

GRAFLEX AND GRAPHIC CAMERAS

1918

Folmer & Schwing Department Eastman Kodak Company Rochester, N. Y.

THE GRAFLEX

THE operation of the Graflex Camera is extremely simple, and the user quickly learns to appreciate the certainty with which the desired pictorial results can be secured.

Looking into the focusing hood, the operator sees a brilliant image of the subject upon the focusing screen, right side up, in



Sectional View of Graflex

full picture size, and accurately adjusts the focus and composition up to the very instant the shutter release is pressed. This method of focusing makes it unnecessary to estimate the distance between camera and subject.

The illustration shows the interior construction of the Graflex and how the image projected by the lens is reflected from the mirror to the ground glass screen in the top of the camera.

The Graflex Focal Plane Shutter, built into the camera, may be operated at automatic speeds ranging from $\frac{1}{10}$ to $\frac{1}{1000}$ of a second, as well as time exposures of any

duration, providing for an extreme variety of photographic subjects and lighting conditions. The Graflex Focal Plane Shutter consists of a long curtain with a number of fixed apertures of varying width. The duration of exposures is regulated by the width of the aperture and the rapidity of its movement across the exposing aperture at the back of the camera. This shutter permits the lens to work at its full efficiency throughout the period of exposure, assuring well timed negatives when working under unfavorable light conditions, or when high shutter speeds are used.

The Graflex is made with the utmost precision, from the best materials, and is subjected to a rigid inspection and test before being placed on the market. The

Graflex Shutter Curtain

rich appearance of the Graflex is fully in keeping with its mechanical excellence. The body of the camera is made of mahogany covered with Morocco Leather. All uncovered wooden parts are ebonized, and all metal parts have a rich gun metal finish.



THE 1A GRAFLEX

Autographic

SPECIFICATIONS

FOR FILM ONLY

Outside dimensions, closed					$9\frac{1}{2}$ x 3 x $5\frac{1}{4}$
Focal capacity					$6\frac{1}{2}$ in.
Weight					$3\frac{3}{4}$ lbs.
Size of lens board					$2\frac{1}{4} \ge 2\frac{3}{8}$ in.
Minimum focus of lens acco	omr	noc	late	ed	$4\frac{3}{4}$ in.

	$2\frac{1}{2} \times 4\frac{1}{4}$
1A Graflex without lens	\$ 68.00
With Kodak Anastigmat Lens, f.4.5, No. 31	103.00
With B. & L. Kodak Anastigmat Lens, f.6.3,	
No.2	91.50
With B. & L. Tessar Lens, Series Ic, f.4.5,	
No. 14	109.00
Leather Case for 1A Graflex	6.50

THE 1A GRAFLEX

Folmer's Patent, February 5, 1907, and April 21, 1908

EMBODYING all the advantages of the reflecting principle of construction, compactness and roll film convenience, the 1A Graflex is especially suitable for the tourist.

This camera takes the regular 1A Kodak Film of 6 or 12 exposures, and makes pictures of very pleasing proportions— $2\frac{1}{2}\times 4\frac{1}{4}$ inches. The Autographic feature, fitted to the camera back, enables the operator to write directly upon the Autographic Film, the date or other memorandum of every exposure at the time it is made, providing for the positive identification of any negative at any time. This permanent record of the exact date, or title, upon the negative, is frequently of value aside from the satisfaction of knowing the facts relative to every negative when an occasion arises for their use.

In order to make the camera as compact as possible, the Focusing Screen of the 1A Graflex is made a trifle narrower than the full width of the negative; this does not interfere with accurate focusing.

With the 1A Graflex, as with the other Graflex models, it is possible to see the image the size it will appear in the negative up to the instant of exposure, and to make exposures of any duration up to $\frac{1}{1000}$ of a second. This camera is also fitted with a safety device which prevents the winding of the shutter curtain until the mirror is in position for focusing, preventing the unintentional fogging of film.



THE 3A GRAFLEX

Autographic

SPECIFICATIONS

FOR FILM ONLY

Dimensions .										$10 \ge 5 \ge 6\frac{3}{8}$
Focal capacity					۰.					10 in.
Weight										7 lbs.
Size of lens bo										
Minimum focu	s c	of	len	s a	cco	mr	noe	late	ed	$6\frac{1}{4}$ in.

	31/4 x 51/2
3A Graflex without lens	\$ 82.00
With Kodak Anastigmat Lens, f.4.5, No. 33	132.00
With B. & L. Kodak Anastigmat Lens, f.6.3,	
No. 4	112.00
With B. & L. Tessar Lens, Series Ic, f.4.5,	
No. 15a	140.50
Leather Case for 3A Graflex	9.00

THE 3A GRAFLEX

Folmer's Patent, February 5, 1907, and April 21, 1908

ALL the advantages of a reflecting camera of the highest type, with film simplicity and convenience, combine to make the 3A Graflex one of the most popular models.

This camera makes $3\frac{1}{4} \ge 5\frac{1}{2}$ pictures, on regular 3A Kodak Film, which may be obtained wherever camera supplies are sold.

The Autographic feature, fitted to the 3A Graflex, enables the operator to write the date or any other necessary record for future reference directly upon the film, at the time the picture is made. This permanent record affords a relief from uncertainty and disappointment when positive identification of negatives is required.

Built into and part of the 3A Graflex, is the regular Graflex Focal Plane Shutter, giving instantaneous exposures from $\frac{1}{10}$ to $\frac{1}{1000}$ of a second, as well as time exposures of any duration. The front of the camera is exceedingly rigid and large enough to accommodate Anastigmat lenses working at the highest speed.

The focusing hood opens automatically when the cover of the camera is raised, and is detachable, to allow easy access to the ground glass screen when prolonged use makes cleaning necessary.

The surplus space at each side of the camera is converted into film storage pockets, each carrying two rolls of film. This permits the operator to carry in the camera sufficient film for fifty exposures.



THE AUTO GRAFLEX

Folmer's Patent, February 5, 1907

SPECIFICATIONS

	31/4 x 41/4	4 x 5	5 x 7
Dimensions when closed	53/4x 53/8x 61/4	63/4x61/x71/4	91/x81/x83/4
Focal capacity	7 in.	81/2 in.	12 in.
Weight	3 lbs. 10 ozs.	5 lbs.	8 lbs.
Size of lens board	23/4 x 23/4 in.	31/4 x 31/4 in.	4 x 4 in.
Minimum focus of lens			
accommodated	5 in.	6 in.	71% in.

THE PRICE

Auto Graflex without lens, including	31/x41/	4 x 5	$5 \ge 7$
one double holder	\$ 55.00	\$ 65.00	\$ 80.00
	No. 31	No. 32	No. 34
With Kodak Anastigmat Lens, f.4.5	90.00	105.50	142.00
With B. & L. Kodak Anastigmat	No. 2	No. 3	No. 5 .
Lens, f.6.3	78.50	89.50	121.50
	No. 14	No. 15	No. 16
With B. & L. Tessar, Series Ic, f.4.5	96.00	113.00	153.00
Graflex Roll Holder	9.00	10.00	11.00
Graflex Magazine Plate Holder	13.50	14.50	16.00
Film Pack Adapter, leather covered	4.50	5.00	7.50
Leather case for camera and roll			
holder	8.50	9.50	12.50
Leather case for camera and maga-			
zine plate holder	9.25	10.25	13.25
Leather case to hold six plate holders	5.25	5.75	6.25
Extra Graflex plate holders, each .	2.50	2.50	3.50
Ground glass panel, to interchange			
with plate holders	2.25	2.75	3.75

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THE AUTO GRAFLEX

Folmer's Patent, February 5, 1907

PRACTICAL simplicity in design and operation characterizes the construction

of the Auto Graflex, and the camera is accorded a superior position by both professional and amateur photographers on account of its adaptability to a very wide range of work.

The Auto Graflex is offered in three sizes: $3\frac{1}{4}x4\frac{1}{4}$, 4x5 and 5x7, each of the models embodying the exclusive Graflex features.

The reflecting mirror and Graflex Focal Plane Shutter are a part of this instrument, the shutter permitting speeds from time to $\frac{1}{1000}$ of a second. The new design focusing hood renders focusing particularly easy, and is readily detachable.

The Auto Graflex takes the regular Graflex plate holder, and is constructed to take the Graflex Roll Holder, the Graflex Magazine Plate Holder, which may be loaded with twelve glass plates, and the Film Pack Adapter which takes the Film Pack.

The Auto Graflex may be fitted with any of the well known Anastigmats, although our experience has proved that the most satisfactory results will be obtained with the lenses listed with each model.

The 5 x 7 Auto Graflex differs slightly in construction from the $3\frac{1}{4} \times 4\frac{1}{4}$ and 4×5 sizes. On the 5 x 7 camera the front, as well as the lens cover, is hinged, affording easy access to the lens, and the construction of the camera body is slightly different from that of the smaller models.



THE AUTO GRAFLEX JUNIOR

SPECIFICATIONS

Dimensions closed								
Focal capacity								5½ in.
Weight								39 ozs.
Minimum focus of 1	en	s a	cco	mn	noc	late	ed	4 in.

THE PRICE

21/4 x31/4

	/4 /4
Auto Graflex Junior without lens, including	
one double plate holder	\$38.00
With Kodak Anastigmat Lens, f.4.5, No. 30	69.00
With B. & L. Kodak Anastigmat Lens, f.6.3,	
No. 1	60.00
With B. & L. Tessar, Series Ic, f.4.5, No. 13	74.50
Graflex Roll Holder	8.00
Graflex Magazine Plate Holder, Model A .	11.00
Graflex Film Pack Adapter	3.50
Ground glass panel, to interchange with	
plate holders	2.00
Leather case for camera and plate holder or	
roll holder	6.00
Leather case for six plate holders	3.90
Leather case for camera and magazine plate	
holder	7.50
Extra Graflex plate holders, each	1.50

THE AUTO GRAFLEX JUNIOR

THIS model of Graflex effectively meets the demand for a small camera of the reflecting type. The short focal length of the speedy Anastigmat Lenses, recommended for use with this camera, and the available range in shutter speeds—from time exposures to $\frac{1}{1000}$ of a second—insure a wide latitude of photographic work, and great depth of definition with lens stops of high illumination.

The $2\frac{1}{4} \ge 3\frac{1}{4}$ negatives, produced by this camera, show remarkable definition, and enlargements several times the original size may readily be made.

À safety device prevents the winding of the shutter curtain until the reflecting mirror is locked in focusing position, thus preventing the possibility of fogging the plate or film. The focusing hood is automatic in its action, and is finished with a square top, making it exceptionally easy to secure vertical pictures with the camera held on its side.

Like all models of this type, absolute parallelism of the front and focal plane is maintained, as the focusing racks and front standard are stamped from one piece of heavy brass.

The depressed metal front of the Auto Graflex Junior is threaded to accept the lenses listed.

Graflex attachments for the use of Plates, Film Packs or Graflex Roll Film interchangeably fit the back of the camera.



THE REVOLVING BACK GRAFLEX JUNIOR

SPECIFICATIONS 21/4 x 31/4
$\begin{array}{llllllllllllllllllllllllllllllllllll$
THE PRICE
Revolving Back Graflex Junior without lens, 24×34 including one double plate holder \$ 68.00
With Kodak Anastigmat Lens, f.4.5, No. 32 108.50
With B. & L. Kodak Anastigmat Lens, f.6.3,
No. 3
With B. & L. Tessar Lens, Series Ic, f.4.5,
No. 15
Graflex Roll Holder 8.00
Graflex Magazine Plate Holder, Model A . 11.00
Graflex Film Pack Adapter 3.50
Ground glass panel, to interchange with
plate holders
Leather case for camera and plate holder
or roll holder 6.50
Leather case for six plate holders 3.90
Leather case for camera and magazine plate
holder 8.25
Extra Graflex plate holders, each 1.50

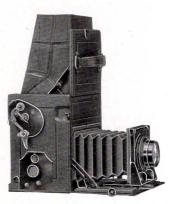
THE REVOLVING BACK GRAFLEX JUNIOR

THE construction of this camera is similar to that of the Auto Construction makes a picture 21/4 x 31/4 inches and is equipped with a revolving back, which permits the operator to turn the back from a vertical to a horizontal position without removing the back from the camera, a particularly valuable feature for those who wish to make vertical negatives without turning the camera on its side. The revolving back may be changed from horizontal to vertical, or any intermediate position, without danger of fogging the plate or film when the slide is withdrawn. In order to intercept the rays of light for vertical as well as horizontal negatives, it is necessary to make the reflecting mirror a trifle longer than that supplied with the Auto Graflex Junior. This slightly increases the length of the body of the camera, which permits the use of a lens of a greater focal length.

The shutter is the same as that supplied with other Graflex Cameras, having five fixed apertures permitting exposures of any duration from time to $\frac{1}{1000}$ of a second. A safety device prevents the winding of the shutter curtain until the mirror is depressed.

The front is of the same rigid construction as that on the Auto Graflex Junior, and the detachable focusing hood gives easy access to the focusing screen.

The Revolving Back Graflex Junior is supplied with a depressed, cupped metal front threaded to accept the lenses listed.



THE COMPACT GRAFLEX

SPECIFICATIONS

	31/4 x 51/2	5×7
Dimensions when closed	7x47/8x7	91/2 x 7 x 91/2
Focal capacity	10 in.	121/2 in.
Weight	5 1/2 lbs.	81/2 lbs.
Size of lens board	31/x 31/ in.	4x4 in.
Minimum focus of lens accommodated	6 in.	71/ in.

Compact Graflex without lens, including one		$5 \ge 7$
double plate holder	\$ 75.00	\$ 96.00
	No.33	No. 34
With Kodak Anastigmat Lens, f.4.5	125.00	158.00
0	No. 4	No. 5
With B. & L. Kodak Anastigmat Lens, f.6.3 .	105.00	137.50
5	No. 15a	No. 16
With B. & L. Tessar, Series Ic, f.4.5	133.50	169.00
Graflex Roll Holder	10.00	11.00
Graflex Magazine Plate Holder, Model A	15.00	16.00
Graflex Film Pack Adapter, leather covered .	5.50	7.50
Ground glass panels, to interchange with plate		
holders ,	2.75	3.75
Leather Carrying Case for camera and plate		
holder or roll holder	8.50	10.50
Sole Leather Case for camera and magazine		
plate holder	9.50	12.50
Extra Case for six plate holders	5.75	6.25
Extra Graflex Plate Holders	2.50	3.50

THE COMPACT GRAFLEX

THIS camera embodies many new structural features in addition to the compactness of construction and advantage afforded in the interchangeable use of Plates, Graflex Roll Film and Film Packs.

Particular attention is directed to the automatic safety curtain which is actuated by the swinging mirror frame protecting the Plate or Film when the mirror is set in focusing position. As soon as the release lever is pressed, the swinging mirror causes the safety curtain to drop, and allows the Focal Plane Shutter to make the exposure in the usual way. The mirror frame in this camera is constructed of aluminum, which reduces the weight of the instrument, and as the mirror frame seats against an air cushion in the top of the camera, all vibration is eliminated—a valuable feature when making slow exposures while holding the camera in the hand.

The focusing hood is made amply large to afford full view of the focusing screen when making exposures with the camera held in position for making either horizontal or vertical negatives.

The Compact Graflex is fitted with the regular Graflex Focal Plane Shutter, permitting automatic exposures ranging from $\frac{1}{10}$ to $\frac{1}{1000}$ of a second and time exposures of any duration can be readily made. The camera takes the Graflex Plate Holder, Graflex Film Pack Adapter, Graflex Magazine Plate Holder or the improved Graflex Roll Film Holder.



TELESCOPIC REVOLVING BACK GRAFLEX

SPECIFICATIONS

					31/4 x 41/4	$4 \ge 5$
Dimensions when closed					63/4 x 51/2 x 67/8	83/8 x 63/8 x 77/8
Focal capacity					81/2 in.	12 in.
Weight					41/2 lbs.	63/ lbs.
Size of lens board					31/4 x 31/4 in.	33/4 x 33/4 in.
Minimum focus of lens	ac	con	mm	10-		
dated					53/ in.	71/8 in.

Telescopic R. B. Graflex without lens, including 31/4 x 41/4	4 x 5
one double plate holder and focusing panel . \$ 90.00	\$100.00
No. 32	No. 33
With Kodak Anastigmat Lens, f.4.5 130.50	150.00
No. 3	No. 5
With B. & L. Kodak Anastigmat Lens, f.6.3 . 114.50	141.50
No. 15	No. 16
With B. & L. Tessar, Series Ic, f.4.5 138.00	173.00
Graflex Roll Holder 9.00	10.00
Graflex Magazine Plate Holder 13.50	14.50
Film Pack Adapter, leather covered 4.50	5.00
Leather case for camera and roll holder, with	
lock and key 9.75	11.50
Leather case for camera and magazine plate	
holder 10.50	12.50
Leather case for six plate holders 5.25	5.75
Extra Graflex plate holders, each 2.50	2.50

TELESCOPIC REVOLVING BACK GRAFLEX

THE turn-table back provided with this camera, enables the operator to make either vertical or horizontal negatives without turning the camera on its side.

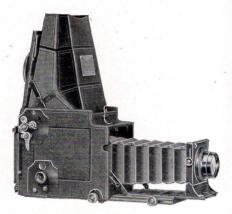
The camera can be brought into position for action quickly and easily. Pressure on a release, located near the handle, opens the camera and brings the hood into position for focusing, while the lens cover opens automatically the instant the front is racked out. An exceptionally large front board permits the use of the most rapid Anastigmat Lenses, and sufficient bellows capacity is provided for lenses of long enough focus to give excellent pictorial effect.

The regular Graflex Focal Plane Shutter and Reflecting Mirror are a part of this camera. The shutter is actuated to give automatic exposures from $\frac{1}{10}$ to $\frac{1}{1000}$ of a second, as well as time exposures of any duration.

The large, roomy focusing hood is attached in such a manner that it may be readily detached from the camera, rendering the focusing screen easily accessible for cleaning or replacing.

The side arms to which the front of the camera is attached on the $3\frac{1}{4} \times 4\frac{1}{4}$ Telescopic Revolving Back Graflex, are not perforated, as shown in the illustration.

The regular Graflex attachments for the use of Plates, Film Packs or Graflex Roll Film, interchangeably fit the back of the camera.



REVOLVING BACK AUTO GRAFLEX

Folmer's Patent, February 5, 1907, and June 8, 1908

SPECIFICATIONS

						$3\frac{1}{4} \times 4\frac{1}{4}$	$4 \ge 5$
Dimensions when closed						81/2 x 51/2 x 7	10x6¼x8
Focal capacity						151/2 in.	181/ in.
Weight							71/2 lbs.
Size of lens board						3 x 3 in.	33/ x 33/ in.
Minimum focus of lens a	acc	com	ime	oda	ted	71/s in.	83/s in.

Revolving Back Auto Graflex, without lens, includ- 3¼ x 4¼ ing one double plate holder and focusing panel \$100.00	4 x 5 \$115.00
No. 33	No. 34
With Kodak Anastigmat Lens, f.4.5 150.00	177.00
No. 5	No. 6
With B. & L. Kodak Anastigmat Lens, f.6.3 . 141.50	171.00
No. 10	
With B. & L. Protar Lens, Series VIIa, f.6.3 . 182.00	
No. 15a	No. 17
With B. & L. Tessar Lens, Series Ic, f.4.5 158.50	232.00
Graflex Roll Holder 9.00	10.00
Graflex Magazine Plate Holder, Model A 13.50	14.50
Film Pack Adapter, leather covered 4.50	5.00
Leather case for camera and roll holder, with	
lock and key 10.50	12.50
Leather case for camera and magazine plate	
holder	13.50
Leather case for six plate holders 5.25	5.75

REVOLVING BACK AUTO GRAFLEX

THE great bellows capacity provided with this camera permits the close approach required when making full sized reproductions, and also accommodates long focus lenses, or the single combinations of convertible lenses. The front bed is fitted with a telescopic rack of exceptional rigidity which can be drawn out beyond the edge of the platform, permitting full extension of the bellows.

The Revolving Back Auto Graflex is fitted with a specially designed rising and falling front which allows full movement of the front regardless of the position of the bellows.

In many lines of photographic work it is frequently necessary to make vertical negatives without turning the camera on its side, and for those desiring a camera of this type the Revolving Back Auto Graflex is particularly valuable.

The hood is of ample size to permit accurate focusing for either horizontal or vertical pictures and is detachable, to provide easy access to the focusing screen for cleaning or repair.

The regular Graflex Focal Plane Shutter, actuated to give exposures from time to $\frac{1}{1000}$ of a second, is part of this camera.

Graflex attachments for the use of Plates, Film Packs or Graflex Roll Film interchangeably fit the back of the camera.



THE PRESS GRAFLEX

Folmer's Patent, February 5, 1907, and June 8, 1909 SPECIFICATIONS

Dimensions .			-						$11 \ge 8\frac{1}{4} \ge 9\frac{3}{4}$
Focal capacity									14 in.
Weight									111 lbs.
Size of lens boa	ird								4 x 4 in.
Minimum focus	of	len	is a	cco	m	no	date	ed	8 in.

Press Graflex without lens, including one	$5 \ge 7$
double plate holder	\$118.00
With Kodak Anastigmat Lens, f.4.5, No. 34	180.00
With B. & L. Kodak Anastigmat Lens, f.6.3,	
No. 5	159.50
With B. & L. Tessar Lens, Series Ic, $f 4.5$,	
No. 16	191.00
Graflex Roll Holder	11.00
Graflex Magazine Plate Holder, Model A .	16.00
Film Pack Adapter, leather covered	7.50
Leather case for camera and plate holder or	
roll holder, with lock and key	15.50
Leather case for camera and magazine plate	
holder, with lock and key	16.75
Leather case for six plate holders	6.25
Extra Graflex holders, each	3.50

THE PRESS GRAFLEX

THE Press Graflex is designed to meet the exacting requirements of the Press and Commercial Photographer.

The Press Graflex is constructed to withstand very strenuous usage without injury to the mechanism, or throwing out of alignment the most accurate adjustments, and the shutter is speeded up to give exposures as brief as $\frac{1}{1500}$ of a second, as well as time exposures of any duration.

The camera is instantly accessible for focusing when being carried, as the top is opened by pressing a lever conveniently located near the handle; this automatically brings the focusing hood into position and the lens cover opens the instant the front is racked out, permitting the negative to be made with the least possible loss of time. This is a feature of great value to the newspaper photographer, who frequently has little or no time to prepare for making a negative.

The telescopic side arms are of sufficient length to give a bellows extension of fourteen inches, while the special construction of this camera will permit the use of lenses having a focal length as short as eight inches.

A detachable, spring actuated ground glass panel holds the plate holder in place; this panel may be detached when using the Magazine Plate Holder or Graflex Roll Holder, or may be used for focusing when the camera is on a tripod in an elevated position.

The Press Graflex is made in the 5×7 size only.



THE NO. 0 GRAPHIC CAMERA

Folmer's Patent, February 5, 1907, and April 21, 1908

SPECIFICATIONS

Dimensions, $5 \ge 3\frac{1}{2} \ge 3\frac{1}{4}$ in.; weight, 25 oz.

THE PRICE

				15/8 x 21/2
No. 0 Graphic Camera .				\$40.00
Sole leather carrying case				4.00

THE No. 0 Graphic is a high grade fixed or universal focus film camera, fitted with a high speed Anastigmat Lens and Graflex Focal Plane Shutter.

The extreme simplicity of operation and the fact that it is unnecessary to focus makes it possible for the merest novice in photography to secure a very large percentage of perfect results. With the lens working at its full aperture of f.6.3, everything up to within twelve feet of the camera is in focus, and by using a smaller diaphragm this distance can be greatly decreased. The Graflex Focal Plane Shutter with which the No. 0 Graphic is equipped has three apertures for instantaneous exposures $-\frac{14}{4}$, $\frac{3}{4}$ and $\frac{1}{2}$ inches, giving a range of instantaneous exposures from $\frac{1}{10}$ to $\frac{1}{500}$ of a second, and one full opening for time exposures of any duration. An automatic skyshade protects the lens from strong overhead light and serves the purpose of an automatic cap, which closes, blocking the light while the curtain is being reset.

Every part of the No. 0 Graphic is adjusted with micrometer precision. The lens is of the best possible type for the work for which it is intended.

A specially constructed folding sight finder is provided, recording approximately the field covered by the lens when the camera is held on a level with the eyes at a normal reading distance. Fitted to this finder is a small metal bound mirror which, when swung into position, converts the instrument into a deceptive angle camera, permitting the making of photographs at right angles to the line of vision.

The No. 0 Graphic takes the regular No. 0 F.P. Kodak Film for pictures 1 % x 2 ½ inches.

A valuable feature of the No. 0 Graphic is that the negatives made with this camera show such microscopic definition and extreme depth, that enlargements many times larger than the negative, retaining all the brilliancy of contact prints, may be made. A very simple means for making $6\frac{1}{2} \ge 8\frac{1}{2}$ or smaller enlargements from No. 0 Graphic negatives has been provided in the No. 0 Graphic Enlarging Camera.



THE SPEED GRAPHIC

SPECIFICATIONS

	$3\frac{1}{4} \ge 4\frac{1}{4}$	4 x 5	$3\frac{1}{4} \ge 5\frac{1}{2}$	5 x 7
Dimensions	$5\frac{3}{4}$ x $2\frac{3}{4}$ x $6\frac{1}{4}$	$6\frac{1}{2} \ge 4 \ge 6\frac{3}{8}$	$7 \ge 3\frac{1}{8} \ge 7\frac{1}{2}$	$8\frac{3}{4} \ge 3\frac{3}{4} \ge 9\frac{3}{8}$
Focal capacity .	10 in.	12 in.	12 in.	16 in.
Weight	21 lbs.	$3\frac{1}{2}$ lbs.	33 lbs.	$5\frac{1}{2}$ lbs.
Size of lens board	21 x 21 in.	31 x 31 in.	3 ¹ / ₄ x 3 ¹ / ₄ in.	33 x 33 in.

THE PRICE

Including one double plate holder

Speed Graphic without lens			$3\frac{1}{4} \ge 5\frac{1}{2}$ \$ 50.00	5 x 7 \$ 62.00
	No. 31	No. 32	No. 33	No. 34
With Kodak Anastigmat Lens, f.4.5	83.00	89.50	100.00	124.00
With B. & L. Kodak Anastigmat	No. 2	No. 3	No. 4	No. 5
Lens, f.6.3	71.50	73.50	80.00	103.50
	No. 14	No. 15	No. 15a	No. 16
With B. & L. Tessar, Series Ic, f.4.5	89.00	97.00	108.50	135.00
*Sole leather carrying case, with				
lock and key	7.50	8.50	3.50	10.50
Extra lens board	.35	.50	.50	.70
Extra plate holder	1.25	1.25	1.25	1.50

*Carrying cases for Speed Graphic Cameras hold the camera and plate holders as follows: $3\frac{1}{4} \times 4\frac{1}{4}$, 5 holders; 4×5 , 6 holders; $3\frac{1}{4} \times 5\frac{1}{4}$, 5 holders; 5 x 7, 6 holders.

THE SPEED GRAPHIC

THE Speed Graphic Camera is designed to meet the requirements of those desiring Focal Plane Shutter efficiency in a compact folding camera.

The front is large enough to take the high speed Anastigmat lenses, and sufficiently firm to prevent vibration even when the camera is used with the bellows extended to its full capacity. The camera is provided with a rising front, which permits adjustment to eliminate an objectionable foreground.

The 4 x 5, $3\frac{1}{4}$ x $5\frac{1}{2}$ and 5 x 7 Speed Graphic Cameras are equipped with the regular Graflex Focal Plane Shutter, actuated to give automatic exposures of any duration from $\frac{1}{10}$ to $\frac{1}{1000}$ of a second, and it is also possible to give time exposures of any duration. The shutter on the $3\frac{1}{4}$ x $4\frac{1}{4}$ Speed Graphic differs from that on the larger sizes, in that the exposure speeds run from "time" to $\frac{1}{500}$ of a second, which is amply rapid for a camera using a short focus lens.

The spring actuated ground glass focusing panel will accept the Graphic Plate Holder or the Premo Film Pack Adapter.

For those wishing to use Roll Film, the back of the Speed Graphic Camera can be altered to interchangeably accept any of the Graflex attachments for the use of Graflex Roll Film, Film Packs, or Plates.

Prices for altering the camera back to accept Graflex attachments are as follows:

31/4 x 41/4	4 x 5	3¼ x 5½	5 x 7		
\$7.50	\$8.00	\$8.00	\$9.00		



REVOLVING BACK CYCLE GRAPHIC

SPECIFICATIONS

	4 x 5	. 5 x 7	$6\frac{1}{2} \ge 8\frac{1}{2}$	8 x 10
Dimensions	$6\frac{7}{8} \ge 4 \ge 7\frac{1}{8}$	$8\frac{3}{4}$ x $4\frac{1}{4}$ x $9\frac{1}{4}$	$10\frac{3}{8} \ge 4\frac{1}{2} \ge 10\frac{3}{8}$	$12 \ge 5 \ge 12$
Focal capacity .	17 in.	$22\frac{1}{2}$ in.	26 in.	30 in.
Weight	33 lbs.	6^{1}_{4} lbs.	$7\frac{1}{2}$ lbs.	$10\frac{1}{2}$ lbs.
Size of lens board	21 x 21 in.	31 x 31 in.	41 x 41 in.	41 x 41 in.

THE PRICE

Including double plate holder and sole leather carrying case

Revolving Back Cycle Graphic with			
Graphic Rapid Rectilinear Lens 4x5 and Automatic Shutter \$ 56.00	5 x 7 \$ 66.00	6 ¹ / ₂ x 8 ¹ / ₂ \$ 80.00	8 x 10* \$105.00
With B. & L. Kodak Anastigmat No. 3 Lens, f.6.3 and Volute Shutter . 94.80	No. 5 122.80	No. 6 145.70	
With B. & L. Protar Lens, Series No. 7 VIIa, and Volute Shutter 137.30	No. 10 163.30		-
Extra Plate Holders, each 1.25	1.50	2.00	2.25
Graflex Focal Plane Shutter, leather covered to match, extra 23.00	25.00	28.00	30.00
Supplementary bed for Wide Angle Lenses 9.00	10.00	11.00	12.00
Extra lens boards, each35	.40	.45	.50

*Furnished with reversible back only.

To insure proper fitting we recommend that cameras be purchased complete with lenses as listed. We will not hold ourselves responsible for results with any of our cameras when lenses are not fitted by us.

When customers already own Anastigmat lenses and send them to us for fitting, a nominal charge will be made for the work.

REVOLVING BACK CYCLE GRAPHIC

FOR the technical worker the Revolving Back Cycle Graphic is particularly valuable, as its rigid construction and accurate adjustment make it indispensable for those engaged in scientific research, involving the application of photography.

To allow the use of long focus lenses, ample bellows capacity is provided. The front runs out on telescopic framed tracks, reinforced by angle brass guides with milled head binding screws, which lock the bed rigidly in place. The construction of these tracks affords a wider base for the lens support and prevents any lateral or oscillating movement.

The swing back is secured by an adjustment of the side arms running in a slotted plate on the platform and locked by means of milled head binding screws.

The revolving back involves the same principle as that employed in the Revolving Back Graflex.

The new rising and falling front mechanism, by means of which the front may be raised or lowered to any desired position, is at the same time a lock in itself. The Graflex Focal Plane Shutter is quite indispensable, if it is desired to secure the very best results that can be had with Anastigmat lenses.

The regular Premo Film Pack Adapter is interchangeable with the Graphic Plate Holder in the 4×5 and 5×7 sizes.

GRAFLEX ROLL HOLDER

THE Graflex Roll Holder, 1915 model, takes the new Eastman Graflex Film, and will interchange with the Plate Holders on Graflex Cameras.

The Roll Holder is easily loaded in daylight and is fitted with a dark slide, which permits the removal of the Holder from the camera before the entire roll has been exposed, without injuring the film.

GRAFLEX ROLL HOLDERS

1915 MODEL

		For Graflex Roll Holder Film No. 50			
31	$x 4\frac{1}{4}$	For Graflex Roll Holder Film No. 51			9.00
31	x 51/2	For Graflex Roll Holder Film No. 52			10.00
4	x 5	For Graflex Roll Holder Film No. 53			10.00
5	x 7	For Graflex Roll Holder Film No. 54			11.00

Graflex Roll Holders will fit Graflex Cameras only.

EASTMAN GRAFLEX FILM

No. 50	$3\frac{1}{4} \ge 2\frac{1}{4}$	6 Exposures					\$.20
No. 51	$4\frac{1}{4} \ge 3\frac{1}{4}$	6 Exposures						.35
No. 52	$5\frac{1}{2} \ge 3\frac{1}{4}$	6 Exposures		,				.40
No. 53	5 x 4	6 Exposures						.45
		6 Exposures						.80

To avoid error order Film by number.

GRAFLEX FILM PACK ADAPTER

THE Graflex Film Pack Adapter takes the Premo Film Pack. This combination provides a very rapid means for loading, unloading and changing the exposed film.

THE PRICE

 Graflex Film Pack Adap $2\frac{1}{4} \times 3\frac{1}{4} \times 4\frac{1}{4}$ 4×5 $3\frac{1}{4} \times 5\frac{1}{3}$ 5×7

 ter, Model A
 .
 .
 \$3.50
 \$4.50
 \$5.50
 \$7.50

THE GRAFLEX MAGAZINE PLATE HOLDER

THE Graflex Magazine Plate Holder is designed to carry twelve glass plates or cut films, in separate metal septums. When a plate is exposed the septum is drawn into a leather bag attached to the end of the magazine and re-inserted into the rear of the magazine holder.

Each septum is numbered on the back, the number appearing at a ruby window in the back of the magazine.

SPECIFICATIONS

	$2\frac{1}{4} \ge 3\frac{1}{4}$	$3\frac{1}{4} \ge 4\frac{1}{4}$	4 x 5	$3\frac{1}{4} \ge 5\frac{1}{2}$	5 x 7
Dimensions	$5 x 3\frac{1}{8} x 2\frac{1}{8}$	$6\frac{1}{4}x2\frac{1}{4}x4\frac{1}{4}$	71 x 23 x 5	$7\frac{3}{8}x2\frac{1}{4}x4\frac{1}{2}$	$9\frac{1}{4}x2\frac{5}{8}x6\frac{1}{4}$
Weight	14 oz.	$1\frac{1}{2}$ lbs.	2 lbs.	2 lbs.	31 lbs.

THE PRICE

21 x 31, each									\$11.00
31 x 41, each									13.50
4 x 5, each					,				14.50
31 x 51, each									15.00
5 x 7, each									

THE CROWN TRIPOD

Folmer's Patent, June 23, 1903

THE Crown is a four-section telescopic folding tripod, very rigid, quickly set up and readily adjusted for height. It is made of selected cherry, soaked in oil for ten days before being finished. The wood is then rubbed down and shellacked. This treatment renders it extremely tough and practically waterproof.

No.	1	Crown	Tripod	with	4-inch top .	•			\$7.00
No.	2	Crown	Tripod	with	6-inch top .				7.50
No.	3	Crown	Tripod	with	6-inch top .				9.00
No.	4	Crown	Tripod	with	61-inch top				9.50

EASTMAN PLATE TANK



TO secure the best results, plates should be developed in the Eastman Plate Tank. Development is based on the Time and Temperature method, whereby the exposed plates are immersed in a solution of certain strength, at a certain temperature, for a definite time.

THE PRICE

Eastman Plate Tank,	4 x 5,	for	4 x	5, 31	x 51	, 31	x 41	and	
$2\frac{1}{4} \ge 3\frac{1}{4}$ plates									\$4.00
Eastman Plate Tank,	5 x 7								5.00

KODAK FILM TANK



K ODAK Film Tanks of standard sizes will accept the film spools for the Graflex Roll Holder, as well as those used by the 1A and 3A Graflex.

$3\frac{1}{2}$ -inch Kodak Film Tank, for $3\frac{1}{4} \times 5\frac{1}{2}$ 3A Film, $2\frac{1}{2} \times 4\frac{1}{4}$ 1A Film and $3\frac{1}{4} \times 2\frac{1}{4}$ Eastman Graffex Film No. 50	\$5.50
5-inch Kodak Film Tank, for 41 x 31 Eastman Graflex Film	
No. 51	6.50
7-inch Kodak Film Tank, for 5 ¹ / ₂ x 3 ¹ / ₄ Eastman Graflex Film No. 52, 5 x 4 Eastman Graflex Film No. 53 and 7 x 5 East-	
man Graflex Film No. 54	8.00



KODAK ANASTIGMAT f.4.5

THE Kodak Anastigmat Lens, f.4.5, possesses all of the qualities essential to high speed photography with Graflex Cameras or the Graflex Focal Plane Shutter, and is also especially suitable for home portraiture, groups, landscapes and other varied pictorial subjects.

The excellent definition and uniform illumination throughout the area of the perfectly flat field, obtainable with the full aperture f.4.5, fully meets the requirements of the amateur and professional photographer, who must frequently work under unfavorable light conditions.

The lenses are compactly mounted and provided with Iris Diaphragm.

No.	Size of Plate covered with stop f.4.5 Inches	Equivalent Focus Inches	PRICE Lens in barrel with Iris Diaphragm
30	$2\frac{1}{4} \times 3\frac{1}{4}$	41	\$31.00
31	$3\frac{1}{4} \times 4\frac{1}{4}$	5 <u>1</u>	35.00
32	4 x 5	61	40.50
33	$3\frac{1}{4} \ge 5\frac{1}{2}$	71	50.00
34	5 x 7	$8\frac{3}{4}$	62.00

Note.—All the sizes of the Kodak Anastigmat Lens f.4.5 listed will not be immediately available. The No. 30 $(2\frac{1}{4} \times 3\frac{1}{4})$ and No. 33 $(3\frac{1}{4} \times 5\frac{1}{4})$ will be the first sizes manufactured. The other lenses of the series will follow as quickly as the prevailing conditions will warrant. THIS little booklet does not include the entire line of Graflex Cameras and accessories. Should more complete information be desired, the general Graflex Catalogue may be obtained from a local dealer in photographic supplies.

TERMS

ALL quotations are net and f. o. b. Rochester, but owing to present conditions prices are subject to change without notice. We make no charge for packing, and guarantee safe arrival when forwarded by express. Shipments by mail are always at the risk of the purchaser and postage must invariably be added to the cost.

Remittance can be made by draft on New York, postoffice or express money order, or registered letter. Personal checks from parties unknown to us will delay shipment of goods until check can be collected. Ten cents must be added to all personal checks to cover cost of exchange.

For the convenience of our customers, we suggest they purchase through a regular dealer in photographic goods, as they can thus save time and transportation charges.

FOLMER & SCHWING DEPARTMENT

EASTMAN KODAK COMPANY ROCHESTER, N. Y.

ERKER BROTHERS OPTICAL CO. 608 OLIVE STREET 511 NORTH GRAND AVENUE ST. LOUIS, MO.