer Lenses are manufactured in a model factory at Willesden, employing the latest machinery and appliances. Workers skilled in optical science are at our disposal in order to maintain the high standard of perfection which has always been associated with the name of Dallmeyer.

In order to avoid unnecessary correspondence, we beg to state that in some of the most useful of the new optical glasses the occurrence of a few small bubbles is unavoidable. Their presence is in no way detrimental to the performance of the lens, the only effect being the loss of an infinitesimal amount of light. In the most extreme case, this would be represented by a prolongation of the exposure by about one thousandth part. The definition is absolutely unaffected.

Miss Enid Stamp Taylor

Taken with a Series B, *f*/3 Dallmeyer Patent Portrait Lens,
by A. C. Banfield, F.R.P.S.

ADON TELEPHOTO LENS

Adjustable Type

Multiple Focus

THE Adon is a variable-focus Telephoto Lens complete in itself, giving results superior to those obtained with a good positive Lens and Telephoto Attachment. It is designed for use alone having a flange diameter of only 1·1 inches which small diameter enables it to be used in the front of a No. 0S Compur shutter after the front and back components of the ordinary lens have been removed. It may be used on all sizes of cameras employing a focusing screen, the covering being power only limited by the extension available.

The Adon is composed of two achromatic combinations the front a positive lens of 4½ inches focal length and the back a negative lens of 2¼ inches focal length. The optical interval is controlled by a neat micrometer movement allowing great accuracy in focusing.

At the same extension as the ordinary lens, the Adon gives three linear magnifications i.e., an increase in area of nine times. By reason of its simplicity, internal reflecting surfaces are eliminated and brilliant pictures obtained.

A 1 inch Negative Lens can be supplied which is readily interchangeable with the 2¼ inch Negative. By its use, approximately double the magnification is obtained over the normal Negative fitted considering equal camera extension. The aperture is reduced accordingly also the circle of illumination and covering power.

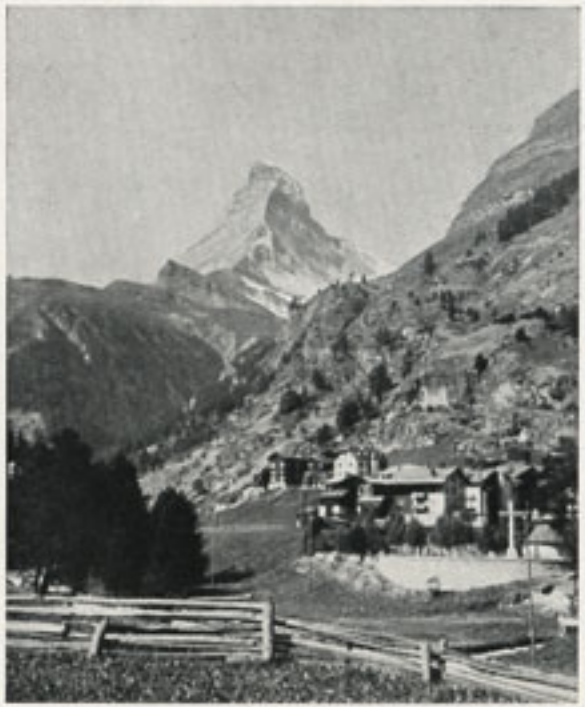
The aerial magnification given by the Adon is preferable to the mechanical magnification obtained by an enlarger, as in the latter case the grain of the negative is magnified.

Although the Adon is a Telephotographic Lens, it must not be imagined that its use is limited to distant objects. It can be used to advantage for Architecture, Landscapes, Natural History Work, etc.

The Adon weighs approx. 7 ozs. and is fitted with metal Iris Diaphragm.

The illustration over-leaf shows clearly one of the many uses to which the Adon can be put with advantage.

Code Name for Lens only		Price £ s. d.	
Capac	The Adon Lens in Micrometer Foc. Mount, complete with flange	7 0 0	
	1" Negative for Adon and Extension Tube	3 0 0	
	Spare flange for Adon	2 6	
	Leather Case for Adon	4 0	A
	Light Sliding Hood to increase brilliancy	3 0	
	Morocco Leather Case for Screen	4 6	
	Wratten, K1, K1½, K2 or K3 Filter in screw cell	1 0 6	AA
	Luc before Lens Shutter : with Wire Release	1 6 0	AA
	"Telephotography" by C. F. Lan-Davis, F.R.P.S. ..	3 6	B



Taken with a 6" Lens.
Photographs reproduced by kind permission of J. H. Ahern.

Taken with an "Adon" Telephoto Lens from the same position.
9" camera extension, 4 linear magnifications, 16 times increase in area.

NEW LARGE ADON

Series XI.

f/4·5

Telephoto Snapshots.

THE New Large Adon is a fixed-separation telephoto lens of large aperture, designed to meet the requirements of Photographers who wish for a lens of long focus and large aperture, but have not sufficient camera extension to allow of the use of an ordinary long-focus lens.

The magnification is approximately 2 linear, i.e., 4 times increase in area.

The camera extension necessary for objects at infinity is a trifle over half the equivalent focal length of the lens. The aperture *f*/4·5 allows of photographs being taken under most unfavourable conditions of lighting.

For portraiture the enhanced perspective and improved modelling are very appreciable.

The Lenses are mounted in aluminium alloy, finished black enamel, with a small flange diameter suitable for use on Reflex and Focal Plane Cameras. In the longer focal lengths they are ideal for professional portraiture.

The New Large Adon is complete in itself, and as simple to use as an ordinary lens. Exposures are the same as for all other lenses of the same aperture, but the pictures are on double the scale.

Code Name for Lens only. Rigid Mount	No.	Plate Size	Equivalent Focal Length		Infinity Back Cell to Screen		Price								
							Rigid Mount			Foc. Mount			Leather Case Rigid Mount		
		in.	in.	m/m	in.	m/m	£	s.	d.	£	s.	d.	£	s.	d.
Tabay	1A	1 × ¾	6	152	3	76	9	0	0	11	0	0		8	0
Cyder	1	3½ × 2½	9	228	4½	114	10	10	0	12	10	0		12	0
Camac	2	4¼ × 3¼	12	304	6¼	158	12	0	0	13	10	0		15	0 A
Gruar	3	5 × 4	14	355	7¼	184	15	0	0	17	0	0	1	0	0
Gower	4	6½ × 4¼	17	431	8¾	217	20	0	0	22	0	0	1	3	0

Add "ing" to Code for Foc. Mount.

DALLMEYER
ESTABLISHED LENSES 1860 CAMERAS
LONDON

THE GRANDAC
RAPID TELEPHOTO LENS

No. 1.
f/10

No. 2.
f/11

THE Grandac is a Telephoto Lens of variable focus and large aperture consisting of a 10 inch (254m/m), *f*/4 1A Patent Portrait Lens and suitable negative lens. It is mounted in aluminium alloy, finished black enamel, has a flange diameter of 3¼ inches (82m/m) and weighs approximately 3 lbs.

The 1A Patent Portrait Lens is specially adjusted for use with the negative lens but can be used alone if desired.

The No. 1 GRANDAC fitted with a 4" Negative (101m/m) covers a quarter plate at 6 inches (152m/m) extension, giving 25 inches (635m/m) focal length and aperture *f*/10. This means that, compared with the ordinary 5 inch (127m/m) lens, the photographer might have been five times as far away from his subject to get a picture of the same size, or conversely, at the same distance, his picture would have been five times as large.

At	6" (152m/m) extension	the focal length is 25" (635m/m)	and the aperture *f*/10
,,	8" (203m/m) ,, ,, ,, ,,	30" (762m/m) ,, ,,	*f*/12
,,	12" (328m/m) ,, ,, ,, ,,	40" (1016m/m) ,, ,,	*f*/16

the focal length increasing with the camera extension.

The No. 2 GRANDAC fitted with a 5 inch (127m/m) Negative covers a half-plate at 9 inches (228m/m) extension, giving 28 inches (709m/m) focal length and aperture *f*/11, and is otherwise similar to the No. 1.

At	9" (228m/m) extension	the focal length is 28" (709m/m)	and the aperture *f*/11
,,	12" (328m/m) ,, ,, ,, ,,	34" (875m/m) ,, ,,	*f*/14
,,	20" (508m/m) ,, ,, ,, ,,	50" (1270m/m) ,, ,,	*f*/20

the focal length increasing with the camera extension.

The Grandac is invaluable for natural history work, big game hunting, aerial photography, etc., as it allows the operator to be at considerable distance from his subject and yet to obtain a large image.

Code Name for Lens only	No.	Aperture	Plate Size	Price	Leather Case	Wratten K Filter Front	Morocco Leather Case for Filter
				£ s. d.	£ s. d.	£ s. d.	s. d.
Casap	1	*f*/10	4½×3¼	22 0 0 A	1 17 6 A	1 19 3 AA	8 6
Catap	2	*f*/11	6½×4¼	23 0 0 A	1 17 6 A	1 19 3 AA	8 6
Spare Flange for No. 1 or No. 2 Grandac 3·2 (82m/m) dia.					.. ..		6 0 A

DALLON
ANASTIGMAT TELEPHOTO LENS

f/3·5, *f*/5·6, *f*/6·5, *f*/6·8, *f*/7·7.

THE Dallon fixed-separation telephoto lenses are now manufactured in five different series.

They are the smallest, lightest, cheapest, and by far the best fixed-separation telephoto lenses made.

The camera extension required is only approximately half the equivalent focal length of the lens, thus two linear magnifications are obtained, i.e., an increase in area of approximately 4 times.

The new Ultra-Speed Dallons work at the enormous aperture of *f*/3·5 and are made in focal lengths from 3 to 14 inches. The longer foci are suitable for use on Reflex Cameras.

The Series VI Dallons work at an aperture of *f*/5·6, and are supplied in focal lengths from 6″ to 24″. They are eminently suitable for use on Reflex and Focal-Plane Cameras and can usually be supplied with a suitable thread making them interchangeable with the ordinary lens fitted.

The Series XVI Dallons have a smaller aperture, i.e., *f*/7·7 and are suitable for Reflex and Focal-Plane Cameras. Focal lengths 12″ and 17″. This series have comparatively short body lengths, the circle of illumination being therefore large.

The Series XVIII Dallons have been specially designed for use on folding-hand cameras and are regularly supplied fitted to Carbine, Ensign, Ica, Kodak Cameras, etc., the working aperture being *f*/6·5. They give a linear magnification of approximately 2 over the normal lens, the normal camera extension only being required. Made in suitable focal lengths for 4½×6 cm. 3½×2½ and ¼ plate cameras.

The Series XVII Dallon Lens having an aperture of *f*/6·8 has been designed for Reflex and Focal-Plane Cameras. One size only is made having a focal length of 15″ and requiring a camera extension of 6″. A linear magnification of 2½ times is obtained, i.e., an increase in area of approximately 6¼ times.

DALLON

Anastigmat Fixed-Separation Telephoto Lens.

Series XXIV. *f*/3·5 for Reflex and Focal-Plane Cameras.

Code Name for Lens only Rigid Mount.	No.	Plate Size.	Equivalent Focal Length.		Infinity Back Cell to Screen.		PRICE. Rigid Mount		Focusing Mount.		Leather Case Rigid Mount.		
		ins.	ins.	m/m	ins.	m/m	£ s. d.		£ s. d.		£ s. d.		
Pyper	O	16m/m Film	3	76	1½	38	8 0 0		9 0 0		8 0		
Tycar	1AA	4½ × 6 cm.	6	152	3	76	15 0 0		16 0 0		12 0		
Etnab	1B	3½ × 2½	9	228	4½	114	25 0 0		27 0 0		14 0		
Molar	1C	3½ × 2½	10	254	5	127	30 0 0		32 0 0		15 0		A
Bater	2	4¼ × 3¼–5 × 4	12	304	6	152	38 0 0		40 0 0		1 6 0		
Effie	3	9 × 12 c.m.	14	355	7	177	45 0 0		48 0 0		1 9 0		

Series VI. *f*/5·6 for Reflex and Focal-Plane Cameras.

Delar	1AA	4½ × 6 cm.	6	152	3	76	8 0 0		8 10 0		4 0		
Mabay	1B	3½ × 2½	9	228	4½	114	11 0 0		14 0 0		8 0		
Macay	1C	3½ × 2½–4¼ × 3¼	10	254	5	127	12 0 0		15 10 0		8 0		
Maday	1	4¼ × 3¼	11	279	5½	139	13 0 0		16 10 0		12 0		
Canap	2	4¼ × 3¼–5 × 4	12	304	6	152	14 0 0		17 10 0		12 0		A
Magay	3	5½ × 3½	14	355	7	177	17 0 0		20 10 0		15 0		
Cajap	4	6½ × 4¼	17	431	8½	216	23 0 0		27 0 0		1 1 0		
Harar	5	7 × 5	20	508	10	254	33 0 0		37 0 0		1 6 0		
Aster	6	8½ × 6½	24	608	12	304	45 0 0		—		1 10 0		

Series XVIII. *f*/6·5 for Folding Hand Cameras fitted with Between Lens Shutters.

									Fits No.			
Maway	1AA	4½ × 6 cm.	6	152	3	76	6 0 0		00 Shutter	4 0		
Majag	1B	3½ × 2½	9	228	4½	114	8 0 0		0 ,,	6 0		
Nacay	1C	3½ × 2½–4¼ × 3¼	10	254	5	127	9 0 0		0 ,,	7 0		
Ribad	1D	3½ × 2½–4¼ × 3¼	10½	266	5¼	133	9 10 0		1 ,,	8 0		A
Malag	1	4¼ × 3¼	11	279	5½	139	10 0 0		1 ,,	9 0		
Manag	2	4¼ × 3¼	12	304	6	152	11 0 0		2 ,,	10 0		
Sloer	5	7 × 5	20	508	10	254	25 0 0		—	1 1 0		
Kotor	6	8½ × 6½	24	608	12	304	33 0 0		—	1 6 0		

Series XVI. *f*/7·7 for Reflex and Focal-Plane Cameras.

Carap	2	4¼ × 3¼–5 × 4	12	304	6	152	9 0 0		11 0 0		8 0	
Cayap	4	6½ × 4¼	17	431	8½	216	16 0 0		19 0 0		14 0	A
Apele	*f*/8	8½ × 6½	40	1016	20	508	75 0 0		80 0 0		—	

Series XVII. *f*/6·8 for Reflex and Focal-Plane Cameras.

Masag	2	4¼ × 3¼	15	381	6	152	15 0 0		18 0 0		14 0	A

Code word—Add "ing" for Focusing Mount.

DALLMEYER

"POPULAR"

Fixed-Separation Telephoto Lens

f/6  *f*/6

Two Magnifications. For Reflex Cameras.

THE need for a popular-priced fixed-separation telephoto lens has for a long time been felt, and with the object of satisfying this demand, our designers have been working on an optical telephoto system which, while capable of giving excellent results over the desired angle, would lend itself to cheap production on a large scale.

The Dallmeyer "Popular" Telephoto Lens is the outcome of this research.

This new telephoto lens is made only in two sizes, and suitable for 3¼×2¼ and ¼ plate reflex cameras of practically all makes, i.e., 10" (254$^{m}/_{m}$) equivalent focal length, requiring 5" (127$^{m}/_{m}$) camera extension (the normal camera extension of a 3¼×2¼ reflex camera when closed), and a 12" (304$^{m}/_{m}$) equivalent focal length, requiring 6" (152$^{m}/_{m}$) camera extension for use on a ¼ plate.

The full aperture of *f*/6 is large enough for all normal purposes.

Only two pairs of cemented glasses are employed, with a metal iris diaphragm situated between the two combinations, thus ensuring the maximum brilliancy and freedom from internal reflections.

The definition over the respective plates is exceptionally good and negatives obtained will bear considerable enlargement.

The "Popular" fixed-separation telephoto lens gives a linear magnification of two, i.e., an increase in area of 4 times, over the normal lens. Thus, large scale pictures can be obtained on reflex cameras with comparatively short extensions. For pictorial, landscape, sports pictures, etc., the lens is invaluable.

DALLMEYER
ESTABLISHED
LENSES 1860 CAMERAS
LONDON

Dallmeyer "Popular" Fixed-Separation Telephoto Lens

Taken from the same position with a 10" *f*/6 Popular Telephoto Lens on a 3½" × 2½" Reflex, 2 linear magnifications, 4 times increase in area.

Taken with an Ordinary Lens on a 3½" × 2½" Reflex Camera.

It is perfectly achromatic, free from flare, coma and spherical aberration. The mount of the lens is made partly of Duralumin, enamelled black, and fitted with the latest type Iris. It is small in dimensions and light in weight.

The flange diameter is small and allows the lens to be used interchangeably with the normal *f*/4·5 lens fitted to any reflex camera. When a lens of larger aperture than *f*/4·5 is fitted as standard to the camera, the "Popular" Telephoto Lens can be supplied at an extra charge of 5/-, with a larger diameter thread, so as to be interchangeable with whatever aperture lens is normally used.

The "Popular" series of telephoto lenses are only supplied in one fixed type of mount suitable for reflex cameras. Their highly competitive price will not allow any departure from standard.

Code Name	No.	Plate Size	Equivalent Focal Length	Infinity Back Cell to Screen	Price	Hood	Spare Flange	Leather Case
Telar	1	3½" × 2½"	10" 254 m/m	5" 127 m/m	£7 15 0	5/-	3 -	£0 8 0
Tiger	2	¼ pl – 9 × 12cm	12" 304 m/m	6" 152 m/m	8 8 0	6/-	3/-	0 12 0 A

Colour Screens can be supplied.
For price, see separate leaflet.

DALLMEYER
DALMAC LENSES

Series XXII.

f/3·5

For All-round Photography on Dull Days.

THE *f*/3·5 "Dalmac" anastigmat lens has been computed to meet the increasing demand for a large aperture anastigmat capable of giving definition equal in all respects to the *f*/4·5 lens, and sufficient depth to allow of its use for general all round work, on existing cameras.

The "Dalmac" shows considerable advance in large aperture lens construction, the field is flat and perfect definition obtained over the entire plate for which the lens is listed. The circle of illumination and good definition is sufficient to allow of the use of the rising front.

The flange diameters being small, the "Dalmac" can be fitted to Reflex and Focal-plane cameras.

The "Dalmac" lens can also be supplied mounted in Compur and Compound and other makes of between-lens shutters for use on some Folding Hand Cameras.

"Dalmac" lenses in the longer foci are eminently suitable for portraiture.

THE "DALMAC" ONLY REQUIRES HALF THE EXPOSURE OF AN *f*/4·5 LENS.

Code Name Rigid	No.	Plate Size	Focal Length	PRICE			Flange Diameter		Compur Shutter Size
				Iris Mount Rigid or Sunk	Focusing Mount	Lens in Cells only for Shutters	Rigid	Sunk	
		Ins.	Ins.	£ s. d.	£ s. d.	£ s. d.	Ins.	Ins.	
Royal	00	16 m/m film	1	4 0 0	5 10 0	—	·83	—	No. 0S
Valor	0	35 m/m film	2	6 0 0	7 0 0	—	·875	—	No. 0S
Paser	1	1¼ × 2¼	3	7 10 0	8 10 0	6 5 0	1·25	—	No. 1S
Daler	1A	3 × 2	3½	8 0 0	9 0 0	6 15 0	1·25	—	No. 1S
Miler	2	3½ × 2½	4¼	8 10 0	9 10 0	7 5 0	1·75	2	No. 1S
Lehar	2A	3½ × 2½	4¼	9 10 0	10 15 0	8 5 0	—	1·75	No. 2/5
Tiler	3	4¼ × 3¼	5	10 0 0	11 5 0	8 15 0	1·75	2·25	No. 2/5
Biter	4	4¼ × 3½	6	12 0 0	13 5 0	10 15 0	2	2·5	No. 3 A
Liter	5	5 × 4	7	13 10 0	15 0 0	12 5 0	2·25	2·75	No. 3
Riter	6	5½ × 3½	7½	14 10 0	16 0 0	13 5 0	2·25	2·75	No. 4/9
Siter	7	6½ × 4¼	9	20 0 0	22 0 0	19 0 0	2·75	3·4	No. 5
Fiter	8	6½ × 4¾	10	24 0 0	26 0 0	23 0 0	3	3·4	No. 5
Citer	9	8 × 5	12	32 0 0	34 0 0	—	3·4	—	—
Piter	10	8½ × 6½	15	50 0 0	55 0 0	—	—	—	—

Adapting Lens cells to own Shutter, 15/-
Add "ing" to Code for Focusing Mount.
Add "Com" to Code for Lens in Compur Shutter.
Add "S" to Code for Lens in Sunk Mount.

DALLMEYER
ESTABLISHED 1860 LENSES CAMERAS
LONDON

DALLMEYER
PENTAC LENSES

Patented

Series
XIX.

f/2·9

The lens for Interior Snapshots without Flashlight.

THE Dallmeyer Pentac Anastigmat Lens, having an aperture of *f*/2·9, creates a new standard in lenses of extreme aperture.

The field is exceptionally flat over a large angle, the definition critical to the extreme corners of the plate. Coma, Spherical Aberration, Astigmatism and Colour, have all been corrected in the computation of this unique lens.

The aperture *f*/2·9 is approximately 50% more rapid than an *f*/3·5 Lens, with the result that photographs can be taken under most unfavourable conditions of lighting. This extreme aperture has been obtained without any loss of definition.

Pentac anastigmat lenses in focal lengths of 8 inches and over are ideal for portraiture. They can be supplied if desired in an adjustable mount enabling soft pictures to be obtained at will.

Code Name for Lens only, Rigid Mount	No.	Plate Size	Focal length	PRICE			Flange Diameter		Compur Shutter Size
				Rigid or Sunk	Focusing Mount	Lenses in Cells only for Shutter	Rigid	Sunk	
		Ins.	Ins. m/m	£ s. d.	£ s. d.	£ s. d.	Ins.	Ins.	
Fugea	1AA	16m/m film	1 25	8 15 0	10 0 0	6 10 0	1·25	1·25	No. 00S
Wabay	1A	35m/m film	1½ 38	8 15 0	10 0 0	6 10 0	1·25	1·25	No. 0S
Wacay	1	1 ×1¼	2 50	8 15 0	10 0 0	6 10 0	1·25	1·25	No. 0S
Waday	2	1½×2	2½ 63	9 15 0	11 0 0	7 10 0	1·25	1·25	No. 1S
Wafay	3	1⅝×2½	3 76	10 10 0	11 15 0	8 10 0	1·25	1·625	No. 1S
Pelar	3A	3 ×2	4 101	11 0 0	12 10 0	9 0 0	1·625	2	No. 2/5
Melar	3B	3¼×2¼	4½ 108	11 5 0	12 15 0	9 5 0	1·75	2·05	No. 2/5
Motor	3C	3½×2½	5 127	14 0 0	16 0 0	12 10 0	2	2·5	No. 3 A
Sotar	3D	4¼×3¼	5½ 140	14 10 0	17 0 0	13 0 0	2·25	2·75	No. 3
Wanay	4	4¼×3¼	6 152	15 0 0	18 0 0	13 0 0	2·25	2·75	No. 4/9
Wolax	4A	5 ×4	7 177	15 10 0	18 10 0	14 0 0	2·75	3·4	No. 5
Wapay	5	5 ×4	8 203	22 0 0	26 0 0	22 0 0	3	3·4	No. 5
Waray	6	6½×4¼	10 254	32 0 0	36 0 0	—	3·4	4·2	—
Wasay	7	7 ×5	12 304	40 0 0	44 0 0	—	4·4	—	—

Add "ing" to Code for Foc. Mount.
Add "s" to Code for Sunk Mount.
Add "Com" to Code for Lens in Compur Shutter.
Extra for Diffusion Mount, £2 10 0 all sizes from No. 4 to No. 7.
Fitting Lens Cells to own Shutter, 15/- extra.

DALLMEYER
PERFAC LENSES

Series V.

f/6·3

The Ideal Lens for Folding Hand Cameras.

THE Dallmeyer Series V Perfac is an anastigmat lens of unsymmetrical construction the short focal lengths being primarily designed for use on single-extension Hand Cameras such as the Ensign, Carbine, Ica, Kodak, etc. The longer foci are ideal for group photography on Field and Stand Cameras. Four glasses only are used, two in front of the diaphragm and two behind, the latter being cemented.

The definition given from the centre to the edge of the plate which they are listed to cover is such as to allow of a degree of enlargement which is only limited by the grain of the plate.

Every care has been taken in the calculation and design of the lens, as well as in the manufacture and glass used, to make it as perfect as possible, and we have confidence that this anastigmat more than upholds the high standard of quality which has been associated with the name of Dallmeyer for over half a century.

Dallmeyer Perfac Anastigmat Lenses are supplied in between-lens shutters, and are listed fitted to the majority of high class Folding Hand Cameras.

Code Name for Lens. Rigid Mount	No.	Plate Size	Focal Length		PRICE		Price Flange Rigid Mount	Compur and Compound Shutter Size
					Rigid Mount	Mounted in Compur or Compound Shutter		
		Inches	in.	m/m	£ s. d.	£ s. d.		
Gabap	1A	3½×2½	3	76	3 15 0	5 10 0	2/6	No. 0S Compur
Gacap	1	3½×2½	4	101	4 5 0	5 15 0	2/6	,, 0S ,,
Mavag	2A	4¼×3¼	4¾	120	4 10 0	6 0 0	2/6	,, 0S ,,
Gadap	2	4¼×3¼	5·3	134	5 0 0	6 5 0	2/6	,, 0S ,,
Gaeap	3	5×4	6	152	5 10 0	7 0 0	2/6	,, 1S ,,
Gafap	3A	5½×3½	6½	165	6 0 0	7 15 0	2/6	,, 1S ,,
Gagap	4	6½×4¼	7½	190	7 0 0	9 15 0	2/6	,, 2/4 ,, A
Gahap	5	7×5	8½	215	8 10 0	11 0 0	3/6	,, 2/5 ,,
Gajap	6	8½×6½	10	254	11 10 0	14 10 0	4/-	3 Compound
Galay	7 *f*/8	10×8	12	304	15 0 0	20 0 0	4/-	4 ,,
Gamay	8 *f*/8	12×10	14	329	20 0 0	25 0 0	4/6	5 ,,
Ganay	9 *f*/8	15×12	18	457	25 0 0	—	5/6	

These lenses can be supplied in Focusing Mount. Prices on Application.
Add " Com. " to Code for Lens in Compur Shutter.
Add " S " to Code for Lens in Sunk Mount.
Pairing Lenses for Stero Work, 15/- extra A

DALLMEYER
ESTABLISHED
LENSES 1860 CAMERAS
LONDON

DALLMEYER
SERRAC LENSES

Series XV.

f/4·5

The Fastest *f*/4·5 Anastigmat Lens.

THE Dallmeyer Serrac Lens marks a new era in the construction of large-aperture anastigmat lenses. Four glasses of exceptional transparency are used, two cemented behind the diaphragm and two uncemented in front.

The Serrac differs from other *f*/4·5 anastigmat lenses inasmuch as the diameter of the back glass is approximately equal to that of the front, thus ensuring equal illumination to the extreme corners of the plate. It is absolutely free from flare, so prevalent in lenses of large aperture, and owing to the small number of glasses employed, with only two air-spaces, a very small quantity of light is absorbed in passing through the lens.

The definition given by the Serrac Lens is perfect to the corners of the plate and will stand considerable enlargement. The circle of illumination is large and consequently allows of the full use of the rising front.

Supplied in sunk mounts for reflex cameras, focusing mounts for folding focal-plane cameras, and between-lens shutters of folding hand cameras.

Code Name for Lens, Rigid Mount	No.	Plate Size	Focal Length		PRICE						Price Flange Rigid Mount	Compur and Compound Shutter Size
					Rigid or Sunk Mount			Focusing Mount			Mounted in Compur or Compound Shutter				
		Inches	in.	m/m	£	s.	d.	£	s.	d.	£	s.	d.		
Habap	1A	4½×6 c/m	3	76	4	5	0	6	0	0	5	15	0	2/6	No. 0S Compur
Mawag	1B	3½×2½	4	89	4	5	0	6	0	0	5	15	0	2/6	,, 0S ,,
Hacap	1	3½×2½	4½	114	4	10	0	6	5	0	6	0	0	2/6	,, 0S ,,
Henbe	1A	3½×2½	4¾	120	4	10	0	6	5	0	6	0	0	2/6	,, 0S ,,
Hadap	2	4¼×3¼	5·3	134	5	0	0	6	15	0	6	10	0	3/-	,, 1S ,,
Haeap	3	5×4	6	152	5	15	0	7	10	0	7	15	0	3/-	,, 1S ,,
Hafap	3A	5½×3½	6½	165	7	10	0	10	5	0	10	5	0	3/6	,, 2R/4 ,, A
Hagap	4	6½×4¼	7½	190	9	15	0	12	10	0	12	10	0	4/-	,, 2/5 ,,
Hajap	5	7×5	8½	215	14	10	0	16	10	0	18	15	0	4/6	3 Compound
Penor	5A	8×5	10	254	20	0	0	24	0	0	24	0	0	5/6	4 ,,
Halap	6	8½×6½	12	304	25	0	0	29	0	0	31	0	0	5/6	5 ,,
Hamap	7	10×8	16	406	40	0	0	—			—			7/-	4 ,,

Add "ing" to Code for Focusing Mount.
Add "Com." to Code for Lens in Compur Shutter.
Add "S" to Code for Sunk Mount.
Pairing Lenses for Stereo Work, £1 extra.

DALLMEYER
"STIGMATIC" LENSES

Series
..
ii.

f/6

A Highly Corrected Convertible Anastigmat Lens.

THE Dallmeyer "Stigmatic" Lens is a universal lens and one that should appeal to the photographer, whether he be amateur or professional, owing to its wide scope. Combining four lenses in one, it has possibilities far beyond those of any other anastigmat lens.

The "Stigmatic" Lens is constructed of two anastigmatically corrected components. The front consisting of three lenses, when used alone in its original position (i.e., the front of the mount) will give twice the focal length of the complete lens.

The back combination, consisting of a cemented doublet, used alone in its normal position, will give an increase in focal length equal to half the normal focal length of the complete lens.

The complete lens can be used on a much larger plate than that for which it is listed, as a wide-angle lens. The table appended shows clearly the enormous covering power available.

The perfect colour correction makes this lens particularly useful for photography under artificial light. Pictures taken by ½ watt and flashlight appear critically sharp to the extreme corners.

The "Stigmatic" Lens is the finest anastigmat it is possible to design, considering the present knowledge of photographic optics, and the raw material now available.

It is fully corrected for colour, coma, spherical aberration, distortion, etc., and capable of producing brilliant pictures showing that clearness of image which characterises at once the quality only to be found in the most perfect optical instruments.

Code Name	No.	Plate Covered at full aperture *f*/6	Largest Plate Covered at small stops	Focal Length Complete Lens		Focal Lengths Combinations used alone Front	Back	Price, Iris Mount Rigid	
		in.	in.	in.	m/m	in.	in.	£ s. d.	
Jacay	1A	3¼ × 2½	5 × 4	4	101	8	6	6 0 0	
Jaday	1	3¼ × 3¼	6½ × 4¾	4·5	114	9	6·8	6 10 0	
Jagay	2	4¼ × 3¼	8 × 5	5·3	134	10·6	8	7 0 0	
Jahay	3	5 × 4	8½ × 6½	6·4	163	12·8	9·6	8 10 0	
Jalay	4	6½ × 4¾	10 × 8	7·6	193	16·2	11·2	9 10 0	A
Jamay	5	8 × 5	12 × 10	9	228	18	13·5	10 10 0	
Janay	6	8½ × 6½	15 × 12	10·7	271	21·4	16	14 0 0	
Japay	7	10 × 8	15 × 15	13	322	26	19·5	19 0 0	
Jaray	8	12 × 10	18 × 16	15·1	383	30·2	22·6	25 0 0	

These lenses can be supplied in focusing mounts and Between-lens Shutter.
Prices on Application.

Pairing for Stereo work, £1 extra.

DALLMEYER
ENLARGING ANASTIGMAT
LENSES

f/4 *f*/4

A Series of Popular Priced Lenses Specially Designed for Enlarging.

THE Dallmeyer Enlarging Anastigmat Lenses as their name implies have been specially designed for use with horizontal and vertical enlargers, employing Half-Watt Lighting.

They are manufactured for stock in three different focal lengths. Longer focal lengths can be manufactured to special order.

This series of lenses give exquisite definition, have ample covering power and being fully corrected for astigmatism, colour, coma, etc., enlargements obtained by their use are critically sharp, brilliant and free from distortion.

The lenses are mounted in brass, enamelled black and supplied with a flange for fitting to existing enlargers.

An orange glass cap is incorporated in the mount, eliminating the necessity for using an ordinary push-on orange cap, which invariably gets lost, or is not available when wanted.

The large aperture of *f*/4 enables exposures to be reduced to the minimum.

The iris apertures are engraved and arranged in a way to render it possible to stop down to any given aperture even in the dark.

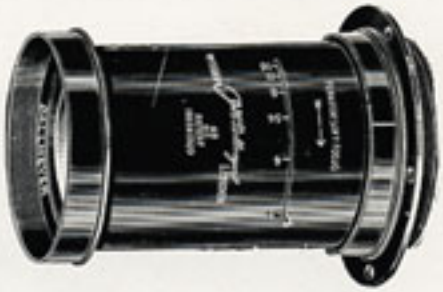
The iris diaphragm being made of metal throughout, is not affected by heat.

These Lenses being designed for enlarging are not recommended for use on ordinary Photographic Cameras.

Code Name	No.	Plate Size	Focal Length	Flange		Prices	
				Price	Dia.		
						£ s. d.	
Enlar	2	4¼"×3¼"	6" 152 m/m	3/6	2"	7 12 6	
Embro	3	5½"×3½"	7" 177 m/m	4/-	2¼"	10 0 0	A
Emden	4	6½"×4¼"	8½" 216 m/m	4/-	2¼"	12 10 0	

DALLMEYER
PATENT PORTRAIT LENSES

Series A



f/4

DALLMEYER Patent Portrait Lenses are recognised the world over as the finest lenses procurable for rendering that exquisite definition and modelling so desirable in portraiture. The advantages of the Patent Portrait Lens are so numerous and generally recognised that we need but mention here a few of the reasons why the most eminent Photographers of the day choose a Dallmeyer Patent Portrait Lens in preference to an anastigmat lens for portraiture.

The definition given by a Dallmeyer Patent Portrait Lens in the centre of the plate (obviously the most important part for the portrait of one person) is far superior to that given by the best modern anastigmat of similar aperture and focal length.

The glass employed in the construction of a Dallmeyer Patent Portrait Lens is much more transparent than any which can be used in an anastigmat lens, consequently the portrait lens has a larger effective aperture.

The modelling, perspective and brilliancy of the negative obtained when using a Patent Portrait Lens is far superior to that obtained with the ordinary anastigmat lens.

The Series A. Patent Portrait Lenses, having an aperture of *f*/4, are suitable for busts, large heads, and three-quarter lengths, and by slightly stopping down, photographs of standing figures and groups are rendered possible.

Supplied in lacquered brass or black aluminium mounts, with iris diaphragm, also if desired in rack and pinion mounts with Waterhouse stops.

Code Name for Lens only	No.	Plate Size	Focal Length		Price Iris Diaphragm			Spare Flange	Flange Diameter		
		in.	in.	m/m	£	s.	d.		in.	m/m	
Dabap	1A	5×4	10	254	16	0	0	6/–	3·2	81	
Dacap	1A Bis	5½×3½	12	305	18	0	0	7/–	3·9	89	
Dadap	2A	6×4	13½	342	22	0	0	8/–	4·2	106	
Dafap	3A	8½×6½	16	406	30	0	0	9/–	4·6	116	A
Dagap	4A	10×8	18	457	43	0	0	10/–	5·1	129	
Dajap	5A	15×12	22	559	50	0	0	12/6	6 0	152	
Dalap	6A *f*/4·8	20×16	30	762	60	0	0	15/–	7·05	179	

Add "ing" to Code for Rack and Pinion Mount.

The 5A and 6A are supplied to order only mounted with the flange near the centre of the body, and the diffusion arrangement worked from the back of the lens.

DALLMEYER
PATENT PORTRAIT LENSES

Series B.

f/3

THE Series B. Patent Portrait Lenses have been designed for instantaneous work in the studio, such as child studies, etc., where a large aperture is essential.

The No. 3 B. Patent Portriat Lens is well adapted for Cabinet size Portraits, the distance from lens to sitter for a standing figure being about 18 feet (548 cm.)

Dallmeyer Patent Portrait Lenses are constructed on a different principle from the old Petzval type of Portrait Lenses, and excel them in definition, freedom from distortion and flare and in equality of illumination, whilst in addition to this, they afford the means, by a single turn of the mount, of giving soft pictures in which there is evenness of definition without unpleasant out-of-focus effects.

When soft studies are desired, the lens should be rotated in the direction indicated, the required number of turns and then focused in the usual way.

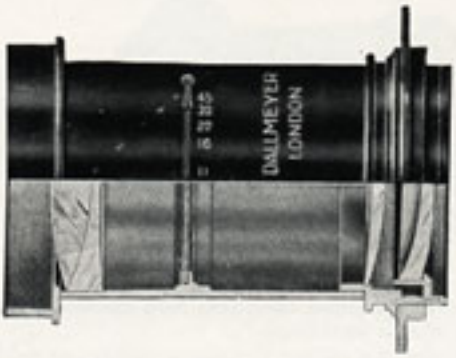
Supplied in lacquered brass or black aluminium mounts, with iris disphragm, also if desired in rack and pinion mounts with Waterhouse stops.

Code Name of Lens only	No.	Plate Size	Focal Length		Price Iris Diaphragm			Spare Flange	Flange Diameter		
		in.	in.	m/m	£	s.	d.		in.	m/m	
Bacap	1B	3¼×3¼	6	152	8	0	0	4/6	2·5	63	
Badap	2B	3½×2½	8¼	210	16	0	0	6/–	3·2	81	
Bafap	3B	6×4	11	279	22	0	0	8/–	4·2	106	A
Bagap	4B Bis	6×4	13½	342	43	0	0	10/–	5·1	129	
Bakap	4B *f*/3·8	8½×6½	17	431	43	0	0	10/–	5·1	129	

Add " ing " to Code for Rack and Pinion Mount.

DALLMEYER
PATENT PORTRAIT LENSES

Series D.



f/6

THE Series D. Patent Portrait Lenses are specially suitable for large and small groups, and in cases where great focal length is required, e.g., for Natural History and similar work when critical definition is required over a comparatively small angle.

The distance between sitter and lens for a standing figure for Cabinet size with the 3 D. Patent Portrait Lens is 18 feet (548 cm.). The 2 D. Patent Portrait Lens requires only 14 feet (426 cm.).

These lenses are similar to the A. and B. series as regards soft-focus effects.

Supplied in lacquered brass or black aluminium mounts, with Iris diaphragm, also if desired in rack and pinion mounts with Waterhouse stops.

Code Name for Lens only	No.	Plate Size	Focal Length		Price Iris Diaphragm			Spare Flange	Flange Diameter		
		in.	in.	m/m	£	s.	d.		in.	m/m	
Fabap	2D	6½×4¼	9	228	8	0	0	3/6	2·0	50	
Facap	3D	8½×6½	12½	317	10	0	0	5/-	2·75	69	
Fadap	3D Bis	8½×6½	14¼	374	14	0	0	6/-	3·2	81	
Fafap	4D	10×8	17	431	16	0	0	6/6	3·4	86	
Fagap	5D	12×10	19	482	18	0	0	7/-	3·9	98	A
Fajay	6D	15×12	24	609	30	0	0	9/-	4·6	116	
Falay	7D	18×16	30½	774	43	0	0	12/6	6	152	
Famay	8D	22×20	37	940	50	0	0	15/-	7·05	179	

Add " ing " to Code for Rack and Pinion Mount.

The 7D and 8D are supplied mounted with the flange near the centre of the body and the diffusion arrangement worked from the back of the lens.

DALLMEYER
ESTABLISHED 1860
LENSES CAMERAS
LONDON

DALLMEYER-BANFIELD
PORTRAIT ASTIGMAT

Soft-Focus Lens

SOFT-FOCUS or uncorrected lenses have long been appreciated by the more advanced workers in artistic portraiture.

With the idea of confining the various aberrations within reasonable limits the Dallmeyer-Banfield Portrait Lens has a maximum intensity of *f*/6, at which aperture the lens will be found to give an image of a delightfully soft character.

This Lens, which has been designed at the instance of Mr. A. C. Banfield, F.R.P.S. is particularly free from the effects of flare.

The mount is standardised, and is supplied with a lens (at choice) of either 18", 22", 26" or 30" focal length. The lenses are supplied in standard cells fitting the rear end of the mount by a bayonet catch. As the cells are interchangeable, an additional lens can be supplied at any time.

Code Name Lens in Mount	Focal Length	Plate Size	Mount with one Lens	Lens in Cell only	Spare Flange	Flange Diameter	
Bekay	18"	1/1 plate	£8 8 0	£3 3 0	15/-	5·1"	
Bikay	22"	10×8	£8 8 0	£3 3 0	15/-	5·1"	
Bokay	26"	12×10	£8 8 0	£3 3 0	15/-	5·1"	A
Bykay	30"	15×12	£8 8 0	£3 3 0	15/-	5·1"	

THE DALLMEYER-BERGHEIM SOFT-FOCUS LENS

THIS Lens is composed of two simple lenses (the front positive and the back negative), the distance between which is variable, thus providing a considerable latitude in focal length. The amount of spherical and chromatic aberration, due to the single uncorrected lenses, results in a certain amount of diffusion of focus, which produces the softness and delicacy aimed at by most artistic workers.

The No. 1 Dallmeyer-Bergheim is supplied in a specially designed aluminium mount suitable for use on Reflex Cameras.

The No. 2 is 11½" (292⅞) long and weighs 5½ lbs.

The No. 3 is 14½" (368⅞) long and weighs 7½ lbs.

Code Name for Lens only	No.	Aperture	Plate Size	Equivalent Focal Length	Camera Extension	Price Iris Diaphragm	Price Flange	Dia. Flange	
Ranap	1	*f*/3·5-*f*/20	4¼"×3¼" to 6½"×4½"	12½"-36"	10"-25"	£9 0 0	4/6	2·5"	
Racap	2	*f*/8-*f*/12	8½"×8½" to 15"×12"	25"-40"	15"-22½"	£17 0 0	7/-	3·9"	A
Ralap	3	*f*/9-*f*/15	10"×8" to Life size	35"-55"	12"-30"	£20 0 0	9/-	4·6"	

DALLMEYER
SOFT-FOCUS LENSES

f/4·5

f/4·5

THESE lenses have been specially designed for the use of amateurs, and are suitable for both portrait and landscape work.

The visual and actinic foci are coincident, no adjustments are required after focusing.

As the Lenses are gradually stopped down, the diffusion becomes less and less, until at *f*/16, the image is sharp. The amount of diffusion is therefore under complete control.

The diffusion is altogether different from mere general softening, such as can be obtained with chiffon, bolting silk, etc., and is equally different from an out-of-focus effect.

These lenses give remarkable true rendering of sun-light and brilliant pictures are obtained even when used against the light.

The Dallmeyer Soft-Focus Lenses are mounted in aluminium, finished black, and fitted with Iris diaphragm.

Code Name	No.	Focal Length	Plate Size	Price	Price Flange	Flange Diameter	
		in.	in.	£ s. d.		in.	
Audax	*f*/3·5	1	16 m/m Film	4 0 0	—	—	
Negus	*f*/4·5	2	35 m/m	3 10 0	—	—	
Facor	IAA	3½	4½×6 cm	4 0 0	2/6	1·2	
Fiver	IA	5	3½×2½	4 15 0	2/6	1·7	
Sixax	1	6	4½×3¼	5 0 0	3/-	1 875	A
Ninax	2	9	6½×4½	7 0 0	4/6	2 5	
Dozax	3	12	8½×6½	9 0 0	6/-	3 25	

DALLMEYER
ESTABLISHED 1860
LENSES CAMERAS
LONDON

DALLMEYER
"MUTAC" CONVERTIBLE SOFT-FOCUS LENSES

f/4·5

f/4·5

PICTORIALISTS will find in this new lens one that will meet all their requirements.

The "Mutac" used complete at its full aperture *f*/4·5 gives a pleasing diffusion which can be controlled by the use of the Iris. Moreover the visual and actinic foci are coincident and no adjustments are required after focusing.

Both components of the "Mutac" can be used alone and are fully corrected soft-focus lenses. The back component having a focal length half as long again as the complete lens, and the front component double that of the complete lens. It is important to note that the front component when used alone is used in the back of the lens, the back component being removed for this purpose.

Code Name	No.	Focal Length			Plate Size	Price	Flange	
		Complete	Front	Back			Price	Diameter
Cater	1	6"	12"	9"	4½"×3½"	£ s. d. 7 0 0	3/6	1·875"
Fater	2	9"	18"	13½"	6½"×4½"	9 10 0	4/6	2½" A

DALLMEYER
"WIDE ANGLE" LENSES

f/6.5
for Focusing

f/11
for Taking

Angle 100° approx.

ANASTIGMAT TYPE. Series XXIII.

THE Dallmeyer Wide Angle Anastigmat Lenses are of entirely new design and far superior to lenses of the rectilinear type previously issued.

The difficulty in focusing with a small aperture of say *f*/16 has been overcome.

The full aperture of *f*/6.5 can be used for focusing and even in dull interiors this large aperture enables objects to be focused without the use of local artificial light.

Used at the maximum working aperture of *f*/11, these lenses embrace a very wide angular field of approximately 100 deg. which renders them particularly valuable for photographing buildings, interiors, machinery and the like.

The field is exceptionally flat, and the definition critical to the extreme corners of the plate. Astigmatism, coma, distortion, colour and spherical aberration have all been corrected.

The focal length always remains constant whatever aperture is used for exposure. This is a most important point and not usually found in lenses of this type.

Code Name	Focal Length	Plate covered at *f*/16	Price in Rigid Iris Mount	Flange		
				Price	Diameter	
	ins.	ins.	£ s. d.		ins. m/m	
Holar	2⅜	3½ × 2½	5 5 0	2/6	1¼ 31	
Tabor	3¼	¼ pl. or 5½ × 3½	5 10 0	2/6	1¼ 31	
Genar	4¼	7 × 5	6 9 0	2/6	1¼ 31	
Patar	5¼	8½ × 6½	6 15 0	2/6	1¼ 31	A
Felix	6¼	10 × 8	7 10 0	2/6	1½ 38	
Seper	7⅜	12 × 10	8 10 0	3/6	2 50	
Copax	9	15 × 12	9 15 0	4/-	2¼ 57	

DALLMEYER
ESTABLISHED 1860
LENSES CAMERAS
LONDON

The Consecration Service of Liverpool Cathedral.

Instantaneous Photograph.

Taken with a 6" ½ plate Pentac Lens at *f*/2·9 on a 5 × 4 plate.

"Daily Sketch" Photo.

DALLMEYER
ESTABLISHED 1860 LENSES CAMERAS
LONDON

THE "LUC" SHUTTER

THE "Luc" Shutter has been specially designed for use before the lens, and a clamping arrangement is provided so that it can be easily attached to the front of a lens.

The shutter, unlike other types, provides for slow speeds, and is therefore eminently suited for use with telephoto lenses of the Adjustable Adon, Popular, New Large Adon, and Dallon types.

The Instantaneous movement allows of speeds from say 1/5th to 1/20th of a second, depending entirely upon the pressure put upon the release.

The Bulb movement is employed for exposures from say 1/5th to 5 seconds. For longer exposures the engraved knob is turned to the letter "Q" which opens the Shutter. To close, the knob is turned back to the letter "M."

A commendable feature is its absolute silence when bulb exposures are given, and it is therefore of great value to naturalists, etc.

Another great asset is its freedom from vibration, making it peculiarly suited to telephoto work.

The case of the shutter is made of aluminium, and thus weight is reduced.

Each Shutter is supplied with a suitable wire release.

PRICES AND MEASUREMENTS
"LUC" SHUTTERS

Code Name	No.	Shutter Opening	Fitting Lens Hood, from	Price	
		m/m	m/m	£ s. d.	
Blmuz	I.	30	30—36	1 4 0	
Baman	II.	35	36—43	1 6 0	
Bemem	III.	40	42—48	1 7 6	
Bimun	IV.	45	47—53	1 8 6	
Bomal	V.	50	52—61	1 11 0	AA
Bsmey	VI.	60	61—78	1 14 0	
Bwmak	VII.	70	73—90	1 18 0	
Bumor	VIII.	80	83—100	2 6 0	
Bomer	IX.	90	93—104	2 11 0	

Extra Wire Release .. 3/-
Extra Heavy Wire Release 7/6

WRATTEN FILTERS

K1, K1½, K2, K3, G & A

THE object of a yellow light filter is to reduce the excess of sensitiveness to ultra-violet, violet and blue possessed by all films or plates, even the best colour-sensitive varieties. The Wratten "K" screens are made of permanent dyes, adjusted as to intensity of colour.

Cemented in White Optical Glass of good quality, working satisfactorily on ordinary photographic lenses. The screw cells which are used for mounting these Filters are made so that the Filter is held securely, but without pressure, a most important consideration frequently overlooked. These special cells thus obviate all optical strain, which is a source of faulty definition when the Filters are employed on lenses of large aperture.

Filter diam.	PRICE Filter		Dallon Tele-Anastigmat	Pentac *f*/2·9 Anastigmat	Dalmac *f*/3·5 Anastigmat	Serrac *f*/4·5 Anastigmat
	£ s. d.					
¾"	18 0	1" *f*/1·5 Cine 1" *f*/1·9 Cine		focus 1" 1½"	focus 2"	focus 3"
1"	18 9	3½" Soft Focus 1" *f*/1·3 Cine	6" *f*/6·5 3" *f*/3·5	2" 2½"	3"	4"
1¼"	19 0	4" *f*/4 Cine-Telephoto 1" *f*/0·99	6" *f*/5·6	3"	3½" 4¼"	4½" 5·3"
1½"	1 0 6	Adon 5" Press 6" *f*/4·5 Adon 2" *f*/1·9 Cine 2" *f*/1·5 Cine	9" *f*/6·5	4" 4¼"	4" 5"	6"
1¾"	1 2 3	6" Press 10" Popular	9" *f*/5·6 10" *f*/5·6 12" *f*/7·7 10" *f*/6·5 11" *f*/6·5		6"	6½" 7½"
2"	1 3 3	9" *f*/4·5 Adon	12" *f*/6·5 6" *f*/3·5	5"	7"	8½" AA
2¼"	1 6 6	12" Popular	11" *f*/5·6 12" *f*/5·6 14" *f*/6·5	5½" 6"	7½"	
2½"	1 7 6		17" *f*/7·7 15" *f*/6·8	6½"		10"
2¾"	1 19 3	Grandac 12" *f*/4·5 Adon	14" *f*/5·6 10" *f*/3·5		9"	
3"	2 1 3			8"	10"	12"
3¼"	2 7 9		17" *f*/5·6 11" *f*/3·5			
3½"	2 9 9			10"	12"	
3¾"	2 13 9		12" *f*/3·5			16"

All Screens are supplied for use on the front of lens.
Ilford, Imperial and Wellington Screens can also be supplied.

DALLMEYER
ESTABLISHED 1860 LENSES CAMERAS
LONDON

COMPUR

COMPOUND

Between-Lens Shutters

THE Compur and Compound shutters have a reputation for their accuracy, simplicity in working, precision in manufacture, and high efficiency.

The speed regulation in the Compur pattern is obtained by an escapement consisting of a train of gear wheels, which for the smaller sizes of between-lens shutters is by far the best arrangement for ensuring accurate speeding. In the larger sizes—the Compound series—the speeds are obtained by means of an air break.

In all Compur and Compound shutters the leaves are designed to pass the maximum amount of light, and a special feature is the rapidity with which the shutter leaves open and close.

As will be seen from the illustration the working parts of the shutter are entirely covered in and the instrument is therefore not susceptible to changes of temperature, dust and dirt.

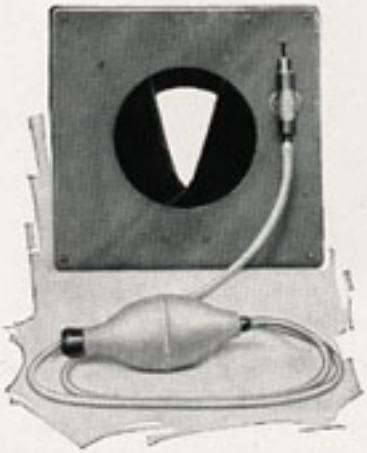
PRICES AND MEASUREMENTS

Series No.	Tube No.	Outside Diam.	Iris Diameter	Diameter of Inside Tube Thread	Overall Length	Speeded to	Price	
		m/m	m/m	m/m	m/m			
00	Normal	44	15	19	15·25	1/300		
0	,,	56	22	26·8	18·5	1/250		
0	Wide	56	22	28·1	18·5	,,	£2 17 6	
0	1	56	22	25	17·1	,,		
1	Normal	65	27	30·3	21·5	1/200	£3 10 0	
1a	3	65	27	34·8	23	,,		AA
2	4/1	78	30·5	40	33	1/150		
2	4/11	78	30·5	40	25	,,	£3 17 6	
2	5	78	35	45	35	,,		
3	6/1	78	35	48·8	40	,,	£4 12 6	
3	6/11	78	35	48·8	30·8	,,		
				COMPOUND SHUTTERS				
3	7	87	40	54·8	37	1/100	£4 12 6	
3	8	87	40	55	52	,,		
4	9	106	52	61·3	50	1/75		
4	10/1	106	52	67	60	,,		AA
4	10/11	106	52	67	45	,,	£5 5 0	
4	11	106	52	72·3	64	,,		
5	12	125	64·5	81·9	74	,,	£6 15 0	

DALLMEYER
ESTABLISHED LENSES 1860 CAMERAS
LONDON

PACKARD-IDEAL SHUTTER

The Ideal



Studio Shutter

THIS shutter is designed for studio work, and is fitted to the inside of the camera front: its thickness in all sizes is only 3/16th of an inch. The construction is such that the exposure is greatest in that part of the plate which most needs it, and it may be set open for focusing; the action is rapid, and reliable, and the mechanism is so simple that there is practically no jar or vibration during exposure, thus friction and consequent wear are reduced to a minimum.

The Packard-Ideal Shutter is made in sizes from 3 inches (76 m/m) to 5 inches (127 m/m) opening. Two models are available, No. 5 for Time exposures only, and No. 6 for Time and Instantaneous exposures, the exposure depending on the pressure put upon the ball.

The material, workmanship, and finish are of the best—all shutters being well made, mechanically perfect and carefully finished.

SIZES AND PRICES (Complete with Ball and Tube).

Diameter of Opening		Outside Dimensions		No. 5 for Time only			No. 6 Time and Instantaneous			
in.	m/m	in.	m/m	£	s.	d.	£	s.	d.	
3	76	5¾	146	2	10	0	3	0	0	
3¼	82	6	152	2	10	0	3	0	0	
3½	89	6½	165	2	10	0	3	0	0	
3¾	95	7	177	2	15	0	3	5	0	B
4	101	7½	190	2	15	0	3	5	0	
4½	114	8	203	3	5	0	3	15	0	
5	127	8½	215	3	10	0	4	5	0	

Extra Ball and Tube, 4/6
Extra Tubing, 6d. per foot.
Ball only, 4/-