

DONATED BY ESKIL M. OHLSON OHLSON STUDIO

P. O. BOX 275 GLEN BURNIE, MD. 21061

A CATALOGUE OF PHOTOGRAPHIC LENSES



REFER TO NEW PRICE SHEET ENCLOSED.

Manufactured by the optical works of

HUGO MEYER & CO.

SOLE AGENT FOR GREAT BRITAIN
AND THE COLONIES

A.O.ROTH

85. Ringstead Road London-Catford S. E. 6

Telegrams: "Mentorflex, Catgreen, London" Telephone: "Lee Green 2424"

MEYER PHOTO-OPTICS

This list comprises the various series of our well known Meyer Euryplan, Portrait Trioplan, Double Anastigmat and Aristostigmat lenses in their various angles and uses.

In most cases the Professional Photographer as well as the Amateur require a lens to answer a good deal more than one particular purpose, and the required lens should be available for a wide range of work and should be more or less of a universal type. In some instances it may be important to increase the rapidity and in other instances the covering power, when the most exacting demands are made on the lens, and the speed is not the sole object.

Aristostigmat Series F/4.5 and Series F/6.3

On account of their particular construction they are real universal anastigmats of wide aperture, combining great covering power and depth. Very suitable for Groups, Portraits, interiors and other subjects.

Full correction for Spherical Anastigmatism. In the computation of the Meyer Aristostigmat very special attention has been paid to the Chromatic aberration, and this lens is therefore particularly suitable for Colour Photography in its various forms. It is of symmetrical design and the single component provides an excellent Portrait and landscape lens of about double the focal length and half the speed of the combined lens.

The single component should preferably always be used as a back lens. The lens being behind the diaphragm, but should the camera extension not be long enough, the single component can be used in the front of the diaphragm, and in that case less camera extension is required, but we advise to hood the lens well.

The Aristostigmats are provided in all types of mounts and are suitable for most cameras.

Meyer Double Anastigmat F/6-8

Six lens cemented construction. Symmetrical design.

Specially recommended for Architectural subjects, Technical and scientific work. Also quite suitable for Landscape and interiors etc.

The definition is uniform from the centre to the edges and perfect uniform illumination is secured, a most important factor for scientific work. Spherical, chromatic and anastigmatic corrections are carried out in the fullest possible degree. On account of the wide angle covered this lens serves well for wide angle subjects when used with a small stop, and the single components form excellent long focus lenses about twice the focal length of the combined objective.

Meyer Double Anastigmats are well known as the best for many years amongst the professionals.

Meyer Portrait Trioplan F/3

A special rapid Anastigmat. Three lens system. Free from chromatic aberration. For Studio action pictures of Children, and when stopped down it can also be used for Groups. The short foci are particularly useful on Reflex and Focal plane cameras, and are already used all over the world by the Press, known as the Meyer Press Superspeed outfits.

Meyer Trioplan F/4.5 and F/6.3

Construction the same as Portrait Trioplan F/3, this lens has been specially designed for Folding Plate Cameras and Roll Film Cameras, obtainable in short and medium foci.

The series F4.5 in the longer foci is particularly recommended as a Portrait objective at a comparatively low price.

The series F 6.3 is a Group and Landscape Anastigmat at a reasonable price, for Professional and landscape photographers.

Euryplan F/6

A Universal Anastigmat of symmetrical design, the single components are completely corrected. For Landscape, Architecture, Reproduction, Groups, and Colour Photography.

The Euryplan Series can also be supplied in various Sets, where the single components have different focal lengths. These sets are called Casket Lenses, and provide the serious photographer with a battery of lenses of varying focal lengths, to meet any requirement.

Meyer Aristoplanat F/7.7

A Universal objective for all round photography, at a very low price. The Aristoplanats have a smaller angle similar to an Aplanat, but by using small stops it can be successfully used for Groups and Architecture.

Meyer wide angle Aristostigmat F/9

The best wide angle lens at present on the market. Angle 100 degrees and no flare. The sale of the Meyer Wide Angle Lens is rapidly increasing year by year. It has no rival. F/9 is considered a high aperture for an objective of such wide angle, and the focussing is quite easy at that aperture, and the lens performs well at full aperture.

On the choice of a Suitable Lens we give the following Guide

- 1. Instantaneous exposures.
 - a) For all action pictures and rapidly moving subjects, such as Horse Racing, Motor Racing, Hunts, and all round Sports and animal photography.

Meyer Trioplan F/3
Meyer Aristostigmat F/4.5
Meyer Trioplan F/4.5

b) For instantaneous exposures in the Cities, or country, where objects move at a medium rate.

Meyer Trioplan F/4.5 Meyer Aristostigmat F/4.5

c) For general instantaneous exposures when the lighting conditions are at their best.

Meyer Aristostigmat F/6·3
Meyer Double Anastigmat F/6·8
Meyer Euryplan F/6 and Euryplan Sets.
Meyer Trioplan F/6·3

2. Landscape and Panorama Photography.

Meyer Aristostigmat F/6·3
Meyer Double Anastigmat F/6·8
Meyer Euryplan F/6 and Euryplan Sets
Meyer Trioplan F/6·3
Meyer Aristoplanat F/7·7

- 3. Portrait and Studio Photography.
 - a) Instantaneous Photographs of Children etc. in the Studio, with Panchromatic Plates. Meyer Trioplan F/3. (Panchromatic plates are to be preferred for these subjects.)
 - b) For large Portraits and small Groups of four persons.

 Meyer Trioplan F/3

 Meyer Aristostigmat F/4.5

 Meyer Trioplan F/4.5

H. M. THE QUEEN AND H. R. H. THE DUCHESS OF YORK AT NORWICH MUSICAL FESTIVAL



TAKEN WITH THE MEYER F/3 ANASTIGMAT
PRESS SUPER-SPEED CAMERA

By the ordinary Lighting of the Hall, WITHOUT FLASHLIGHT.

AT FULL APERTURE F/3. Exposure 1/5 sec. Plate Speed 500 H.D.

Distance from object to Camera six yards.

The above Photography demonstrates the excellent DEPTH, SPEED and DEFINITION. MEYER F/3 THE BEST.



Taken with Meyer F/3 Trioplan Lens Focus 6 inches. Phot. E. Hoenisch, Leipzig.

His Excellency von Hindenburg,

President of the German Empire, during his speech at the Leipzig Town Hall.

- c) For Portraits and Groups.

 Meyer Aristostigmat F/4.5 and F/6.3

 Meyer Euryplan F/6
- d) For large Groups and "Join-ups".

 Meyer Double Anastigmat F/6.8

 Meyer Aristostigmat F/6.3

 Meyer Trioplan F/6.3

 Meyer Aristoplanat F/7.7
- For Technical and Scientific work. Reproductions, interiors, Machinery, etc.

Meyer Double Anastigmat F/6.8 Meyer Aristostigmat F/6.3 Meyer Euryplan F/6 and Euryplan Sets. Meyer Wide Angle Aristostigmat F/9

It should be noted that when objectives of large aperture are required for fitting to cameras, such as the Meyer F/3, special apparatus is required. Or it should be noted that the camera fronts of client's own cameras are large enough to take these lenses, and that the instrument has sufficient stability. Cameras of poor design and workmanship cannot perform in combination with these high grade lenses, where absolute parallelism of front and plate surface is required.

Every lens manufactured and sold by us is engraved with our name (Hugo Meyer & Co.), with the series number, and manufactures number, and every instrument is guaranteed.

We also draw your attention to our special cameras which have been designed to meet the needs of these high grade anastigmats. We undertake to fit and mount our lenses to cameras of other makes free of charge, except where alterations have to be undertaken to enable them to be fitted.

Terms of Business

Orders, should be accompanied by remittance or Letter of Credit unless references have been previously given, or an account has been opened.

Apparatus can also be sent on the Cash on Delivery System.

Packing, (duties), postage and other expenses to the debit of the customer. Goods are sent at purchaser's risk. The greatest care is employed in packing and every endeavour is made to ensure safe delivery of the Apparatus. We do not hold ourselves responsible for any damage or delay that may occur in transit.

Packing. Charged NETT. not returnable.

If an order cannot be executed by return it will be confirmed with approximate information as to when delivery can be made. This notice however, being without engagement.

Apparatus and lenses made to special order must be paid for in advance. All prices in this list are without engagement. All previous lists cancelled.

Queries of whatever nature can only be considered within seven days after receipt of goods.

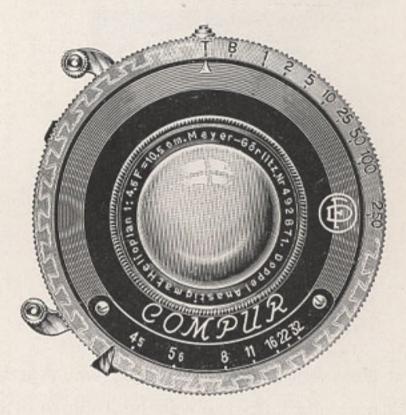
The date given on Appro notes must be strictly adhered to. Goods remain our property until paid for in full. Goods can only be accepted from appro if returned in unsoiled condition, and show no sign of use, otherwise, the consignee is held liable for the total amount.

HUGO MEYER & Co.

Optical Works.

Goerlitz (Germany), November 1930.

New Compur Shutter with delayed action



The new Compur Shutters with delayed action are so far only manufactured in sizes 0 and I.

The prices in our list for Meyer Objectives fitted to Compur Shutters are for Compur Shutters of the usual construction, not delayed action.

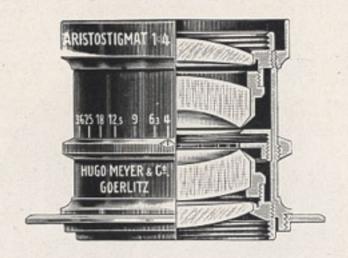
An additional charge for Meyer Objectives fitted and supplied with the Delayed Action Compur Shutter is made:

For Size No. 0 extra

For Size No. 1 extra.

All other Compur Shutters will be delivered as before without extra charge.

The Meyer F/4·5 Aristostigmat



Angle 75 0 (Approx.)

A first class Anastigmat lens of extreme Aperture. For artistic portrait Photography in the studio or in the home, for high-speed and sports snapshots and Cinematography.

The F/4 Aristostigmat possesses excellent corrections for astigmatism, spherical and chromatic aberrations, and is also completely free from coma, so that the lenses of this series give exceptionally fine and pleasing detail together with a most satisfying modelling.

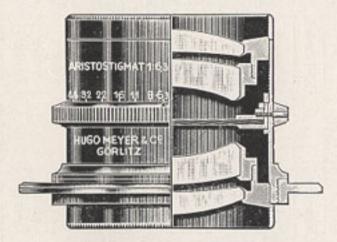
In the construction of the F/4 Aristostigmat special attention has been given to the elimination of the secondary spectrum, for which reason these lenses can be used with complete success for Autochrome exposures and threecolour work.

The single components can be used separately as landscape lenses, under which circumstances they will give good results at an aperture of F/11.

Meyer F/4.5 Aristostigmat

	Focal	Plate o	covered			Prices with	iris dia	phragm		
No.	length	at full	with smallest stop	Standar	d mount	Focussing mount	Sunk mount	Comp	ur Shutter	Adapter
	inches	inches	inches		Code word	Code word	Code	word	Code word	Kings
00000 0000 000	1 5/8 2 3/8 3		$\begin{array}{c c} 1 {}^{5}/8 \times 1 {}^{1}/4 \\ 2 {}^{3}/8 \times 1 {}^{5}/8 \\ 2 {}^{3}/8 \times 2 {}^{3}/8 \end{array}$		Ibag Ibel Ibis	Kahn Kahle Kaffer	Leb Led Led	er	Nerz Neger Neptun	
00 0 1a	3 1/2 4 3/4 5 1/4		$\begin{array}{c} 3^{1/2} \times 2^{3/8} \\ 4^{3/4} \times 3^{1/2} \\ 6 \times 4 \end{array}$		Ibol Ibog Ibot	Kaiser Kain Kalb	Left Leid Leid		Neid Neisse Neipa	
1 2a 2	6 6 1/2 7	$\begin{array}{ c c c c }\hline 5 \times 4 \\ 5 {}^{1/2} \times 3 {}^{1/2} \\ 6 \times 4 \end{array}$	$\begin{bmatrix} 6^{1/2} \times 4^{3/4} \\ 7 \times 5 \\ 8^{1/2} \times 5 \end{bmatrix}$		Ibu Ibut Ida	Kalt Kamm Kant	Leis Leit Leis	er	Nein Neige Neffe	
3a 3 4	7 ³ / ₄ 8 ¹ / ₄ 9 ¹ / ₂	$\begin{array}{c c} 6^{1/2} \times 4^{3/4} \\ 7 \times 5 \\ 8^{1/2} \times 5 \end{array}$	$\begin{array}{c} 8^{1/2} \times 6^{1/2} \\ 9^{1/2} \times 7 \\ 10^{3/4} \times 8^{1/2} \end{array}$		Idee Ident Idon	Karl Karre Kap	Lein Lein Lein	ne	Nelly Nebel Netz	
5 6 7	10 ⁵ / ₈ 12 14 ¹ / ₄	$\begin{array}{c} 8^{1/2} \times 6^{1/2} \\ 9^{1/2} \times 7 \\ 12 \times 9^{1/2} \end{array}$	14×12		Idem Idor Idul	Pairing two			Work	
8 9	16 ¹ / ₂ 20	$13 \times 10^{3/4} \\ 16 \times 12$	17×13 25×20		Isidor Ibera		ex	tra		

The Meyer F/6.3 Aristostigmat



Angle 90 (Approx.)

A first grade Universal anastigmat. This extremely popular wide aperture lens possesses the greatest covering power and depth, and is excellent for groups, portraits, interiors and subjects of all sorts.

By this construction the fullest correction of spherical, chromatic and astigmatic defects is attained, and, as a result of this excellent combination of qualities, the Aristostigmat gained a world-wide reputation within a very short time of its introduction. From the point of view of its capacity and cost as a dyalite this lens remains unexcelled.

In the computation of the Meyer Aristostigmat very special attention has been bestowed upon the elimination of chromatic aberration and this lens is therefore particularly suitable for colour Photography in all its forms.

Each component provides an excellent landscape lens of focal length about double that of the complete lens and with an aperture of F/12·6. When used in this manner the component that is selected should be used behind the diaphragm, whenever possible, only in the case of necessity, when the camera extension is not long enough, should the front component as such be used alone.

Meyer Aristostigmat Lenses are supplied in all types of mounts and may be built up into any camera system whatsoever without additional charge, where no alterations are necessary.

Meyer F/6.3 Aristostigmat

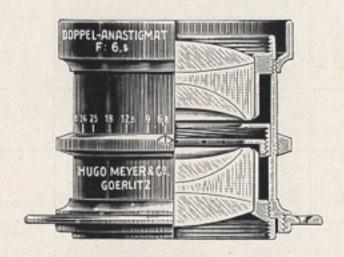
	Length	er of	Plate o	overed		Prices	with iris	diaphragm		
No.	al Le	Diameter	at full	with smallest	Standard mount	Focussing mount	Sunk mount	Ibsor Shutter	Compur Shutter	Adapter
	inch.	inch.	aperture inches	stop	Code word	Code word	Code word	Code word	Code word	Ada
0 e 0 d 0 c	1 5/8 2 3/8 3	9/32 3/8 1/2	1 5/8×1 5/8 2 3/8×1 5/8 2 3/8×2 3/8	$2^{3/8} \times 1^{5/8}$ $3^{1/2} \times 2^{3/4}$ $4 \times 3^{1/4}$	Ala Alabaster Albien	Bar Balsam Barke	Dax Deal Delft	Gnade Gneis Gnase	Hafer Halle Haft	
0 b 0 a 0	3 1/2 4 1/8 4 3/4	17/ ₃₂ 11/ ₁₆ 13/ ₁₆	3 1/2×2 3/8 3 1/2×3 1/2 4 3/4×3 1/2	4 ³ / ₄ ×3 ¹ / ₂ 6×4 6 ¹ / ₂ ×4 ³ / ₄	Alai Alge Alagon	Bosko Bart Baden	Debüt Delta Diana	Gnom Gnu Glocke	Hahn Haus Habicht	
1 a 1 2 a	5 1/4 6 6 1/2	7/8 1 1 3/32	5×4 6×4 6 ¹ / ₂ ×4 ³ / ₄	7×5 8½×6½ 8½×6½ 8½×6½	Alalus Alamar Alfa	Brillant Banner Birke	Diplomat Degen Distel	Gemse Georg Gras	Hagel Hebel Hugo	
2 3 4	7 8 1/4 9 1/2	1 3/16 1 3/8 1 9/16	7×5 8 ¹ / ₂ ×6 ¹ / ₂ 9 ¹ / ₂ ×7	9 ¹ / ₂ ×7 10 ³ / ₄ ×8 ¹ / ₂ 12×9 ¹ / ₂	Aland Alarich Alarm	Bismarck Bachus Boxer	Defi Delphin Diamant	Globus	Hansa Hügel Herold	
5 6 7	10 ³ / ₄ 12 14	1 3/4 2 2 5/16	$\begin{array}{c} {\bf 10^{3/4} \! \! \times 8^{1/2}} \\ {\bf 12 \! \! \! \! \! \times \! \! 9^{1/2}} \\ {\bf 14 \! \! \! \! \! \! \times \! \! 12} \end{array}$	14×12 16×12 18 ¹ / ₂ ×15	Alatri Alava Alard				Hecht Hesse	
8 9	16 ¹ / ₂ 19	23/4 31/8	16×12 17×13	20×16 24×20	Alaude Alantika					

The focal lengths up to 6 inches are suitable for stereoscopic work.

Two lenses can be paired at the cost of per pair.

The Meyer F/6.8 Double Anastigmat

Cemented construction, symmetrical design.



Angle 900 (Approx.)

For snapshots, portraits, groups, landscapes, interiors, architectural subjects, technical and scientific work etc.

Special advantages:

At full aperture the lens gives excellent definition over the entire plate. The definition is uniform from the centre to the edges. Perfectly uniform illumination, with a clear, brilliant image.

Like the Meyer Aristostigmat, the lenses of this pattern are also universal lenses in the fullest sense of the word. They are of unexcelled serviceability and are distinguished from the Meyer Aristostigmat series only in point of construction. The spherical, chromatic and anastigmatic corrections are carried out in the fullest possible degree and coma is also completely eliminated.

On account of the wide angle covered, this lens serves well for wide angle subjects, when used with small stops.

The single components, which have an aperture of F/13.6 are excellent landscape lenses with a focal length about double that of the complete lens.



Taken with Meyer Aristostigmat Set Size III. By C. Pruss, Munich.

Pagode "Wat Cheng" at Bangkok, Siam, entirely built of coloured porcelain, Height 75 meters.



Taken with the Meyer Aristostigmat Series F/4.5

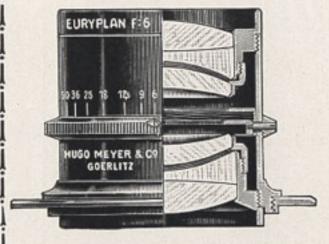
The Ullswater Foxhounds

By the misty mountains of Westmoreland

Meyer F/6.8 Double-Anastigmat

		Length	jo.	Plate c	overed				Prices	with	iris d	iaph	ragm			
No.	Aperture	Focal Len	Diameter	at full	with smallest	Stand	ard mount	Focussi	ng mount	Sunk	mount	Ibsor	Shutter	Compur Shu	tter	Adapter Rings
	Ap	1	inches	aperture	stop inches		Code word		Code word		Code word		Code word		ode ord	Ad
0 e 0 d 0 c	F/6-8 F/6-8	1 5/8 2 3/8 2 3/4	1/ ₄ 3/ ₈ 7/ ₁₆	1 5/8×1 5/8 2 3/8×2 3/8 2 3/8×2 3/8	$\begin{array}{c} 2 \times 2 \\ 3^{1/4} \times 2^{3/4} \\ 3^{1/2} \times 2^{3/4} \end{array}$		Varna Vaduz Vada		Babel Baby Bagdad		David Dahlie Daben		Gabel Gablonz	Ha Ha	nd ndel	
0 b 0 a 0	F/6-8 F/6-8 F/6-8	3 1/2 4 1/8 4 3/4	1/ ₂ 5/ ₈ 3/ ₄	$3^{1/2} \times 2^{3/8}$ $3^{1/2} \times 3^{1/2}$ $4^{3/4} \times 3^{1/2}$	5×4 ³ / ₄ 6×4 7×5		Vagus Vago Vahlen		Baal Bachem Bach		Dame Dakel Dampf		Gabe Gabor Gabriel	10700	ardt dlung ag	
1 a 1 2 a	F/6-8 F/6-8 F/6-8	5 1/4 6 6 1/2	3/4 7/8 15/16	5×4 6×4 6 ¹ / ₂ ×4 ³ / ₄	81/2×61/2 91/2×7 91/2×7		Valbert Vase Vaida		Balane Baldur Bad	September 1	Dandy Daniel Dank		Gage Galban Gans	Ha Ha Ha	bit	
2 3 4	F/6-8 F/6-8 F/6-8	7 8 1/4 9 1/2	1 1/8 1 1/4 1 3/8	7×5 8 ¹ / ₂ ×6 ¹ / ₂ 9 ¹ / ₂ ×7	$\begin{array}{c} 10^{3/4} \times 8^{1/2} \\ 12 \times 9^{1/2} \\ 13 \times 10^{3/4} \end{array}$		Valera Vallid Vallum		Balkon Ballet Ballo		Dante Darm Dattel		Galeote	Ha Ha Ha	The State of the S	
5 6 7	F/6-8 F/6-8 F/7-7	10 ³ / ₄ 12 14	1 5/8 1 13/16 2	10 ³ / ₄ ×8 ¹ / ₂ 12×9 ¹ / ₂ 14×12	16×12 18×12 ⁵ /s 20×16		Vampir Vanad Vanloo	TI	ne focal l	The second second	A COLUMN TO SERVICE AND ADDRESS OF THE PARTY			iitable for		
8 9 10	F/7-7 F/7-7 F/7-7	16 1/2 19 24	2 1/4 2 9/16 3 1/4	16×12 17 ¹ / ₂ ×16 24×20	24×18 25×20 30×25		Vapeur Varrazze Valpo	T	wo lense		ereosco be paire per j	d at t		of		
11	F/7.7	30	4	28×22	42×30	3 (7)	Varde									

The Meyer F/6 Euryplan



A universal anastigmat of wide aperture. For Portraits, groups, landscapes, architecture, enlarging and reproducing, snapshot work, colour Photography from nature and by the three-colour process etc.

Symmetrical design. Angle 850

The special feature of the Euryplan construction lies in the fact that by this design the use of three distinct varieties of glass of different refractive index, which has been essential in the case of all previous double-triplet lenses, is avoided. For the three lenses contained in each component of the Euryplan only two distinct varieties of glass are employed. Further, the one variety from which the four positive lenses are made is of such a nature that a relatively very small dispersion is combined with a very high refractive index.

From this fact arise the advantages of the Euryplan, namely, wide aperture, with critical central definition, combined with a high degree of colour correction. Owing to the very small dispersion produced by the four positive lenses the correction which must be applied for any given colour is very little different from that required for any other part of the spectrum. By virtue of this fact, the Euryplan naturally occupies a first place amongst the lenses which are suitable

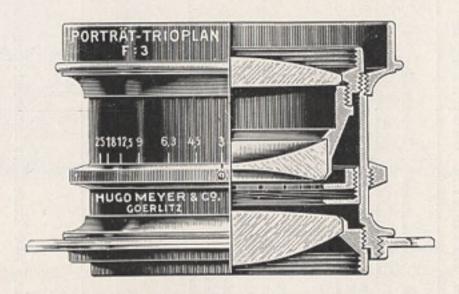
for the three colour process.

The Euryplan construction is, however, especially characterised by the degree to which the spherical aberration of oblique rays (coma) has been eliminated. The components of the Euryplan lens enjoy the reputation of forming most excellent landscape lenses of aperture about F/11. The complete elimination of coma in the Euryplan components is strikingly shown by the fact that at full aperture the image given by the single component literally equals, in fact almost surpasses, in brilliancy that of the double lens.

Meyer F/6 Euryplan

	T FOR IN	t.	s de la		Plate c	overed			Pric	es	with	iris	diap	hrag	m		
No.	Aperture	Focal Length	Focal Length of the single components	Diameter of lenses	at full	with smallest	Standard mount		Focussir	-	Sunk n	nount	IbsorS	Shutter	Con	npur tter	Adapter Rings
	V	inch.	inches	inch	inches	inches -	Co			Code vord		Code word		Code word		Code word	AN
000 00 0a	F/6 F/6 F/6	2 3/8 3 1/2 4 1/8	4 1/8 6 3/16 7 3/16	3/8 9/16 11/16	23/8×15/8 31/2×23/8 4×31/4	3 ¹ / ₂ ×2 ³ / ₈ 4 ³ / ₄ ×3 ¹ / ₂ 6×4	Fai Fai Fai	g		ab ast aeta		Hab Hadria Hagar		Cabot Cabul Cacus		Kate Keil Kemp	
0 1a 1	F/6 F/6 F/6	4 ³ / ₄ 5 ¹ / ₄ 6	8 ¹ / ₄ 9 ¹ / ₄ 10 ⁵ / ₁₆	3/ ₄ 7/ ₈	4 ³ / ₄ ×3 ¹ / ₂ 5×4 6×4	61/2×43/4 7×5 81/2×5	Fai	nny ro nna	G	ale aldus ambia		Haiti Hal Hals		Caddik Cadiz Caen		Ker Kidd Kiel	
2 a 2 3	F/6 F/6 F/6-3	6 1/2 7 8 1/4	11 ¹ / ₄ 12 ³ / ₈ 14 ³ / ₈	1 ¹ / ₁₆ 1 ¹ / ₈ 1 ⁵ / ₁₆	6 1/2×4 3/4 7×5 8 1/2×6 1/2	81/2×61/2 91/2×7 103/4×81/2	Far Fel Fel	lix	G	ant aul aza	PERM	Halys Hamlet Hanau				Kirby Kist Knox	
4	F/6-3	91/2	A CONTRACTOR OF THE PARTY OF TH	1 1/2	91/2×7	12×9 1/2	Fe		G	ed		Harz				Korfu	
5	F/6-5 F/6-5	10 ³ / ₄ 12	185/s 201/2	1 ⁵ / ₈ 1 ¹³ / ₁₆	9 ⁷ / ₈ ×8 ¹ / ₂ 10 ¹ / ₄ ×9 ¹ / ₂	14×12 16×12	Fe	stus –									
7 8 9	F/6-5 F/6-5 F/6-8	14 16 1/2 19	25 29 33 1/4	2 3/16 2 9/16 2 3/4	12×10 ^{1/4} 14×12 17×13	17×13 20×16 22×17	The state of the s	des nch ora	Pa	iring	two le	nses fo	extra	eoscopic	work		
10	F/6-8	24	41 1/4	3 1/2	22×16	28×24	Fo	1									

The Meyer F/3-3.8 Portrait Trioplan



A special Anastigmat of extreme aperture for home and studio Portraiture.

With medium stops these lenses may also be used satisfactorily for small groups.

In the Portrait Trioplan at full aperture, astigmatism, coma, spherical aberration and curvature of field are eliminated within an angle of about 40° and within about 65° when stopped down suitably.

The lens is also almost completely free from chromatic aberration, so that even for colour Photography the Trioplan will prove eminently satisfactory.

These lenses give images of pleasing drawing and fine modelling, so that they can be used to obtain most artistic results. For this reason they should not be absent from any well-equipped studio, since they make it possible to produce exceedingly fine work under very unfavourable conditions.

In conjunction with focal plane Cameras, particularly those of the reflex type, the lens is very valuable for extremely high-speed work press Photography etc.

Meyer F/3-3-8 Portrait Trioplan

No.	Focal length	Aperture		Size of Picture	Standard Mount with iris diaphragm	Focussing Mount	Sunk Mount	Compound Shutter	a flange
	inch.	Ap	Plate inches		Code word	Code word	Code word	Code word	Extra
000 0 1 a	3 4 ³ / ₄ 5 ¹ / ₄	F/3 F/3 F/3	2 ³ / ₈ ×1 ³ / ₄ 3 ¹ / ₂ ×2 ³ / ₈ 3 ¹ / ₂ ×2 ³ / ₈	For focal plane Cameras	Wade Waddy Wadel	Webel Webing Weder	Wiege Wiese Wirt	Woge Wodan Wolke	
1 2 a 2	6 6 ½ 7	F/3 F/3 F/3	4×3 ¹ / ₄ 4 ³ / ₄ ×3 ¹ / ₂ 4 ³ / ₄ ×3 ¹ / ₂	For focal plane Cameras For C de V's in short studios For C de V's in medium studios	Wallis Wagen Walter	Wedding Wef Wegis	Wind Wist Wicke	Wolle Wolga Wolf	
3 5 6	8 1/4 10 1/2 12	F/3 2 F/3-3 F/3-5	6×4 ¹ / ₄ 7×5 8 ¹ / ₂ ×7	For C de V's in normal studios For cabinets in short studios For cabinets in normal studios	Wasch Watt Wage	Wego	Wild	Wonne Wofa	
7 8 9	14 16 ½ 19	F/3-6 F/3-8 F/3-8	8 1/2×6 1/2 9 1/2×7 10 3/4×8 1/2	For boudoir portraits in short studios For boudoir portraits in normal studios Imperial	Wagner Walküre Waffe				

By special request our F/3 Portrait Trioplan Lenses of focus $10^{1/2}$ "— $16^{1/2}$ " can be furnished with soft focus device; the prices are then raised by

Meyer F/4.5 Trioplan



Angle 650 (approx.)

An anastigmat of high speed, extremely useful for instantaneous work, Portraits in the Studio, small Groups and Landscapes.

The short foci are best suited for Folding Hand Cameras, whereas the longer foci are used with best success for studio work.

The Trioplan F/4·5 is spherically, chromatically and anastigmatically corrected.

The moderate price of this lens will appeal to those unable to purchase the more expensive optical equipment.

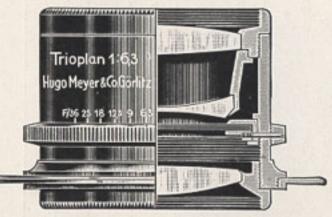
Meyer F/4.5 Trioplan

	gth	Plate c	overed		Prices	s with iris	diaphragn	n	
No.	Focal length	at full	with small	Standard mount	Focussing mount	Sunk mount	Ibsor shutter	Compur shutter	Extra
	inch.	aperture	stop inches	Code word	Code word	Code word	Code word	Code word	EE
000	3	23/s×15/s	23/s×23/s	Irma	Kanne	Lore	Nadel	Olga	
00	31/2	23/8×23/8	3 1/2×2 3/8	Igel	Krone	Lopa	Natter	Olive	
0a	41/8	3 1/2×2 3/8	3 1/2×3 1/2	Irene	Kabel	Liliput	Naxos	Olymp	
0	43/4	31/2×31/2	43/4×31/2	Ideal	Kadett	Lord	Nero	Opal	
1a	51/4	43/4×31/2	5×4	Iltis	Kiefer	Lloyd	Nixe	Orange	
1	6	43/4×43/4	51/2×43/4	Insel	Klette	Lyra		Ofen	
2a	61/2	5×4	6×4	Indien	Kohle	Last		Orkan	
2	7	6×4	7×5	Idyll	Kobold	Lanze		Oran	
3	81/4	7×5	8 ¹ / ₂ ×5	Ika	Kolbe	Lied		Orgel	
4	10 1/2	8 1/2×6 1/2	91/2×7	Juwel				Oktav	
6	12	91/2×7	103/4×81/2	Jockey				Oktober	
7	14	12×91/2	13×10	Jager					

Pairing two lenses for Stereoscopic Work

extra.

The Meyer F/6.3 Trioplan



Angle of view about 65° degrees.

An all-round instantaneous lens at a low price.

Anastigmatic correction throughout the field Wide field of definition Brilliant Pictures

Finest optical and mechanical work / Great depth of focus.

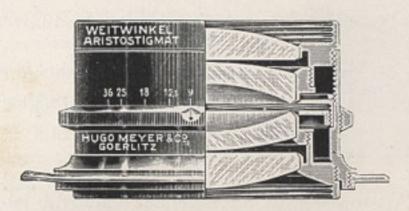
These lenses give an excellently corrected field at their full aperture of $F/6 \cdot 3$. They are constructed from highly transparent Jena glass. On account of their small bulk the Short foci of the series are exceedingly useful as hand-camera lenses, whilst the objectives of longer focus are well suited for portraits and groups.

	lent s	ter	Plate o	covered	Pri	ces with iri	s diap	hragm	flange
No.	Equivalent	Diameter of lenses	with full	with smallest	Stand	ard mount	Ibsor	shutter	Extra fl
	inch.	inch.	aperture inches	stop inches		Code word		Code word	Ex
000 00a 00	2 3/8 3 3 1/2	3/8 1/2 17/32	15/8×15/8 23/8×15/8 23/8×23/8	$2^{3/8} \times 1^{5/8}$ $2^{3/8} \times 2^{3/8}$ $3^{1/2} \times 2^{3/8}$		Xamen Xals Xang		Sperz Spende Sperber	
0a 0 1a	4 1/4 4 3/4 5 1/4	11/ ₁₆ 13/ ₁₆ 7/ ₈	$3^{1/2} \times 2^{3/8}$ $3^{1/2} \times 2^{3/8}$ $4^{3/4} \times 3^{1/2}$	4×3 ¹ / ₄ 4 ³ / ₄ ×3 ¹ / ₄ 5×4		Xander Xutos Xions		Speer Sperling Spessart	
1 2a 2	6 6 ½ 7	1 1 ¹ / ₁₆ 1 ³ / ₁₆	5×4 6×4 6 ¹ / ₂ ×4 ³ / ₄	6×4 6 ¹ / ₂ ×4 ³ / ₄ 7×5		Xingu Xmas Xerxes		Speicher Sperre Speigatt	
3 4 5	8 1/4 9 1/2 10 3/4	13/8 19/16 13/4	7×5 8 ¹ / ₂ ×6 ¹ / ₂ 9 ¹ / ₂ ×7	81/2×61/2 81/2×7 10×8		Xaml Xant Xalapa		Spinne	
6	12 14	2 2 ⁵ / ₁₆	10 ³ / ₄ ×8 ¹ / ₂ 12×9 ¹ / ₂	12×9 ¹ / ₂ 14×12		Xalisco Xanten			

Pairing two lenses for stereoscopic work,

extra per pair.

The Meyer F/9 Wide-Angle Aristostigmat



An excellent wide angle anastigmat of maximum aperture F/9, covering an angle of about 100°.

It possesses complete anastigmatic, spherical and chromatic

corrections and is entirely free from distortion.

Its relatively high aperture renders the Wide-Angle Aristostigmat capable of snapshot exposures. The lens is essentially designed for architectural subjects, interiors, landscapes and reproductions and for Photogrammetric work. It is indispensable for work at close quarters when the subject to be taken embraces an abnormally wide angle of view. In this construction we are placing upon the market a wide angle lens which, whilst providing an aperture previously unattained in lenses of this type, serviceably covers an angle of about 100°.

Fequivalent focus	At full	Standard or sunk mount	Vario- Shutter	Ibsor-Shutter	Compur- Shutter	Adapter
inch.	aperture	Code word	Code word	Code word	Code word	A
3 1/8 4 4 3/4	4 ³ / ₄ ×3 ¹ / ₂ 6×4 7×5	Zirpe Zicke Zirkel	Wabe Wache Wachtel	Wallone Walnuß Walze	Wespe Wette Weste	
5 1/4 6 3/8 7	81/2×61/2 9×7 10×8	Zimmer Ziege Ziel	Waffel Wahl	Wange Wanne Warte	Wimpel Winkel Winzer	
77/8 91/2 103/4	12×9 ¹ / ₂ 14×12 16×12	Zink Zitter Ziegel		Weiche	Winter Wirbel Wirt	

The Wide-Angle Aristostigmat can be fitted to hand-cameras with between Lens Shutters such as Compur, Vario, Acme, Kodak etc. shutters and then forms a valuable complement to the photographer's high-class equipment. In this case the ordinary mount is not supplied but the lenses are sent out instead in a flat case into which they can be conveniently inserted.

Meyer F/7·7 Aristoplanat



Angle 650 (Approx.)

A moderately priced universal lens.

Suitable for snapshot work, landscapes, architecture, groups, portraits etc.

The Aristoplanat is an excellent aplanatic lens, which maintains in design and construction the high standard of our products. It is therefore a most serviceable lens.

The smaller models can be used in folding hand cameras.

	lent	ter	Plate c	overed	Pri	ces with in	ris diaphr	agm
No.	Equivalent	Diameter of lenses	with medium	with smallest	Standa	ard mount	with Var	io shutter
	inch.	77 76 8	stop inches	stop inches		Code word		Code word
1	41/4	9/16	3 1/2×2 3/8	4×31/4		Zabel		Spindel
2	51/4	3/4	43/4×31/2	5×4	*	Zabrus		Sprosse
3	6	13/16	5×4	6×43/4		Zabig		Spreize
4	6 1/2	7/8	6×4	6 ¹ / ₂ ×4 ³ / ₄		Zahl		Sprenke
5	71/8	1	61/2×43/4	7×5		Zappel		Sprotte
6	8 1/4	1 1/8	7×5	81/2×5		Zadok		Sprudel
7	9 1/2	11/4	8 1/2×5	91/2×61/2		Zange		
8	103/4	13/8	81/2×61/2	101/2×81/2		Zacken		
9	12	15/8	91/2×7	12×9 1/2	The state of the s	Zafra		
10	18	1 3/16	12×91/2	16×12		Zahna		

Pairing two lenses for stereoscopic work

extra per pair.

CASKET LENSES

THE CASKET LENS IN GENERAL

The professional Photographer, and also the advanced amateur, is often faced by subjects which cannot be properly treated with a single lens, and especially is this the case with outdoor subjects. For most workers it is not always possible to keep at one's disposal a wide choice of lenses and, in any case, the carrying of a number of instruments is a troublesome inconvenience. For all occasions of this sort the casket lens provides a welcome solution of the difficulty. This method depends, as it is hardly necessary to explain, upon the combination of lens components of differing focal lengths to produce semi-symmetrical doublets. In this way the casket lens enables one to surmount many difficulties. By virtue of its long focal lengths it, so to speak, bridges over long distances and thus fulfils the purpose of a telephoto lens; in other circumstances it may be used as a substitute for a wide angle lens in overcoming the difficulties of Photography in confined areas.

The requirements of artistic perspective can be much more adequately met by means of a casket lens than with a single lens, because the various focal lengths can be selected to conform to the requirements of each individual subject.

Since the number of lenses now on the market which are so corrected as to permit the formation of lens sets is already small and is still decreasing, this type of lens nowadays finds very little use, a fact to be regretted, since it is a form which is undoubtedly invaluable, especially for serious amateurs.

Among the few types of lenses which are really suitable for use in casket form, the Euryplan construction is preeminent. Euryplan Components. As has already been remarked in the description of the Euryplan lens, one of the principal advantages of this design is the exceptionally thorough correction of the single components, in respect to spherical and chromatic aberrations, astigmatism and coma. This feature has the effect that the image thrown by the single component at full aperture is absolutely equivalent in brilliance and sharpness to that given by the double combination.

Euryplan Doublets. It is to this fact that the exceptional suitability of Euryplan elements for combined use as lens sets is due.

The following pages set forth the combinations that are most usually adopted. But, according to the special purposes which a set may be desired to serve, these forms may be varied by the choice of any other combination of components that may be preferred.

Mounting. With a view to the easy interchange of the components Euryplan sets are furnished with a quick release, (Bayonet mount) requiring only a quarter turn. Even when gloves are being worn, the lenses can be put in or removed without the slightest difficulty. This method of mounting also ensures that the lens is kept accurately centred.

Stops. The apertures are marked in millimetres and, by reference to a table which is supplied with each set, the relative aperture corresponding to the particular setting of the diaphragm and lens combination used, may immediately be read off.



Meyer Euryplan Sets



The following casket sets have proved, in our experience, to provide the focal lengths which are most generally useful. However, for any special requirements which may be met with, any other desired combination can be supplied.

Euryplan Sets for plate $4\frac{1}{4} \times 3\frac{1}{4}$ size

Size I	Combi	ination	Focus		For P	lates
consisting of three Eury- plan Components Nos. 00, 0 and 1.	Front lens	Back	of Double lens	Full Aper- ture	Full Aperture	Small stops
Price, including leather case	inches	inches	inches		inches	inches
a) in standard mount	_	10 1/2	10 1/2	F/11	81/2×61/2	12×10
Code word: Aval	_	81/4	81/4	F/11	6×4	10×7
	_	61/4	61/4	F/11	43/4×31/2	7×5
b) in Compur Shutter	101/2	81/4	51/4	F/6.5	5×4	7×5
Code word: Avance	10 1/2	61/4	43/4	F/7-5	43/4×31/2	61/2×43/4
	81/4	61/4	4 1/8	F/o-8	4×3	5×4
Size II		11 1/4	11 1/4	F/11	8 1/2×6 1/2	14×12
consisting of four	-	91/2	9 1/2	F/11	7×5	11×8
Euryplan Components		71/4	71/4	F/11	6×4	8×61/2
Nos. 00, 0, 1a and 2a. Price, includ.leather case		61/4	61/4	F/11	41/4×31/4	7×5
a) in standard mount	111/4	91/2	6	F/6-5	6×4	8×5
Code word: Avaren	111/4	71/4	51/4	F/7-7	5×4	7×5
	91/2	71/4	43/4	F/7	41/4×31/4	7×5
b) in Compur Shutter	91/2	61/4	41/2	F/7.2	41/4×31/4	61/2×43/4
Code word: Axel	71/4	61/4	33/4	F/6-3	31/2×21/2	43/4×31/2

Euryplan				43	_		111777		
Size III	For	cal gth	Equival, focal length of the combination	Maximum Relative aperture	Angle presented by 5×4 plate approx.	PI		overe	,
consisting of 3 Euryplan	lens	ns	al. f	Maximum ative apert	4 pl	PI	ate c	overe	a
lenses, Nos. 0, 1 and 2.	4	le le	puiv my	laxi	5XX	at full on	autuma	at small a	noutru
Price including leather case:	Front	Back lens	e ler	Melat	by by	The state of the s			
a) in standard mount	ш.	Section 1	ins.	9/7/201	1155500.8000	ins.	cm.	ins.	cm.
Code word: Axinit		123/8	11112501111	F/11	330	81/2×61/2	PROPERTY OF STREET	Constitution of the	30×40
		101/4		F/11	38	81/2×61/2	STATE OF THE PARTY	NO STREET, STR	24×30
b) in Compur shutter		81/4	Francisco Control	F/11	47	In Color of the Color of the	Proposition of the Control	81/2×61/2	ALC: UNKNOWN
Code word: Axion	100000000000000000000000000000000000000	101/4	100 miles (100 miles)	F/6.5	57	35/5/50 NE 95/45/50 NE	ICS SCHOOL SCHOOL	81/2×61/2	
Code word. Axion	123/8	- DASSES		F/7-5	61	51/2×31/2	Debt Service	The second second second	13×21
	101/4	81/4	51/4	F/6.5	68	5×4	10×13	7×5	13×18
Size IV		$12^{3/8}$	123/8	F/11	330	81/2×61/2	18×24	15×12	30×40
consisting of 4 Euryplan		$10^{1/4}$	101/4	F/11	38	81/2×61/2	16×21	12×10	24×30
lenses, Nos. 00, 0, 1 and 2.		81/4	81/4	F/11	47	51/2×31/2	10×15	81/2×61/2	18×24
Price including leather case:	1838	$6^{3}/16$	63/16	F/11	60	41/4×31/4	9×12	7×5	13×18
a) in standard mount	123/8	101/4	61/2	F/6-5	57	61/2×43/4	12×16	81/2×61/2	16×21
Code word : Azalie	123/E	81/4	57/8	F/7-5	61	51/2×31/2	10×15	71/2×5	13×21
	101/4	81/4	51/4	F/6-5	68	5×4	10×13	7×5	13×18
b) in Compur shutter Code word: Azot	101/4	63/16	43/4	F/7.5	74	41/4×31/4	9×12	61/2×43/4	12×10
		63/16 an				× 5 si		51/2×31/2	10×1:
Eur Size V	yp] Fo	lan	Set	s fo	or 7	× 5 si	ize	51/2×31/2	
Eur	yp] Fo	an cal gth	Set	s fo	or 7	× 5 si	ize		
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive	yp] Fo	an cal gth	Set	s fo	b presented 7x5 plate	× 5 si	ize		d
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case:	yp]	lan		s fo		× 5 si	ize	overe	d
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount	yp] Fo	an cal gth	Zet length of the combination	s fo	b presented 7x5 plate	× 5 si	ate o	overe atsmall a	d pertur
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case:	yp] Fo	Back lens that gard	Set Equival. focal selength of the combination	Maximum Relative aperture	Angle presented by 7×5 plate approx.	× 5 si	ate of contract cm.	at small a ins.	d
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount	yp] Fo	an cal gth suel you	Set Ednival. focal sensitive the combination 143/s	Relative aperture	Angle presented by 7×5 plate approx.	× 5 si	ate of certure cm. 21×27 18×24	at small a ins. 17×14 15×12	d pertur em. 35×45
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount	Front lens lens lens lens lens lens lens lens	cal gth sual young 143/s 123/s	Set Ednival focal sins 143/8 123/8 101/4	Relative aperture	Angle presented 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	× 5 si P1 at full ag ins. 10×8 81/2×61/2	ate of certure cm. 21×27 18×24	at small a ins. 17×14 15×12 12×10	d pertur cm. 35×43
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur	Front lens 143/8	eal gth sup young 143/s 123/s 101/4	Set Set Set Fednival focal sins 143/s 123/s 101/4 75/s	S for Maximum Relative aperture	Angle presented Angle presented Angle by 7×5 plate Approx.	× 5 si P1 at full ar ins. 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂	ate of contract of the contrac	at small a ins. 17×14 15×12 12×10	d em. 35×4: 30×4: 24×3: 20×2:
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur b) in Compur shutter	Four lens 143/8 143/8	an sual young 143/s 123/s 101/4 129/s	Set Set Set Fedrival focal 143/s 123/s 101/4 75/s 7	s fo Waximum F/11 F/11 Relative sperture	Angle presented Angle presente	× 5 si P1 at full ag ins. 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 7×5 7×5	erture cm, 21×27 18×24 16×21 13×18 13×18	at small a ins. 17×14 15×12 12×10 10×8	d pertur em. 35×4: 30×4: 24×3: 20×2: 18×2:
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur b) in Compur shutter	Four lens 143/8 143/8	cal gth sua you go yo you go y	Set Set Set Fednival focal 143/s 123/s 101/4 75/s 7 61/2	S fo maximum F/11 F/6-5 F/7-2	Angle presented Angle presente	× 5 si P1 at full ag ins. 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 7×5 7×5	erture cm, 21×27 18×24 16×21 13×18 13×18	at small a ins. 17×14 15×12 12×10 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂	d pertur em. 35×4: 30×4: 24×3: 20×2: 18×2: 16×2:
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur b) in Compur shutter Code word: Attila Size VI consisting of 4 Euryplan	Four lens 143/8 143/8	cal gth Supply 143/s 123/s 101/4 101/4	Set Set Set Set Set Set Set Set	s fo Waximum F/11 F/6-5 F/6-5 F/6-5	Angle presented	× 5 si P1 at full ag ins. 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 7×5 7×5 6 ¹ / ₂ ×4 ³ / ₄	erture cm, 21×27 18×24 16×21 13×18 13×18 12×16	at small a ins. 17×14 15×12 12×10 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 17×14	d pertur em. 35×4: 30×4: 24×3: 20×2: 18×2:
Eur Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur b) in Compur shutter Code word: Attila Size VI consisting of 4 Euryplan lenses, Nos. 0, 1, 2 and 3.	Four lens 143/8 143/8	cal gth sup you go 143/s 123/s 101/4 101/4 143/4	Set Set Set Isolar February Set 143/s 101/4 75/s 7 61/2 143/4 123/s	s fo maximum F/11 F/6-5 F/6-5 F/6-5	Angle presented Angle presente	× 5 si P1 at full agains. 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 7×5 7×5 6 ¹ / ₂ ×4 ³ / ₄ 10×8	ate of certure cm. 21×27 18×24 16×21 13×18 12×16 21×27 18×24	at small a ins. 17×14 15×12 12×10 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 17×14 15×12	d perturem. 35×4: 30×4: 24×3: 20×2: 18×2: 16×2: 35×4: 30×4:
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur b) in Compur shutter Code word: Attila Size VI consisting of 4 Euryplan lenses, Nos. 0, 1, 2 and 3. Price inclusive	Four lens 143/8 143/8	cal gth sup your 143/s 101/4 101/4 123/s 143/4 123/s	Set Set Set Set Idah Set 143/s 101/4 75/s 7 61/2 143/4 123/s 101/4	S for Maximum F/11 F/11 F/6-5 F/7-2 F/6-5	Angle presented Angle	× 5 si P1 at full ag ins. 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 7×5 7×5 6 ¹ / ₂ ×4 ³ / ₄ 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂	ate of certure cm, 21×27 18×24 16×21 13×18 12×16 21×27 18×24 16×21	at small a ins. 17×14 15×12 12×10 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 17×14 15×12	d perturem. 35×4. 30×4/ 24×3 20×2 16×2 35×4. 30×4/ 24×3
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur b) in Compur shutter Code word: Attila Size VI consisting of 4 Euryplan lenses, Nos. 0, 1, 2 and 3. Price inclusive of leather case:	Fo len sual tuority 143/s 143/s 123/s	cal gth Supply S	Set Set Set Ins. 143/s 123/s 101/4 75/s 7 61/2 143/4 123/s 101/4 123/s 101/4 123/s	S fo waximum F/11 F/6-5 F/6-5 F/11 F/11 F/11	Angle presented Angle presente	× 5 si P1 at full agains. 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 7×5 7×5 6 ¹ / ₂ ×4 ³ / ₄ 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 5 ¹ / ₂ ×3 ¹ / ₂	erture cm. 21×27 18×24 16×21 13×18 12×16 21×27 18×24 16×21 10×15	at small a ins. 17×14 15×12 12×10 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 17×14 15×12 12×10	d perturem. 35×4 30×4 24×3 20×2 16×2 35×4 30×4 24×3 18×2
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur b) in Compur shutter Code word: Attila Size VI consisting of 4 Euryplan lenses, Nos. 0, 1, 2 and 3. Price inclusive	Folen: 143/8 143/8 123/8	cal gth sup you 143/s 123/s 101/4 123/s 101/4 123/s 101/4 123/s 101/4 123/s	Set Set Set Isolar part of the property of	S fo maximum F/11 F/6-5 F/6-5 F/11 F/11 F/11	7 Angle bresented Angle bresented 46 59 63 68 89 65 59 65 59	× 5 si P1 at full agains. 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 7×5 7×5 6 ¹ / ₂ ×4 ³ / ₄ 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 5 ¹ / ₂ ×3 ¹ / ₂	ate of certure cm, 21×27 18×24 16×21 13×18 12×16 21×27 18×24 16×21 10×15 13×18	at small a ins. 17×14 15×12 12×10 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 17×14 15×12 12×10 8 ¹ / ₂ ×6 ¹ / ₂	d em. 35×4 30×4 24×3 20×2 16×2 35×4 30×4 24×3 18×2 20×2
Eur Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur b) in Compur shutter Code word: Attila Size VI consisting of 4 Euryplan lenses, Nos. 0, 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Attist	Fo leng 143/8 143/8 123/8	eal gth sup You 143/s 123/s 101/4 123/s 101/4 123/s 101/4 123/s 101/4 123/s	Set Set Set 143/s 123/s 101/4 75/s 7 61/2 143/4 123/s 101/4 75/s 7 7 7 7 7 7 7 7 7 7 7 7 7	s fo wmmin Maximum F/11 F/6-5 F/6-5 F/11 F/11 F/11 F/11 F/11 F/6-5	7 Angle bresented Angle bresented 8 21° 37 46 59 63 68 55 59 63 68 68 68 68 68 68 68 68 68 68 68 68 68	× 5 si P1 at full ag ins. 10×8 8½×6½×6½ 7×5 7×5 6½×4¾ 10×8 8½×6½ 5½×6½ 5½×3½ 7×5 7×5 7×5	erture cm. 21×27 18×24 16×21 13×18 12×16 21×27 18×24 16×21 10×15 13×18 13×18	at small a ins. 17×14 15×12 12×10 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 17×14 15×12 12×10 8 ¹ / ₂ ×6 ¹ / ₂ 10×8	d perturem. 35×4: 30×4: 24×3: 20×2: 16×2: 35×4: 30×4: 24×3: 18×2: 20×2: 18×2:
Size V consisting of 3 Euryplan lenses, Nos. 1, 2 and 3. Price inclusive of leather case: a) in standard mount Code word: Azur b) in Compur shutter Code word: Attila Size VI consisting of 4 Euryplan lenses, Nos. 0, 1, 2 and 3. Price inclusive of leather case: a) in standard mount	Fo len sup tuo.L. 143/s 143/s 123/s 143/4 123/s	cal gth sup you get 143/s 123/s 101/4 123/s 101/4 123/s 101/4 123/s 101/4 123/s 101/4	Set Set Set 143/s 123/s 101/4 75/s 7 61/2 143/4 123/s 101/4 75/s 7 61/2 61/2	S fo maximum F/11 F/6-5 F/6-5 F/11 F/11 F/6-5 F/7-2	7 Angle presented Angle presented 8 8 9 9 1 2 2 5 9 6 3 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8 6 8	× 5 si P1 at full ag ins. 10×8 8½×6½×6½ 7×5 7×5 6½×4¾ 10×8 8½×6½ 5½×6½ 5½×3½ 7×5 7×5 7×5	erture cm. 21×27 18×24 16×21 13×18 12×16 21×27 18×24 16×21 10×15 13×18 13×18 13×18	at small a ins. 17×14 15×12 12×10 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 17×14 15×12 12×10 8 ¹ / ₂ ×6 ¹ / ₂ 10×8 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂	d perturem. 35×4: 30×4: 24×3: 20×2: 16×2: 35×4: 30×4: 24×3: 18×2: 20×2: 18×2:

Euryplan Sets for 10 × 8 size

		length	ent focal of the nation	mum	field pre- ra 10×8 prox.*)	PI	late	covere	d
	Front lens	g. Back lens	Equivale Flength Combin	Maximum relative apert	Angle of f sented by plate ap	at full ag	erture em.	at small a	perture cm.
Size VII consisting of 4 Euryplan lenses, Nos. 2a, 3, 4, 5. Price inclusive of case a) in standard mount Code word: Aar b) in Compur shutter	18 ¹ / ₂ 18 ¹ / ₂ 16 ¹ / ₂ 16 ¹ / ₂ 14 ³ / ₈	18 ¹ / ₂ 16 ¹ / ₂ 14 ³ / ₈ 11 ¹ / ₄ 16 ¹ / ₂ 14 ³ / ₈ 14 ³ / ₈ 11 ¹ / ₄ 11 ¹ / ₄	18 ^{1/2} 16 ^{1/2} 14 ^{3/8} 11 ^{1/4} 10 9 ^{1/2} 8 ^{7/8} 7 ^{7/8} 7 ^{3/8}	F/12 F/11 F/11 F/6-3 F/6-8 F/6-5 F/7-2 F/6-8	35° 41 45 55 62 65 67 74 75	$\begin{array}{c} 15 \times 12 \\ 12 \times 10 \\ 10 \times 8 \\ 8^{1/2} \times 6^{1/2} \\ 8^{1/2} \times 6^{1/2} \\ 8^{1/2} \times 6^{1/2} \\ 8^{1/2} \times 6^{1/2} \\ 7 \times 5 \\ 7 \times 5 \end{array}$	18×24 18×24 16×21 13×18		45×55 40×50 35×45 30×36 24×30 24×30 21×27 21×27 18×24

*) These angles are calcu ated for a plate 18×24 cm (i. e., $7\times9^{1}/2$ inches) and are therefore only approximale.

Euryplan Paired Sets

for Stereo Exposures each consisting of a pair of Euryplan components Nos. C00, 00, 0 and 1

Combination of the Stereo-Lens =	= Give a stereoscopic pair of equiv. focal length	Aper-	at full a		overed	
	inches		inches	cm.	inches	em.
Front lens $\frac{10^{1/4}}{8^{1/4}} + \frac{10^{1/4}}{8^{1/4}}$	51/4	F/6-5	5×4	10×13	7×5	13×18
Front lens 101/4 101/4 Back lens 63/16 63/16	A3/.	F/7-5	4 1/4×3 1/4	. 9×12	6 1/2×4 3/4	12×16
Front lens 81/4 81/4 Back lens 63/16 63/16	41/8	F/6-8	4 1/4×3 1/4	8×10	5 1/2×3 1/2	10×15
Front lens 81/4 81/4 Back lens 41/8 41/ε	31/2	F/8-5	3 1/2×2 1/2	6×9	41/4×31/4	9×12
Front lens $\frac{6^{3/16}}{8^{1/8}}$ $\frac{6^{3/16}}{4^{1/8}}$ $\frac{6^{3/16}}{4^{1/8}}$	7 13/40	F/7.5	2 1/2×2 1/2	6×6	3 1/2×2 1/2	6×9

Single Combinations

	P. S. P. S. S. S. S.							
Price inclusive of case a) in standard mount Code word: Alma	Front Back lens lens		Equivalent focal ength of the combination	Aperture	Plate covered at full aperture at small aperture			
b) in Stereo-Compur	inches	inches	inches		inches	em.	inches	cm.
shutter Code word: Altar c) in Stereo-Ibso shutter Code word: Altai	10 1/4 10 1/4 8 1/4 8 1/4 6 3/16 6 3/16 4 1/8	10 1/4 8 1/4 8 1/4 6 3/16 6 3/16 4 1/8 4 1/8 10 1/4 8 1/4 6 3/16 4 1/8	57/s 51/4 43/4 41/s 31/2 215/16 21/s 101/4 81/4 63/16 41/s	F/6 F/6-5 F/6 F/6-8 F/6 F/7-5 F/6 F/11 F/11 F/11	$\begin{array}{c} 5\frac{1}{2}\times3\frac{1}{2} \\ 5\times4 \\ 4\frac{1}{4}\times3\frac{1}{4} \\ 4\frac{1}{4}\times3\frac{1}{4} \\ 3\frac{1}{2}\times2\frac{1}{2} \\ 2\frac{1}{2}\times2\frac{1}{2} \\ 2\frac{5}{16}\times1\frac{3}{4} \\ 8\times6\frac{1}{2} \\ 5\frac{1}{2}\times3\frac{1}{4} \\ 3\frac{1}{2}\times2\frac{1}{2} \end{array}$	1"×15 10×13 9×12 8×10 6×9 6×6 4×6 16×21 1"×15 9×12 6×9	7 1/2×5 7×5 6 1/2×4 3/4 4 1/4×3 1/4 4 1/4×3 1/4 3 1/2×2 1/2 2 1/2×2 1/2 12×10 8 1/2×6 1/2 7×5 4 1/4×3 1/4	13×21 13×18 12×16 9×12 9×12 6×9 7×8 24×30 18×24 13×18 9×12



Code word: Ampel

Universal Casket Objectives

Highest-grade Optical and Mechanical work.

These sets must not be confused with cheap articles of the same kind on the market.

They are suitable for all descriptions of photographic subjects; also for instantaneous work in a good light. They give excellent definition and depth of focus.

Model I

consisting of 4 lenses. Provides 16 different objectives

Price Extra flange

By combining lens of focus . inches with one of focus	14 8 ³ / ₄ 7×5 12×9 ¹ / ₂ 18	14	91/2×7 10	6×4 6	14 6 4 ³ / ₄ 4 ³ / ₄ ×3 ¹ / ₂ 8 ¹ / ₂ ×6 ¹ / ₂
acts as landscape lens on plate "	16×12	12×9 1/2	91/2×7	7×5	-

Model II

Consisting of 7 lenses supplying 29 different lenses.

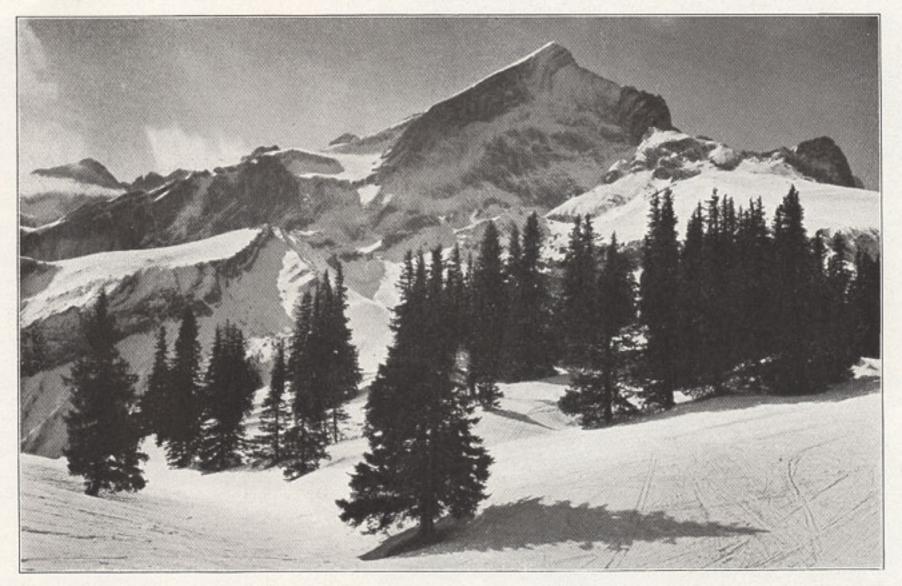
		23-15-00								
		F	Ву сог	nbining	lens o	of focu	is incl	nes		
30	26	22	18	14	10	30	26	22	18	14
			w	ith one	of foc	us inc	hes	57		
26	22	18	14	10	6	22	18	14	10	6
		the	equiv	alent fo	cus ol	btaine	d is in	nches		
14	12	10	8	6	4	13	11	9	7	5
	a	nd is u	ised a	s norm	al lens	on pl	ate si	ze inch	es	Heiler
12×9½	10×8	91/2×7	7×5	43/4×31/2	$3^{1/2} \times 2^{3/8}$	12X91/2	10×8	91/2×7	6 ¹ / ₂ ×4 ³ /	4 ³ / ₄ ×3 ¹ /
	L378	or,	as wi	de-angl	e, on p	plate s	size in	ches		
20×16	16×12	12X91/2	10×8	91/2×7	6×4	16×12	16×12	12×10	91/2×7	81/2×61/
KIR		th	e sing	gle back	lens	of foc	us inc	hes		
30	26	22	18	14	10	6			September 19	
Tive	NE IT	N B	is t	sed on	plate	size ir	ches			
27×24	24×20	20×16	16×12	12×91/2	91/2×7	7×5			13.13	



Taken with the Meyer Aristostigmat Series F/4.5

A Stirrup Cup

Meet of the Cowdray Hunt



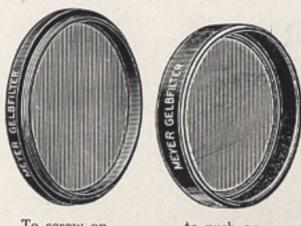
Mountain Top near Garmisch,

Bavarian Alps

Taken with Meyer Euryplan Set Series III focus 10 1/4 inches, stopped down to F/11. Exposure 1/25 sec., with Yellow Filter of medium tint (4-times).

Phot. by Photohaus Pini, Garmisch.

Yellow Light Filters



to push on

In the making of Photographs of landscapes and seascapes, of Alpine subjects and forest scenes with great contrasts of light, the use of a yellow light filter is essential, if the tone values are to be correctly rendered in the negative.

Similarly, in the reproduction of coloured pictures or paintings, a light filter is most advisable. In conjunction with such a filter

orthochromatic plates must always be employed, since no perceptible effect is given in the case of ordinary plates. Our yellow filters are made of fine optical glass which is thoroughly coloured.

The filters themselves are manufactured in the same way as lens components; they are cut out of glass blocks, are ground down till their surfaces are perfectly smooth and parallel, and are then polished and centred. This accuracy of workmanship entails a further increase in the price.

The filters are supplied in three grades:

Light, Medium and Deep.

The light tint is to be used for portraits and for landscapes that do not present any very great contrasts in light value. The exposure requires to be about doubled.

The medium tint is required for exposures in which the action of the blue and violet rays are to be more fully restrained, and necessitates from 5 to 6 times the exposure.

The deep tint is for subjects having harsh highlights against dark objects. This depth requires about ten times the exposure.

Mounting. Light Filters are supplied either in clip-on mounts or in mounts which screw into the thread of the lens barrels.

Prices for light filters (mounted):

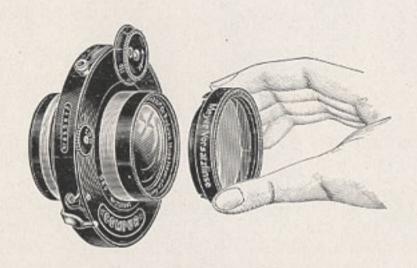
Diameter mm	19 25		31	39	44	55	65	82	100
up to inches	3/4	1	1 1/4	1 9/16	13/4	23/16	29/15	31/4	4

When light filters for use in conjunction with our lenses are being ordered, it is necessary to quote the lens number and its type of mount.

When light filters are being ordered to go with other lenses, kindly state the exact external diameter of the lens mount, or, if the filter is to be fitted with a screw thread, the front component of the lens should be forwarded.

Meyer Supplementary Lens Attachments

For increasing or decreasing the focus of Photographic Lenses.



Invaluable on the Hand Camera.

Prompted by the numerous requests which have reached us, we have decided to manufacture and market the above attachments.

These attachments are simply extra lenses which fit over the lens already mounted to the camera, thereby altering the focus, and smaller or larger images are thus obtained.

In order to obtain the greatest possible variation we have designed the following series:

Series I. Increase of Focal Length . . 30%

Series II. Increase of Focal Length . . 90%

Series III. Reduced Focal Length . . . 25%

This means that Attachment Series I. enlarges the object by 1/3 rd, compared with that of the lens fitted to the camera.

Attachment Series II. doubles the size of the image.

Attachment Series III. reduces the image by ¹/₄, without changing the position of the camera.

It must be clearly understood that attachment lenses can never fully replace the perfectly corrected lens system, such as the Plasmat Sets or Euryplan Sets, as they are always subject to certain limitations.

It should be noted that the full rapidity of the lens is not obtained when combined with the attachment lens, as the latter must necessarily be stopped down to a certain degree in order to obtain sharp definition to the margin. This particularly applies to the reducing lens.

An attachment lens which reduces the object by ¹/₄ will not at the same time give a picture of the same size which is uniformly sharp at the edges. In certain cases it will be necessary to remain satisfied with a smaller field of view, or size of picture, which fact has **not** to be considered with a combination set of lenses. From this we see that although the attachment lens is quite capable of furnishing pictures, it is bound to certain restrictions. However, considering its **much lower price** these inconveniences must be taken into the bargain.

The reducing attachment is particularly useful for Pocket Cameras with short extension. It is possible to place the camera very close to the subject and obtain large Portraits, photographs of small objects, flowers, fruit etc. etc.

The professional architectural or landscape photographer who is obliged to take all exposure distances into account, will still require to be equipped with a combination set, such as our PLASMAT or Euryplan Set, if he is to meet every demand placed upon him. But those Photographers, amateur or professional, who are mainly dependent upon **one** lens, and are thus in difficulties when faced with a task for which their available focal length is unsuitable, will find the **Meyer Attachment Lens** a very valuable aid.

The minor disadvantages which they entail are not so great as being helplessly confronted with an object — for which the ordinary focal length of the camera lens is useless. Strictly speaking, attachment lenses are emergency lenses and they really **do** help in emergencies.

These attachment lenses have been computed to turn every possibility of these systems to account and within reason they will do all that is expected of them.

Prices of Meyer Attachment Lenses

Focal length of lens without	of for increasing Att		Reducing Attachm. Ser. III. Resulting	Prices. Attachm. Lenses in slip-on mounts.									
Attachm. Lenses inch.	resulting Focal focal length			F6.8-F6.3	F6-F5.5	F4.5							
inch.	inch.	inch.	inch.	72									
3	4	51/2	23/8	E CONT									
31/2	43/4	$6^{3}/4$	23/4	- A - 2 - 3									
41/4	51/2	8	31/8										
43/4	61/4	9	31/2										
51/4	7	10	4										
6	8	111/4	45/16										
61/2	83/4	121/8	43/4										
7	91/2	131/2	51/8	N									
73/4	$10^{1/4}$	15	51/2		No.								
81/4	11	16	6										
Exposure required	2×	4×	6×	that of	the ordina	ry lens							

Attachment lenses Series I and II are fitted to the front lens. Attachment lenses Series III are fitted to the Back lens.

When ordering please give the following information:

- 1. Outside diameter of the front or back lens mount.
- Focal length and F value (rapidity) of lens for which the attachment is required.
- 3. Total extension of camera.



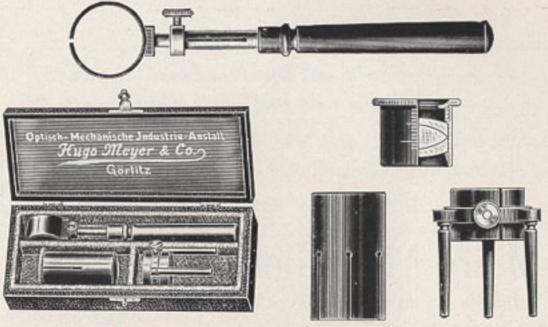
Focussing Magnifiers

Aplanatic design, consisting of three lenses

These magnifiers serve, in the first place, for accurate focussing on the ground glass screen and for the examination of negatives. But, when removed from the holder, they can be used for the close examination of ordinary objects in the usual way.

Magnification	Diameter of lenses inches	Focal length inches	Price	Code word
6 times 10 times	3/4 7/16	13/4		Anker Ander
16 times	1/4	3/8		Angel

Magnifying Outfit



containing an Aplanatic magnifier of three-lens construction (fig. 1), giving a magnification to six diameters, together with three mounts for use for different purposes.

In this way the magnifier is made to serve:

a) for focussing on the ground glass screen and for examining negatives, by the use of the holder shown in fig. 2.

b) for reading purposes and the quick close inspection of objects,

by the use of the handle (fig. 3).

c) for examination of objects in outdoor light, by means of a tripod support (fig. 4).

The whole set is arranged in a case, at the price of

Folding Magnifiers



a) Aplanatic
Consisting of three lenses
of Crown and Flint glass
cemented. Mount and case
heavily nickel plated.

Give a flat brilliant image free from colour.

No.	Diameter of lens	Magnification	
1	3/4"	6 diameters	
2	7/16"	10 "	
3	1/4"	16 "	

b) with two Planoconvex lenses Vulcanite case with nickel cover

No. Diameter of lens		Magnification
4	1"	6 diameters
5	3/4"	8 "
6	5/8"	10 "
7	7/16"	15

c) with one Biconvex Lens Vulcanite case with nickel cover

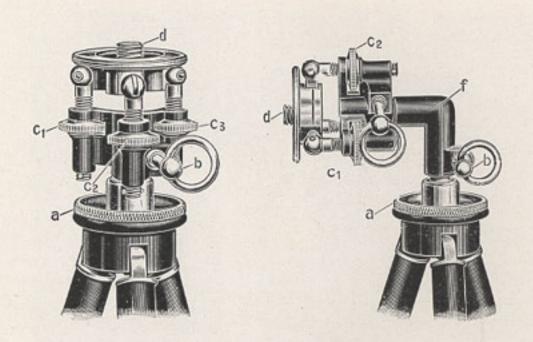
No	Diameter of lens	Magnification	
11	11/16"	7 diameters	
12	15/16"	4 ,,	
13	15/8"	3	

Micro Magnifier

In Vulcanite mount with Biconvex lens

No.	Diame'er of lens	Ma	gnification	
20	13/8"	21/2	diameters	
21	13/8"	4	,,	
22	13/8"	6	,,	
23	2"	2		
24	2"	3	,,	



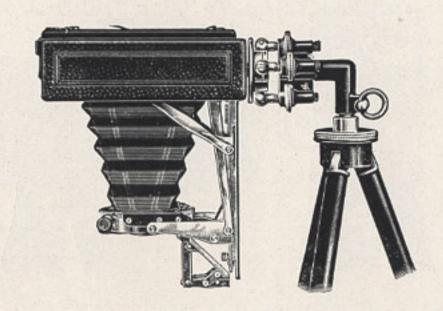


The Meyer Universal Tripod Head

 The Meyer Universal Tripod Head can be inclined in any direction. It has no tendency to adjust itself under load nor to shift its position automatically, as it is not built on the ball joint principle, which has failed to stand the test of practical use under appreciable loads.

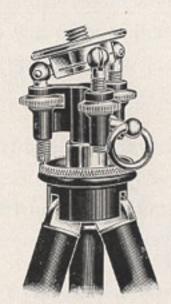
But it can be adjusted to any desired position and may be relied upon, with absolute certainty, to remain stationary.

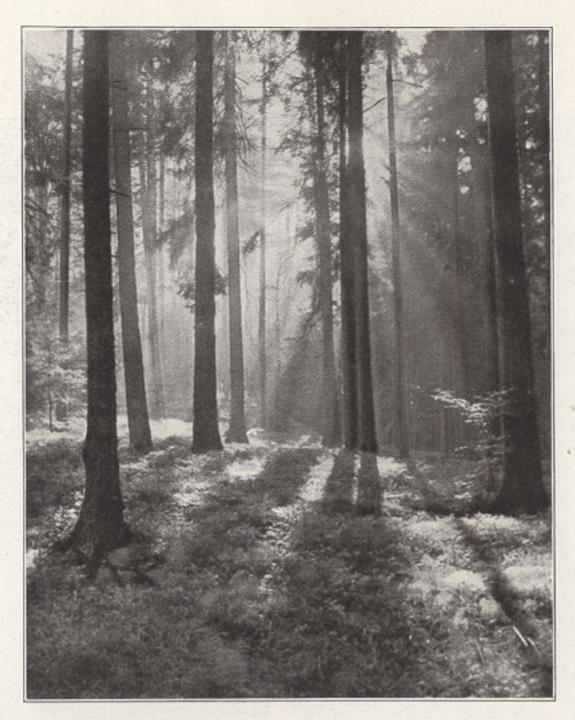
- With the Meyer Universal Tripod Head a camera can be made to point directly upwards or downwards, so that views of ceilings and floors and Photographs of books and objects in museum cases can easily be taken.
- The Meyer Universal Tripod Head can also, of course, be turned on its own axis into any position.



4. The Meyer Universal Tripod Head is capable of universal employment for exposures of every description with either outdoor or interior subjects. By its use the trouble of adjusting the tripod is avoided; this can be set up rigidly at the outset, the finer adjustment of the position of the camera being made entirely by means of the tripod head.

Price





Taken with Set-Euryplan F/6,5, 5 1/4" Stop F/9 no filter, 1/2 sec. Phot. R. Nebelung, Munich

In the Frankonia Wood



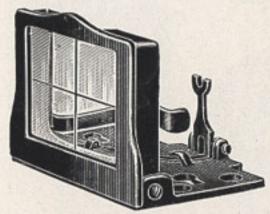
S. S. "Statendam"

Holland-America Line

Taken with Meyer Wide Angle Aristostigmat F/9 focus 61/4 inches. Phot. A. G. van Agtmaal, Baarn.

The Megor Vision Finder

With automatically folding eye-piece.



An accurately constructed direct vision finder, which is opened automatically with a light touch. When the lens frame is closed down, the eye-piece folds automatically beneath the lens. It opens and closes under light finger pressure.

The finder is well coated with black enamel, flat in design and can readily be attached to any camera.

- No.I. Lens size 3/4 × 11/8 inches for V. P. to 1/4 plate Cameras
 - a) standard construction . . . Price
 - b) folding sideways for square cameras Price
- No. II. Lens size 1 × 1 3/8 inches for 1/4 plate to 1/2 plate Cameras
 - a) standard construction . . . Price
 - b) folding sideways for square cameras Price
- No.III. Lens size $1^3/8 \times 1^7/8$ inches for plate 7×5 inches with self-closing cap. Price

Brilliant view finder

For Folding Cameras



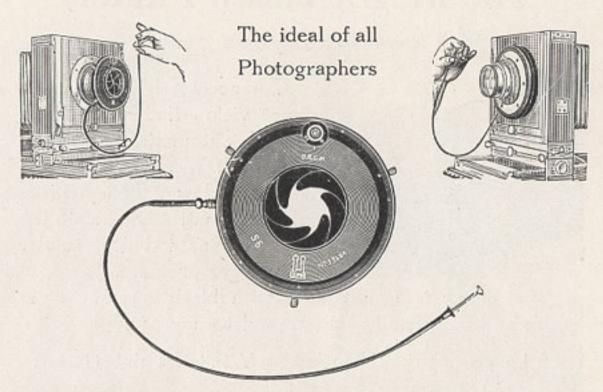
- Size I. Suitable for Cameras 21/2 × 31/2
 - a) with Spirit Level . Price
 - b) without Spirit Level Price

Size II. Suitable for Cameras

 $3^{1/4} \times 4^{1/4}$ 9×12 cm $3^{1/2} \times 5^{1/2}$ 10×15 cm

- a) with Spirit Level . Price
- b) withoutSpirit Level Price

Photo-Shutter "Central"



For time and instantaneous exposures. Springless and free from rubber parts internally. Works silently and without vibration. Convenient to manipulate. With cable release.

Model A for use before the lens on all sunshades of $1^{3/16}$ " — 6" diameter. **Model B** for use behind the lens on the face of the lens board.

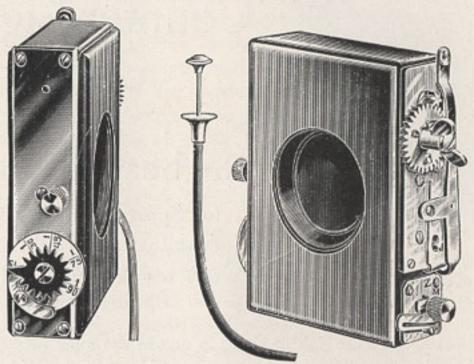
When ordering a shutter of model A, the client is requested to let us know the diameter of the lens hood. — When ordering a shutter of model B, we require the lens board and the flange of the objective. In case the lens board cannot be spared, we wish to know the exact size of the lens board the free aperture of the lens, the diameter of the collar on the flange, and the distance between the flange and the back lens.

Sizes and prices

Series	Full Aperture inches	Model A for Sunshade diameter inches	Price	Model B for free lens- diameter inches	Price
III	$1\frac{3}{16}$ $1\frac{3}{8}$ $1\frac{9}{16}$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		$1^{3/16}$ $1^{3/16} - 1^{3/8}$ $1^{3/8} - 1^{9/16}$	
IV V VI	1 ³ / ₄ 2 2 ³ / ₈	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		$ \begin{array}{r} 1^{3/4} - 2 \\ 2 - 2^{3/16} \\ 2^{3/16} - 2^{9/16} \end{array} $	
VIII VIII IX	23/4 31/8 39/16	$3^{1/8} - 3^{9/16} 3^{9/16} - 3^{15/16} 3^{15/16} - 4^{5/16}$		$ \begin{array}{r} 2^{9/16} - 2^{3/4} \\ 2^{3/4} - 3^{1/8} \\ 3^{1/8} - 3^{1/2} \end{array} $	
X	3 15/16 4 1/2	4 ⁵ / ₁₆ — 5 ¹ / ₈ 5 ¹ / ₈ — 6 ¹ / ₈	minus	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	

By means of adapters one and the same shutter of model A can be used with a number of lenses of varying size. — The prices of wooden lens boards for shutters model B, according to their size,

The Roller Blind Lens shutter of latest design.



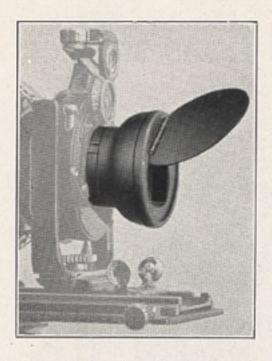
Instantaneous exposures up to 1/90 of a second
Time exposure of any duration
With Flexible Release.

These shutters are recommended for stand and studio cameras. In use they will be found smooth and silent, without the slightest liability to jar. We supply two patterns:

- a) For attachment to the lens-hood.
- b) For fixing to the lens-panel immediately behind the objective.

In ordering shutters of pattern a, it is sufficient to give the outer diameter of the lens-hood. In the case of those of pattern b it is well to send the flange.

Pri	ces according to	lens-	cell dimensions
No.	Diameter inches	No.	Diameter inches
0 -	3/4-11/2	4	213/16-33/16
1	19/16-21/16	5	33/16-315/16
2	21/16-27/16	6	315/16-43/4
3	27/16-213/16	7	43/4-51/16



German and foreign patents applied for. Englisches Patent U.S. A. Patent angem.

The Wörsching Counter-Light Cap

The best auxiliary

for Sports, Landscape,
Architectural, Portrait,
Cinema, Art and Scientific
Photography

Exposures against the light, belong to one of the most interesting and charming branches of the photographic art; the object to be photographed is here lighted from the side or the back and appears far more plastic than with the usual method of lighting; for the photographic black and white picture this plasticity is of especial value. Up to now it was not easy for the amateur to produce pictures of this kind, since the slightest ray of the sun falling on the photographic lens is reflected there and refracted innumerable times, the result being a more or less foggy and flat negative. With the invention of the Wörsching Counter-Light Cap, photography against the sun, even at an acute angle, is mere child's play; the Counter-Light Cap, which protects the lens from all false light, can be fixed on any camera, even the smallest hand camera, by a single manipulation. The Wörsching Counter-Light Cap is simply pushed over the front of the lens, like a colour screen; it consists of three parts:

- a cup shaped tube,
- 2. interchangeable rectangular stops, and
- a sun cover or shade, which can be turned and moved in all directions.

The cup shaped tube serves to keep all reflected and false side light from the lens; at the same time it carries the hinged sun cover. The purpose served by the rectangular stops will be clear from the following considerations: Every photographic lens projects a circular picture; for instance, a lens f/4.5 with a focus of 15 cm projects a circle of light with about 30 cm diameter. A lens with this focus is, however, frequently used for a 9 × 12 cm camera, and the result is that a vast amount of false side light passes through the lens into the interior of the camera; all this extra light is of no use at all in producing the picture, on the contrary, it is reflected by the bellows or walls of the camera on the sensitive plate, there producing fog and consequently flat negatives. All this false and reflected light cannot be seen on the focussing screen of the camera, so that the photographer has no means of gauging the amount of false light entering his apparatus.

Time of Exposure:

The Counter-Light Cap has not the effect of a stop or diaphragm, but simply acts as a window through which the lens, so to say, looks; the time of exposure is therefore in no way influenced by the use of the Cap. In the case of exposures against the sun the shadows must of course be exposed long enough to get the details. In order to avoid too strong contrasts, it is recommended to use large stops in taking photographs of this kind.

The Counter-Light Cap will lend a new charm to your photographic work and will help you to carry out new ideas.

Prices for Counter-Light Caps:

Size O with spring, I	ens d	iameter			Į,											0.	22	mm
Size I1/2 with spring,																		
Size 11/2 a with screws,																		
Size 11/2 b for new Con	npour	nd Shut	ter	d	ia	me	te	r									32.8	mm
Size II with spring, I	ens d	iameter					4										. 37	mm
Size II a with screws,		**		4				1			40					31	-37	mm
Size III with spring,																	. 42	mm
Size III a with screws,	20								7							38	-42	mm
Size IV with spring,		,,					-										. 51	mm
Size IVa with screws,	**									4						40	-51	mm
				-									-	-		-		

When ordering please mention the exact diameter of lens. Easily interchangeable circular Colour Screen. Holders for the Wörsching Counter-Light Caps, especially to be recommended.

Intermediate Rings for "Leica" Cameras . . . Intermediate Rings for sunk mount lenses .

The Wörsching Counter-Light Cap

for professionals – in all sizes: 50—60, 70, 80, 90—125 mm diameter of lens prices