



No. 1301



No. 1304

With 7 ft. Oil
Color Extension

5x 6	.....	\$ 7.50	\$11.90
6x 8	.....	12.00	17.25
8x 9	.....	16.00	23.00
8x10	.....	20.00	27.00
9x12	.....	27.00	34.88
10x14	.....	35.00	43.75
10x16	.....	40.00	48.75

Oil extension 12½ cents per square foot, other sizes 25 cents per square foot.



No. 1303

Size	Price	With 7-foot oil-color extension
6x 8 feet	\$ 9.60	\$11.50
8x 8 feet	11.52	18.52
8x10 feet	14.40	23.15
9x12 feet	19.44	27.32
10x14 feet	25.20	33.95
10x16 feet	28.80	37.55

Other sizes, 8x8 or larger,
per square foot\$0.13

Other sizes, smaller than
8x8, per square foot..... .20

Oil-color extension, per
square foot12½

Catalogue No. 21

of

Cameras, Kodaks

Lenses and Photographic Accessories

1923-1924

CENTRAL CAMERA COMPANY
124 So. WABASH AVENUE
CHICAGO, ILLINOIS

IN COMPILING THIS CATALOGUE it has been our desire to set before you in a concise, intelligent and truthful manner, a description of the complete line of the best photographic materials of every description.

As we are not Manufacturers of any line of Cameras or supplies, we have selected the very best in the different line of Cameras, Kodaks, Lenses and Photo supplies, as our one and only aim is to serve our customers to the very best of our ability, and have kept prices at the very lowest, consistent with quality.

It has been the aim of this Company to always keep a trifle ahead of the times, anticipating the trend of Modern Photography; hence we have taken the initiative in making changes and additions to our line, so we solicit the pleasure of serving you, feeling confident that our line now constitutes the very best that will satisfactorily cover your particular field of endeavor. Foreign Goods or other goods which might have appeared on market, not listed in this catalog, will be quoted on application.

HOW TO ORDER GOODS

When ordering—write as plainly as possible and describe goods as definitely as you can, give name, number, size, color and quantity wanted.

Do not overlook the size, number and speed of plates or films and grade and surface of paper.

We will gladly supply you at any time with our order blanks on which to write your orders.

Always state how you desire to have your order shipped, whether by freight, express or mail. When no instructions are given, we use our best judgment.

Be sure to sign your name in full and mention town, county and state.

Our goods are thoroughly examined and carefully packed. If any shipment reaches destination damaged or broken, be SURE to indicate "package broken" on carrier's receipt, and immediately file claim with the transportation company. Our responsibility ceases when goods are delivered to the carrier.

TERMS

Cash with order or C.O.D. Prices in this catalogue are net. When ordering merchandise c.o.d., must remit one-quarter amount of purchase with order to guarantee carriage both ways. You will be credited on bill with full amount paid.

By sending remittance in full with order, time and money are saved, as charges for returning money on c.o.d. shipments are seldom less than 25c and very often more. Remittances should be made in standard exchange, Post office or Express Money Order, bank draft, cash or stamps. Personal checks should be certified and accompanied with a sufficient sum to cover exchange charge. Persons unknown to us disregarding this request will subject their order to delay, until amount of check is collected.

DELAYS IN DELIVERY

We would kindly request our customers to report any unusual delays in deliveries. Orders are filled same day received unless some special work is required such as fitting of Lenses, etc., then, just sufficient time is taken to complete the work. The efficiency of our shipping department and our system of filling orders permits no delays while order is in our hands.

Our stock of merchandise is complete, and a fair assortment is always on hand so that the necessity for substituting is greatly reduced

Established 1899.

CENTRAL CAMERA COMPANY,
A. Flesch, Pres.

Read This Guarantee

ALL KODAKS, CAMERAS, LENSES and accessories listed in this catalogue are thoroughly inspected and are sold to you under the following Iron-clad Guarantee:

We guarantee that every article listed in this catalogue is exactly as described; that it will satisfy you perfectly; that it will give you the service you have a right to expect; that it represents full value for the price you pay.

If for any reason whatever you are dissatisfied with any article purchased from us after a trial of ten days, we expect you to return it to us. We will then exchange it for exactly what you want or refund your money.

CENTRAL CAMERA CO.
A. Flesch, Pres.

PRICES

All prices subject to fluctuations of the market and change without notice.

BUYING AND EXCHANGING

If you have a CAMERA, KODAK or LENS you desire to dispose of for Cash, or wish to exchange for some other outfit, CONSULT US. We can offer you a reasonable sum for any saleable apparatus. For your convenience, you will find enclosed a special query blank on which please describe fully the style, make, etc., of your outfit and what you expect in return, either in cash or merchandise.

If your goods prove satisfactory to us, we will forward our check or merchandise you might select by return mail or express. On the other hand, if our offer does not satisfy you, we will return your goods promptly.

We have been established in the photographic business for the past 20 years, and our appraisers are specialists exclusively trained in this particular line. They are experts in estimating values of all photographic apparatus; thus, you can be assured of a fair valuation of your outfit. Our fair and square method of trading will more than please you.

Established 1899.

CENTRAL CAMERA COMPANY,
A. Flesch, Pres.

Descriptions and price lists heretofore issued are superseded by those contained herein.

A	
Albums	159-161
Apron	104
Art Corners	162
Art Gum	98
Air Brush	139
B	
Balopticans	132
Binoculars	74
Binding Strips	131
Blotters	103
Books, Instruction	89, 93, 141, 171
Bulbs and Tubing	80
Brushes	141
Bottles	153
Backgrounds	173 to back cover
Bulbs, Ruby, Orange and Nitrogen	131-138
Bolting Cloth	106
C	
Cameras, Banquet	49
Cameras, Film	3-13
Cameras, Foreign	14-27
Cameras, Home Portrait	50, 51
Cable Release	80
Card Mounts and Folders	165-172
Changing Bags	104
Chemicals	143
Circuit Cameras	34
Graflex Cameras	29-33
Plate Cameras	35-41
Clips	98, 100
Speed Graphic Cameras	35
View Cameras	42-47
Colors, Water and Oil	140-142
Cotton	152
Cover Glass	125
Chairs	162
D	
Desenol	146
Developers	142-146
Developing, Printing and Enlarging	96
Developing and Printing Outfits	95
Developing Hangers	99
Diffusing Attachments	74, 75
Dressing for Cameras	147
Duplicators	76
Dupli-Kit Rexo	81
E	
Envelopes, Proof	172
Enlargers	121-126
Easel	131
Exposure Meters	87-89
Etchline	147
Enamel Tray and Probus	147
Embossing Tool	103
Embossers	164
F	
Fabrics, Ruby and Orange	109
Film Adapters	81
Film Sheath	81
Films, all kinds	105
Filters	75, 77, 78, 79
Flanges	70-73
Flash Lamps	132-136
Flash Powder and Cartridges	133-134
Fixing Boxes	154
Focusing Cloth	104
Frames, Printing	115-129
Flash Sheets	133
Finder	85
Focusing Glass	85
Funnels	153
Finger Tips	103
G	
Glass, All Kinds	154
Glass Cutter	80
Gloves, Rubber	103
Graduates	153-154
Ground Glass Substitute	150
H	
Hydrometer	94
Hypo	143-144
Hypo Remover	146
Hardner Solio	145
I	
Intensifiers	144-148
Ink	149
K	
Kits for P. Holders	115
Kodaloid	106

L	
Lamp for Dark Room	137-138
Lantern Slide Accessories	125-131
Lenses	52-70
Lens Caps	73
Lens Hood	60
Lenses, Supplementary	74-79
Levels	79
Lens Condensing	129
Light Northern	128
M	
Magnesium	134
Magnifiers	86-94
Masks	106, 116, 131
Mounting Tissue	163
Mailers	172
Measuring Glasses	153
Mortar and Pestle	153
Mounting Press	163
Multiplying Back	48
N	
Negative Books	104
Negative Preservers	104
Neg Dry	148
O	
Opaque	152
P	
Passe Partout	114
Passe Partout Rings	114
Paste	163
Pencils, Retouching	152
Photoscope	162
Plate Holders	81
Plates, Dry	106-107
Plates, Squeegee	103
Pockscope	74
Portrait Attachments	76
Print Dryer	157
Printing Papers	107-113
Printers	116-121
Print Tongs	98
Push Pins	155
R	
Reflector	127
Racks, Negative	103
Reducers	143
Roller	100, 101
Retouching Outfits and Accessories	149-152
Reducing Glass	151
Retouching Desk	151
Redevelopers	146
Rubiline	143
Retouching Dope	150
Reducing Back	48
S	
Stirring Rods	98
Sleeve Protectors	104
Scales	102
Soline	147
Shutters	58, 71-74
Shutter Trippers	94
Spotting Colors and Pencils	149
Sundry Papers	106-109
Stain	144
Sepaline	146
Sensitizers	147-150
Squeegee Rubber	101
Spotlight	127-130
Safelights	137-138
T	
Tablet Crusher	98
Tanks, Developing	97-99, 158
Tape Hinge	114
Telegauge	86
Telemeter	86
Thermometers	91
Timer	102
Toners	144-145
Toning Bath Heater	99
Trays	98, 154, 155
Trimming Board	86-101
Tripods	82-83
Tripod Accessories	83-84
Vignetter	114
Varnish	146, 149, 150
Washers, Plate	156
Washers, Print	156-158
Waxing Solution	149
Wringers	96

Eastman No. 1 Pocket Kodak

Series II
For Pictures 2 1/4 x 3 1/4

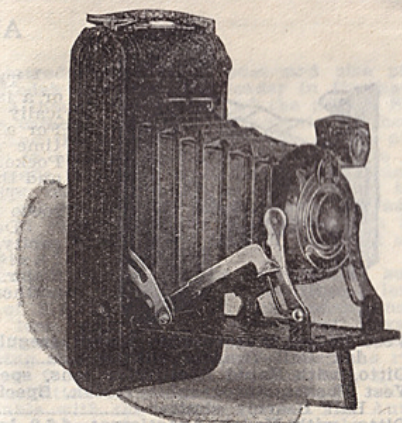
With Kodak Anastigmat Lens f. 7.7
(Focusing Model)

Indoors or out, this new model Kodak makes it easy to get the pictures as you want them.

Its self-erecting front springs the lens into position as the camera is opened and lets you catch the unusual outdoor incidents that come and go so quickly.

The Kodak anastigmat lens f. 7.7 by a simple turn with the fingers, can be focused at seven distances from 5 to 100 feet and the focus is sharp.

The camera is autographic, of course, with the new design, countersunk slot that makes writing on the film easier and gives added compactness to this little Kodak.



PRICE

With Achromatic Lens	\$12.80
With Anastigmat F. 7.7 Lens	19.00
Sole Leather C. Case	2.95
Autographic Films 6 X .....	.20
Portrait Lens .....	.72

Eastman No. 1A Pocket Kodak

Series II For Pictures 2 1/2 x 4 1/4

With Kodak Anastigmat Lens F. 7.7
(Focusing Model)

Indoors or out, this new model Kodak makes it easy to get the pictures as you want them. Its self-erecting front springs the lens into position as the camera is opened and lets you catch the unusual outdoor incidents that come and go so quickly.

The Kodak anastigmat lens f. 7.7, by a simple turn with the fingers, can be focused at seven distances from 5 to 100 feet and the focus is sharp.

The camera is autographic, of course, with the new design, countersunk slot that makes writing on the film easier and gives added compactness to this little Kodak.

PRICE

With Achromatic Lens	\$14.25
With Anastigmat F. 7.7 Lens	20.90
Sole Leather C. Case	2.95
Autographic Films 6 X .....	.30
Portrait Lens .....	.72

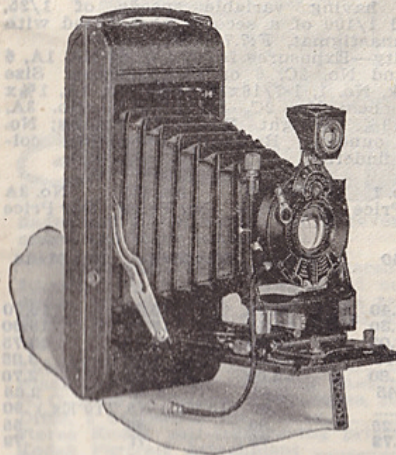
Announcing a New Kodak—No. 2C Autographic Kodak SPECIAL

Enthusiasm genuine and general greeted the 2C picture—2 1/2 x 4 1/4 inches—from the first and now comes the 2C Special, with special equipment for superior pictures in this popular size.

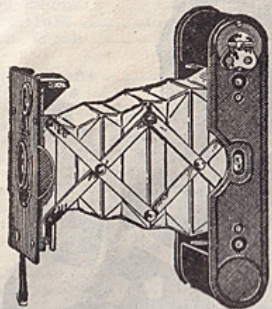
The photographic refinements of the No. 2C Special are so complete that virtually every aid to results is conspicuously present. Kodak Range Finder helps you determine the exact focus, Kodak Anastigmat f. 6.3 is the famous "lens for better pictures," the seven speed Kodamatic shutter is noted for accuracy and the sliding exposure scale automatically indicates the proper time to allow for each stop opening. Additional worth while features include the rising front, screw focusing device, and counter-sunk autographic attachment.

Pictures brilliant, sparkling, microscopically sharp logically result when you press the release on the No. 2C Special.

No. 2C Autographic Kodak Special, fitted with Kodak Anastigmat f. 6.3 lens, 6-inch focus, and Kodamatic Shutter **\$61.75**
Long-grain Leather, Velvet-lined Case, with strap **4.50**



**EASTMAN
AUTOGRAPHIC VEST POCKET AND
V.-P. SPECIAL KODAK**



Though so small as to slip easily into the vest pocket or a lady's hand-bag, the Vest Pocket Kodaks are mechanically as perfect as expert workmanship can make them. For a photographic record of the day's outing, or at any time when a memorandum record is useful, the little Vest Pocket Kodak with its Autographic feature fits into the day and the place. Is a veritable vest pocket notebook.

The specials are covered with the finest pin grain Morocco leather.

Details—For rectangular pictures, 1½x2½ inches. Capacity, 8 exposures without reloading. Size of Kodak, 1x2¾x4¼ inches. Weight, 9 ounces. Brilliant reversible finder. All metal body, black enamel finish and black leather bellows.

PRICE

Vest Pocket Autographic Kodak (regular model), meniscus achromatic lens and Kodak Ball Bearing shutter.....	\$ 6.15
Ditto, with Rapid Rectilinear lens, speed U. S. 8.....	7.60
Vest Pocket Autographic Kodak, Special, Kodak Anastigmat lens, f.7.7, and Kodak Ball Bearing shutter.....	11.40
Ditto, with Kodak Anastigmat, f.6.9 lens.....	16.15
Ditto (Focusing Model), Kodak Anastigmat Lens, F:6.9.....	17.10
Ditto, with Bausch & Lomb Kodak Anastigmat, f:6.9 lens.....	33.25
Leather Case for Vest Pocket Kodak.....	.95
Soft Leather Carrying Bag.....	1.45
Grain Leather Case.....	1.45
Belt Carrying Case (russet leather).....	1.45
Khaki Belt Carrying Case.....	.72
Vest Pocket Kodak Tripod Adapter.....	.48
Autographic Film Cartridge, 8 exposures, 1½x2½ (No. A 127).....	.25
Kodak Portrait Attachment.....	.72

EASTMAN AUTOGRAPHIC KODAK JUNIORS

Takes Pictures	No. 1 2¼x3¼	No. 1A 2¼x4¼	No. 2C 2¾x4¾	No. 3A 3¼x5½
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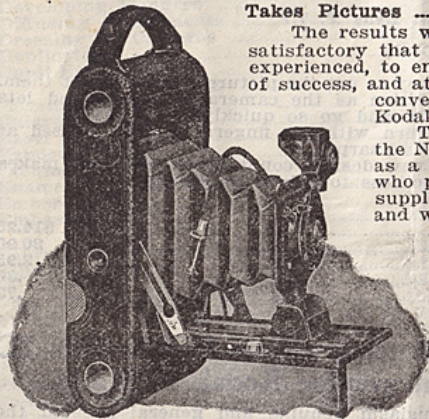
The results with the Autographic Kodak Juniors have been so satisfactory that it has enabled the beginner as well as the more experienced, to enjoy the pleasures of photography with assurance of success, and at a low cost. It has all the daylight features, the convenience and dependability that characterize the Kodak line.

Though simple in every detail as a focusing camera the No. 1 and No. 1A Junior will be supplied, if desired, as a fixed focus camera for the convenience of those who prefer this feature. As a fixed focus camera it is supplied, however, with meniscus achromatic lens only, and when opened for use, is in focus for objects at any distance.

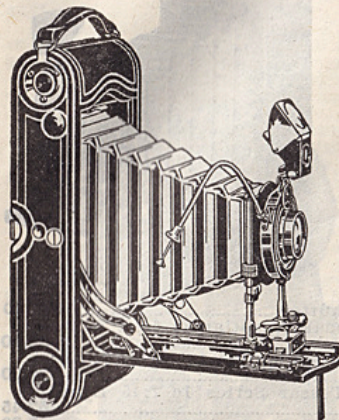
The camera is fitted with the No. 0 Kodak Ball Bearing shutter with cable release, speeds 1/25 and 1/50 of a second, with either Rapid Rectilinear or meniscus achromatic lens, or with No. 1 Kodak Ball Bearing shutter, having variable speeds of 1/25, 1/50 and 1/100 of a second when fitted with Kodak anastigmat, F:7.7 lens.

Capacity—Exposures for No. 1, 6; No. 1A, 6 or 12, and No. 2C, 6 or 10 exposures. Size of Kodak, No. 1, 1-7/16x3¾x6¾; No. 1A, 1½x3¾x8 inches; No. 2C, 1¾x4¾x8¾; No. 3A, 1½x5¼x9¾. Weight, No. 1, 23 ounces; No. 1A, 28 ounces. Brilliant, reversible, collapsible finders.

	No. 1 Our Price	No. 1A Our Price	No. 2C Our Price	No. 3A Our Price
Autographic Kodak Junior (fixed focus), meniscus achromatic lens and Kodak ball bearing shutter.....	\$11.40	\$12.35	Not Made	Not Made
Autographic Kodak Junior (focusing model, with scale), meniscus achromatic lens, and Kodak ball bearing shutter.....	11.40	12.35	15.20	16.70
Ditto, with R. R. Lens.....	13.30	14.25	17.10	19.00
Ditto, with Kodak Anastigmat Lens F:7.7.....	18.05	19.00	21.85	23.75
Black Sole Leather Case, with strap.....	3.15	3.15	3.60	3.85
Soft Leather Carrying Case with Strap.....	1.80	2.00	2.25	2.70
Imitation Leather Carrying Case.....	2.45	2.45	2.65	2.65
Autographic Film Cartridge, 12 Exposures.....	.60	.60 (10 Ex.)	.75 (10 Ex.)	.90
Ditto, 6 Exposures.....	.25	.30	.45	.55
Kodak Portrait Attachment.....	.72	.72	.77	.79



Eastman Autographic Kodaks



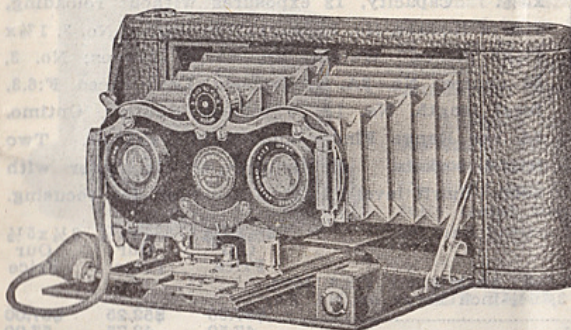
Since its introduction of the post-card size picture, the 3A Kodak has been the leader in the hand camera field. Although the largest of the pocket Kodak series, the camera itself may be pocketed without inconvenience, and the fact that the shape of the picture (3¼x5½) is especially adapted to landscape or portraits, has made it one of our most popular models.

By omitting no detail that is essential to the best results in general amateur photography, and adding none that is superfluous, the 3A Kodak, with its autographic feature, meets every need of the most advanced amateur.

In lens equipment, this camera is regularly supplied with the finest quality Rapid Rectilinear lens, with a speed of F.8, or, if desired, the Kodak Anastigmat, F:7.7 lens, offering the anastigmat advantages at a moderate price. It is also fitted with Kodak Ball Bearing shutter with cable release; has rising and sliding front, and will accommodate glass plates by the addition of a Combination Back, which is interchangeable with the regular back. The Autographic feature, however, can be used only with Autographic Film, not with glass plates. The No. 3 Kodak is practically identical with the 3A.

Takes Pictures.....	No. 1A, 2¼x4¼	No. 3, 3¼x4¼	No. 3A 3¼x5½
	Our Price	Our Price	Our Price
R. R. Lens, Kodak Ball Bearing Shutter....	\$18.05	\$18.05	\$21.35
Ditto, Anastigmat Lens, F:7.7, Ball Bearing Shutter.....	22.80	22.80	26.15
Ditto Velostigmat Ser. 4, F:6.3 Anastigmat Lens, Auto Shutter.....	43.25	43.25	48.20
Ditto with Optimo Shutter.....	50.00	50.00	54.20
Black Sole Leather Case, with strap.....	3.15	3.45	4.05
Soft Leather Carrying Bag.....	2.00	2.25	2.70
Imitation Leather Carrying Case.....	2.45	2.45	2.65
Combination Back, with ground glass.....	.....	3.30	3.80
Double Glass Plate Holder.....	.....	1.45	1.45
Autographic Film Cartridge 12 exposures....	.60	.90 (10 ex.)	.90
Ditto, 6 exposures.....	.30	.45	.55
Kodak Portrait Lens.....	.72	.72	.72

Stereo Kodak



The correct visual effect in a picture can only be obtained by the use of twin lenses, followed by viewing the twin pictures through a stereoscope. Such pictures give the full effect of depth, roundness, distance and perspective that we see with the eyes. There is no better camera for making such pictures than the Stereo Kodak.

The Stereo is supplied with carefully matched Kodak Anastigmat f. 7.7 lenses of the best quality; the shutter is of the double valve automatic type, for retarded speeds from 1 to 1-100 of a second, also bulb and time exposures. The camera is equipped with rising front; rack and pinion for focusing; view

finder and tripod socket. It is covered with fine seal grain leather and metal parts are in nickel and black enamel.

DETAILS—For standard Stereo size pictures. Capacity, 6 exposures. Size of Kodak 2¼x4¼x10½ inches. Weight, 47 ounces. Focal length of Lenses, 5¼ inches. Brilliant finder, tripod socket, rising front rack and pinion for focusing and black leather bellows. Stereo Kodak, Model No. 1, Kodak Anastigmat lenses, F:7.7, and Stereo.

	Our Price
Automatic shutter.....	\$47.50
Black Sole Leather Carrying Case.....	5.70
N. O. Film Cartridge, 6 exposures, for Stereo (No. 101).....	.70
Ditto, 3 exposures for Stereo.....	.35
Stereo Kodak self-transposing printing frame.....	4.25
Kodak Portrait Attachment.....	.79

Eastman No. 1 Autographic Kodak Special, New Model

Here is quality. The No. 1 Special is a small camera for a comparatively small picture, but nothing has been sacrificed for mere littleness. The lenses have a sufficient length of focus to give the desirable perspective, and the shutter is large enough to give the full benefit of the high speed of the lenses.

DETAILS: For rectangular pictures, 2 1/4 x 3 1/4 inches. Capacity 6 exposures without reloading. Size of Kodak 1 1/8 x 3 1/8 x 6 7/8 inches. Weight, 15 ounces. Lens, focal length, 4 1/2 inches. Shutters, Ilex or Acme, with cable release. New brilliant, reversible, collapsible finder. Two tripod sockets and new lever focusing device. Covered with finest quality long grain calf.

- No. 1 Autographic Kodak, Special, with Kodak Anastigmat, f:6.3 Lens, 4 1/2-inch focus, and Kodamatic Shutter\$47.50
- No. 1 Autographic Kodak, Special, with Bausch & Lomb Kodak Anastigmat f:6.3 Lens No. 1, 4 1/2-inch focus, and Kodamatic Shutter..... 58.90
- No. 1 Autographic Kodak, Special, with Bausch & Lomb Tessar Series 11b f:6.3 Lens No. 3, 4 1/2-inch focus, and Kodamatic Shutter..... 70.30
- No. 1 Autographic Kodak, Special, with Bausch & Lomb Tessar Series 1c f:4.5 Lens No. 12, 3 1/2-inch focus, and Kodamatic Shutter..... 67.45
- Long-grain Leather, Velvet-lined Case, with strap..... 3.80

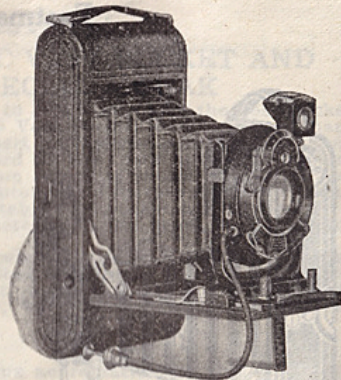
Eastman No. 1A, No. 3 and No. 3A Autographic Kodaks, Special

NO. 1A AND 3A ARE THE RANGE FINDER MODELS

The Eastman Special, is typical of the best that is possible in efficiency, beauty in design and finish; in speed and accuracy in hand cameras. Equipped with the finest Anastigmat lenses, and a shutter speed capable of working harmoniously with the high-speed lenses, it meets every amateur requirement for quick, accurate results.

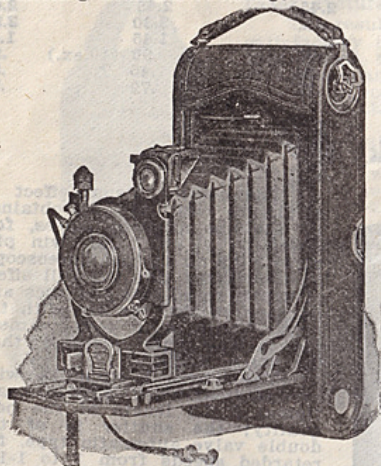
It is beautifully finished and covered with the finest long grain calf, and the best materials are used throughout in its construction.

One of the big features of this Kodak is the Kodak Range Finder in 1A and 3A sizes, permitting accurate focusing.



Nos. 1A, 3 and 3A Autographic Kodaks, Special

DETAILS: For rectangular pictures, No. 1A, 2 1/2 x 4 1/4 inches; No. 3, 3 1/4 x 4 1/4 inches; No. 3A, 3 1/4 x 5 1/2 inches. Capacity, 12 exposures without reloading. Size of Kodaks, No. 1A, 1 5/8 x 3 3/8 x 8 inches; No. 3, 1 7/8 x 4 1/2 x 8 inches. Weight, No. 1A, 34 ounces; No. 3, 32 ounces; No. 3A, 42 ounces. Lens speed F:6.3, focal length, No. 1A, 5 inches. Shutter, Optimo. 3A has Range Finder and Optimo shutter. Two tripod sockets. Brilliant reversible finder with hood. Spirit level. Rack and pinion for focusing.



	2 1/2 x 4 1/4 Our Price	3 1/4 x 4 1/4 Our Price	3 1/4 x 5 1/2 Our Price
Autographic Kodak, Special with Kodak Anastigmat f:6.3 lens, 5-inch focus on No. 1A and No. 3, 6 3/4-inch focus on No. 3A, and Kodamatic Shutter.....	\$57.00	\$52.25	\$67.00
Ditto, with Ilex or Optimo Shutter.....	47.50	42.75	57.00
Autographic Kodak, Special, with Bausch & Lomb Kodak Anastigmat f:6.3 lens No. 2—5 1/4-inch focus on No. 3 lens, No. 4—6 3/4-inch focus on No. 3A, and Kodamatic Shutter.....	69.15	66.50	85.50
Ditto, with Ilex or Optimo Shutter.....	59.85	57.00	76.00
Autographic Kodak, Special, with Bausch & Lomb Tessar Series 11b Anastigmat f:6.3 lens, No. 4—5 1/4-inch focus on No. 3 lens, No. 5K—7 1/4-inch focus on No. 3A, and Kodamatic Shutter.....	78.95	76.00	95.00
Ditto, with Ilex or Optimo Shutter.....	67.45	66.50	85.50
Grain Leather, Velvet Lined Case, with strap.....	4.45	4.45	4.95
Soft Leather Carrying Bag.....	2.00	2.25	2.70
Combination Plate Attachment.....	\$4.25		\$4.75
Double Plate Holder for above.....	1.45		1.45
Kodak Cut Film Sheaths for above.....	.10		.15
Kodak Portrait attachment.....	.72		.72
Kodak Ray Filter.....	1.15		1.50
Kodak Sky Filter.....	1.15		1.50
Diffusion Portrait Lens No. 5.....	1.45	No. 6	1.45

The Paff Reflex Camera

The Simplest, Lightest and Most Compact Reflex Camera

An imported camera capable of the finest results at an exceptionally low price. Fitted with an Anastigmat lens with a speed of F:6.8 manufactured by Meyer-Goerlitz, it gives pictures of exceptional brilliancy and sharpness and is so fast that good results may be obtained under conditions where a cheap lens would fail. Yet all the simplicity of operation of the most ordinary lens is retained. No focusing is required, nor is there any complicated shutter to wind. A single pressure of a lever sets both mirror and shutter and at a touch the photograph is taken.

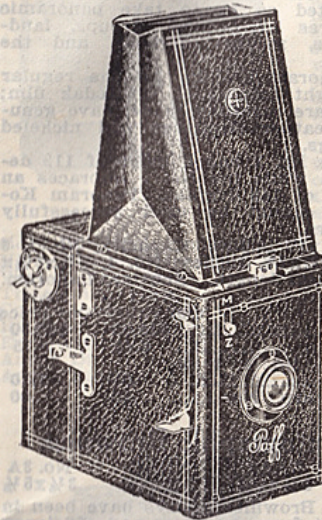
The object may be viewed full size, right side up, just as with the most expensive cameras, up to the instant of exposure.

Supplied in two models, vest pocket size film pack, and 2 1/4 x 2 1/4 roll film. Films or film packs of any make may be used, these sizes being standard. The original negatives may be enlarged many times without loss of sharpness.

Dimensions:
Roll Film Model No. 21.....3 1/4 "x4 1/4 "x5" —Weight 16 oz.
Film Pack Model No. 4.....2 1/4 "x4 1/4 "x4 1/4 "—Weight 11 oz.

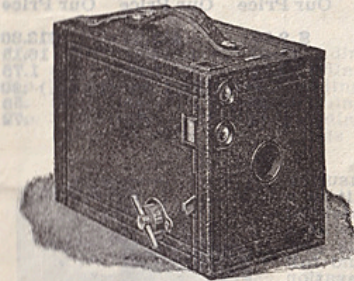
- Prices:
Paff Reflex, complete with Hugo Meyer Goerlitz Trioplan Anastigmat F:6.8, for V.P. film pack. \$13.50
Paff Reflex, complete with Hugo Meyer Goerlitz Trioplan Anastigmat F:6.8, for Roll film 2 1/4 x 2 1/4 15.00

Shutter has only one snap-shot speed, but it can be set for time exposures. It has three diaphragm openings. The roll film model accommodates the standard American No. 1 Brownie roll film. The film pack model accommodates the Premo film pack No. 300, vest pocket size.



Eastman Box Brownies

	No. 0	2	2A	3 or	2C
Takes Pictures	1"x2 1/4"	2 1/4"x3 1/4"	2 1/2"x4 1/4"	3 1/4"x4 1/4"	2 3/4"x4 1/4"



That the Brownie idea of simplicity and reliability combined in an inexpensive camera has stood the test of years is proven by the thousands of Brownie enthusiasts all over the world, who are making perfectly satisfactory pictures with them.

Anybody can make good pictures with them from the start. They have the Automatic shutter for snapshots and time exposures; the No. 0 with one stop and No. 2, 2A and No. 3 with three stops. Each has carefully tested meniscus lens and view finders for vertical and horizontal exposures.

OUR PRICE

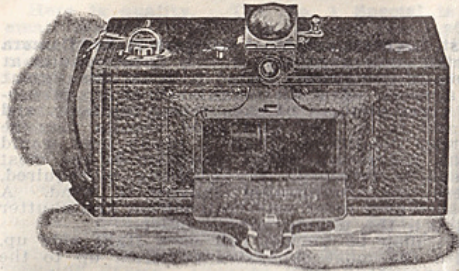
	No. 0	No. 2	No. 2A	No. 2C	No. 3
Brownie Camera	\$1.90	\$2.35	\$3.20	\$4.75	\$4.25
Brownie Carrying Case with strap.....	.95	1.22	1.45	1.55	1.55
N. C. Film Cartridge, 8 exposures, (No. 127) for No. 0.....	.25	---	---	---	---
Ditto, 6 exposures	---	.25	.25	.45	.45
Ditto, 12 exposures	---	---	.60 (10Ex)	.75	.90
Kodak Portrait Attachment .....	.72	.72	.72	.72	.72
Developing and Printing Outfit, No. A, \$2.35.....	---	B	2.70	---	---

Either of these Models is particularly suitable for those who do not wish to invest much and still obtain for their money an equipment capable of producing good results.

They are very easily manipulated.

The Eastman Panoramic Kodaks

Takes Pictures, No. 1—2¼x7; No. 4, 3½x12



The Panoramic Kodak does a special kind of work—a very desirable kind of work which cannot be done with a camera of any other type.

As its name implies, it is constructed so as to take panoramic pictures of outdoor groups, landscapes, mountain views, and the like.

Panoram Kodaks use the regular daylight loading N. C. Kodak film; they are carefully made, have genuine leather coverings and nicked fittings.

The No. 1 has a scope of 112 degrees, while the No. 4 embraces an angle of 142 degrees. Panoram Kodaks cannot be used successfully indoors.

DETAILS—For pictures, No. 1, 2¼x7 inches; No. 4, 3½x12 inches. Capacity, No. 1, 6 exposures; No. 4, 4 exposures. Size of Kodak, No. 1, 3¼x4½x7½ inches; No. 4, 4¼x5½x10¼ inches. Lenses, specially selected as to quality and focal length. Shutter, Panoram. Two sockets. Brilliant finder with hood.

Panoram Kodak	Our Price	No. 1	Our Price	No. 4
Black Sole Leather Carrying Case, with shoulder strap	\$19.00		\$23.50	
N. C. Film Cartridge, No. 1, 6 exposures, 2¼x7 (No. 105); No. 4, 4 exposures, 3½x12 (No. 103)	6.45		8.75	
Ditto, 3 exposures, No. 4; or 2 exp., No. 1	.55		1.10	
	.25		.50	

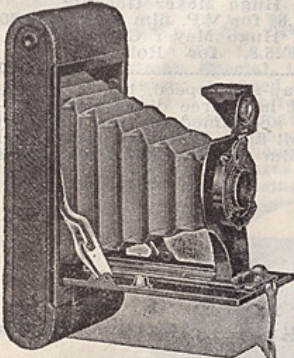
Eastman Folding Autographic Brownies

Takes Pictures No. 2 2¼x3¼ No. 2A 2¼x4¼ No. 2C 2½x4½ No. 3A 3¼x5¼

As popular as the folding Brownies always have been in the past, in their new compact form, new size and efficiency with the added Autographic feature, they have won an enviable place in the camera world.

These thoroughly reliable little instruments load in daylight with Autographic Film Cartridges; fitted with meniscus achromatic lenses, or if desired the Rapid Rectilinear lenses. Have the Kodak Ball Bearing shutters with time and bulb actions and speeds of 1/25 and 1/50 and 1/100 of a second.

The cameras are made of metal, covered with durable imitation leather; are well made and carefully finished in every detail.



	No. 2	No. 2A	No. 2C	No. 3A
	Our Price	Our Price	Our Price	Our Price
Folding Autographic Brownie, Meniscus Achromatic Lens, and Kodak Ball Bearing Shutter	\$ 8.55	\$ 9.50	\$12.35	\$13.80
Ditto, with Rapid Rectilinear Lens	10.45	11.40	14.25	16.15
Carrying Case	1.45	1.55	1.65	1.75
Film, 12 exposures	.60	.60 (10 Ex.)	.75 (10 Ex.)	.90
Film, 6 exposures	.25	.30	.45	.55
Kodak Portrait Attachment	.72	.72	.72	.72

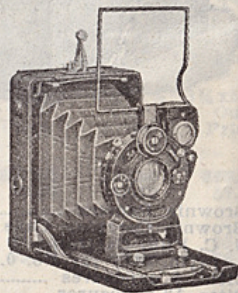
Ica Victrix

The Victrix is the most compact of all Ica cameras, measuring 1¾x2¾x3¾ in. and weighs but 13 ounces. For its size it is a most remarkable camera, for it embodies most of the essential features for serious photography seldom found in cameras of a much larger size. The front, which is absolutely rigid, is provided with horizontal movement which serves as a rise and fall when pictures are made in a horizontal position. The elevation of the front is accurately indicated in the iconometer direct wire view finder with which the camera is equipped. A reversible reflecting finder is also provided. Focusing is accomplished by means of the lever focusing device for distances as close as six feet. The camera is fitted with a hooded ground glass focusing back by means of which the image may be observed on the ground glass the same as with large cameras. There are two standard size tripod sockets.

The Compur Shutter furnished has speeds ranging from 1 to 1/300 of a second, so that with the Victrix high speed pictures, such as of athletic events, races, etc., are possible.

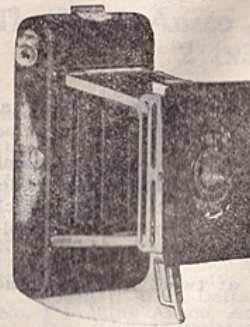
PRICES

With Hekla Lens, f6.8	\$42.50
With Dominar Anastigmat, f4.5	55.00
With Carl Zeiss Lens, Ser. Iib, f6.3	62.50
With Carl Zeiss Lens, Ser. Ic, f4.5	67.50
Extra plate holders, each	.50
Film pack adapter	2.50
Plate magazine holding 12 plates	30.00
Five times yellow glass filter	5.00
Leather carrying case	4.50



The No. 0 Anso

(Vest Pocket)



The new No. 0 Anso represents the best in design and equipment among cameras of the vest-pocket type. It measures only 1 by 2½ by 5 inches in size and weighs but 10½ ounces, thus truly fitting the vest-pocket, and operates with a positive action highly desirable in a camera designed to take pictures, if need be, in a hurry. It is, in fact, the only self-opening camera made. This is made possible by the single-arm extension system, with its knife-joint tension, which is released by pressure on metal push-buttons located where thumb and finger naturally grasp the camera. Great rigidity as well as speed in operation is obtained by this feature.

The No. 0 Anso is a fixed-focus camera, equipped with a new highly-corrected anastigmat lens and special shutter which assure crisp brilliant pictures under widely varying conditions, as the lens has somewhat more than four times the speed of lenses supplied with box cameras and is also specially corrected for definition at large apertures. The shutter permits speeds of 1/25, 1/50, and 1/100 second, besides Bulb and Time, and is a high-grade mechanism of great accuracy and precision.

No. 0 Anso, Anso F 7.5 Anastigmat Lens, 3¾ inches focus, Ilex Anso Shutter	\$11.87
Wire Release, extra	.48
Tripod Adapter	.95
Composition Leather Carrying Case	.95
Black or Tan Leather Holster	2.15
Eight-exposure Film	.24
Anso Direct View Finder	2.50
Anso Portrait Attachment	.72

The Anso Memory Kit

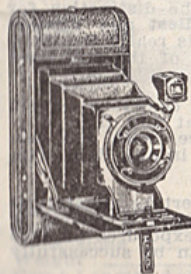
The Anso Memory Kit, comprises a camera and a supply of Anso film in a richly-finished mahogany chest, embellished with a burnished metal plate for the owner's name or initials. As a gift at any season of the year—for birthday, graduation, wedding, or Christmas—it carries that intimate personal touch so elusive yet so generally sought. Moreover, it is a notably practical unit, so much so that the Anso Memory Kit has been selected for the personal use of the purchaser about as often as for a gift. All three cameras offered are of undeniable merit and convenience, and the whole is so attractive that it is naturally kept in the living room, thus acting as a suggestion to take pictures whenever the family is assembled. The provision of a receptacle for both camera and film protects the former and is better assurance that the latter will be available when needed.

The three cameras from which a choice may be made are models that can be particularly recommended for presentation purposes, as they are handsome little cameras adapted to all users.

No. 1 Anso Memory Kit, including (1) solid mahogany chest, (2) No. 1 Anso Junior and (3) 4 rolls 4A Anso Film, 2¼x3¼	\$17.00
No. 2 Anso Memory Kit, including (1) solid mahogany chest, (2) No. 1 Folding Anso, and (3) 4 rolls 4A Anso Film, 2¼x3¼	21.50
No. 3 Anso Memory Kit, including (1) solid mahogany chest, special finish, (2) No. 1 Anso Speedex, and (3) rolls 4A Anso Film, 2¼x3¼	40.00

Vest Pocket Rexo

FOR PICTURES 1½x2½



The V. P. Rexo is a marvel of compactness and photographic efficiency. It weighs only 8 ounces and measures when closed 1x2½x5½. A true vest pocket camera, conveniently carried in any pocket, lady's muff or hand-bag.

DAYLIGHT LOADING ROLL FILMS—EIGHT EXPOSURES

Shutters—Ultra, Time, Bulb, 1/25 and 1/50 second; Ultex, Time, Bulb, 1/25, 1/50 and 1/100, second; Ilex No. 00 Acme, Time, Bulb, 1, ½, 1/5 1/25, 1/100, 1/200 and 1/300 second.	Our Price
V. P. Rexo with Universal Focus, Achromatic Lens and Ultro Shutter	\$ 7.37
Same, with Rapid Rectilinear Lens	8.55
Same, with Rexo Anastigmat F:7.5 and Ultex Shutter	12.85
Same, with Rexo Anastigmat F:6.3 and Ilex Acme Shutter	26.15
Same, with Goerz Dagor F:6.8 and Ilex Acme Shutter	60.00
Same, with Goerz Dogmar F:4.5 and Ilex Acme Shutter	60.00
Combination Leather Carrying Case and Holster	1.70
Rexo Record Speed Film, 1½x2½, 8 exposures	.24

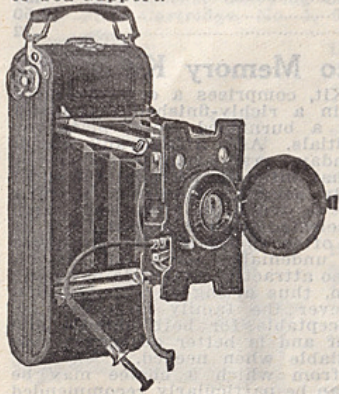
The No. 1 Expert Anasco

is a focusing camera and is supplied either with Anasco Anastigmat lens, working at F:6.3, in Gammax shutter.

An Anastigmat lens is of little value unless it can be used at full opening, which cannot be done without focusing. The micrometer focusing device, with which this model is equipped, consists of a milled disk and flange located just back of the lens plate which may be operated instantly and easily while locating the object in the finder. A simple turn of the disk enables the operator to set the focus at any point desired.

Can be used as a fixed focus camera by setting the distance at twenty-five feet and using the F 16 diaphragm opening.

The camera is fitted with a hinged watch-cover lid to protect the lens, has both vertical and horizontal brilliant view finders, stationary footrests for support in either upright or horizontal position, heavily nicked metal parts and genuine fine grain black leather covering. The side arms are so supported within the body of the camera that when extended they afford, by means of their knife-joint tension, absolute rigidity in the lens plane. This is a feature found in no other folding camera that does not have a platform or bed support.



Dimensions.....	1 1/4 x 2 3/4 x 6	Weight.....	16 oz.
With Anasco Anastigmat lens, F:6.3, Gammax shutter..			\$23.25
Sole leather holster with belt and shoulder straps			2.65
Leatherette carrying case with shoulder strap			1.65
Anasco Portrait Attachment .....			.72
Six-exposure film .....			.24

The No. 1 Anasco Speedex and Super Speedex

In pocket photography the maximum of speed, efficiency, size of picture, coupled with quick action, as well as minimum of bulk, weight and bother have been reached with the Anasco Speedex and Super Speedex. While they differ from the other models in that it is a platform camera, it preserves the same dimensions which have earned the distinction for the Anasco V-P camera of being the smallest and lightest camera made to take 2 1/4 x 3 1/4 pictures. It is really the vest-and-hip-pocket camera, or handbag edition of the full-sized Anasco Speedex series.

These models satisfy the demand for a camera so small, light and efficient that it can be carried at any time, anywhere, without the slightest inconvenience, with the certainty of making good pictures everywhere in any light without undue effort on the part of the user.

The speed advantage of these large aperture anastigmat lenses means that snapshots can be made on dull, cloudy or rainy days or late in the afternoon with exposures of 1/25 second, and that rapidly moving objects can be successfully photographed.

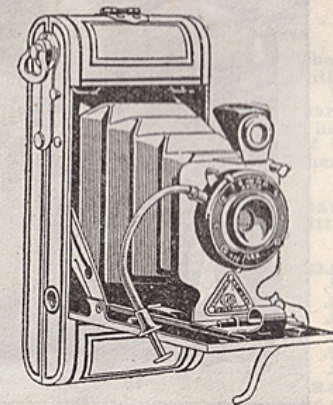
Weight, 16 oz. Focal length of lens, 3 1/2 in.

No. 1 Anasco Speedex, with Anasco f:6.3 Anastigmat Lens, Acme Speedex Shutter.....	\$34.20
No. 1 Anasco Super Speedex, with Anasco f:4.5 Anastigmat Lens, Acme Speedex Shutter..	48.45
No. 1 Anasco Super Speedex, with Bausch & Lomb Tessar f:4.5, Acme Speedex Shutter..	66.50
Sole leather holster with belt and shoulder straps.....	2.65
Chamois-lined leather carrying case with shoulder-strap, lock and key.....	4.75

The No. 1 Anasco Junior and Juniorette for 2 1/4 x 3 1/4 Pictures

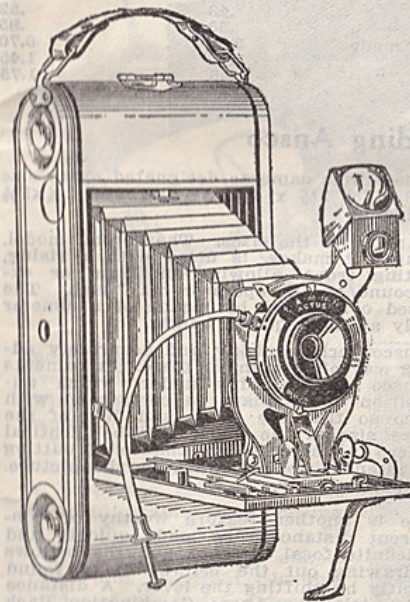
These cameras are covered with a high-grade material, beautifully finished. The shutters with which they are equipped are precisely timed for automatic exposures and the lenses with which they are fitted have been carefully selected so as to assure the highest possible results within their capabilities. Load in daylight for 6 exposures. View Finder for horizontal or vertical, size when closed 2 1/4 x 6 x 1 1/4.

No. 1 Anasco Junior, Rapid Rectilinear Lens, speed U. S. 4, Ilex Anasco Shutter	\$12.82
No. 1 Anasco Juniorette, single Achromatic Lens, speed U. S. 8, Deltax Shutter	11.40
No. 1 Folding Anasco, Anasco, f:7.5 Anastigmat Lens, Ilex General Shutter	17.10
Film, 6 exposure .....	.24
Portrait Lens .....	.72
Carrying case with shoulder strap	1.45
Composition Leather carrying case	1.65
Sole Leather case	2.65



Anasco Junior

Nos. 1A, 2C, 3 and 3A—2 1/2 x 4 1/4, 2 7/8 x 4 7/8, 3 1/4 x 4 1/4, 3 1/4 x 5 1/2



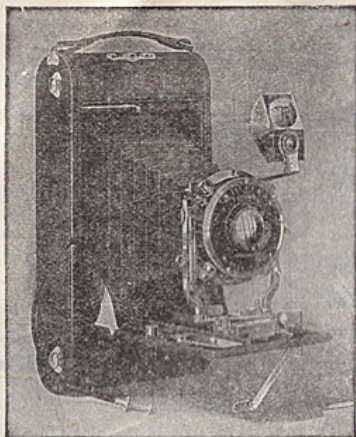
To amplify the price range of the Anasco series and provide cameras possessing maximum efficiency, at minimum cost to the purchaser, the Anasco Junior family has been created. Four models are offered, known as No. 1A, No. 2C, No. 3 and No. 3A, for pictures 2 1/2 x 4 1/4, 2 7/8 x 4 7/8, 3 1/4 x 4 1/4, and 3 1/4 x 5 1/2 inches, respectively. These sizes are all of the same pleasing proportions and differ only in the area of the picture included within these limits.

These cameras are furnished with single achromatic, rapid rectilinear and have the Anasco self-leveling finder. It is desirable to know that the camera is being held level when an exposure is being made. The sensitive pendulum bob hung at the center of the finder hood enables the operator to know that the camera is exactly level and that there is no danger of spoiling the symmetry of the picture by having the lines askew. This finder can be opened for cleaning both lenses and mirror.

The cameras are covered with best seal grain composition leather, have genuine leather bellows, Anasco spool-holding arrangement, aluminum bed and back, two tripod sockets and vertical and horizontal footrests.

SPECIFICATIONS

	No. 1A	No. 2C	No. 3	No. 3A
Size of picture.....	2 1/2 x 4 1/4	2 7/8 x 4 7/8	3 1/4 x 4 1/4	3 1/4 x 5 1/2
Size of film.....	6A or 6B	26A or 26B	7A or 7B	18A or 18B
Dimensions	1 1/4 x 4 x 8 1/2	1 3/4 x 4 1/2 x 8 3/4	1 3/4 x 4 1/2 x 8 3/4	2 x 4 1/4 x 9 1/2
Weight	24-oz.	26 oz.	26 oz.	31 oz.
Focal Length, Achromatic lens.....	4 1/2 in.	5 1/2 in.	5 3/4 in.	6 in.
Focal Length Rectilinear lens.....	4 3/4 in.	5 1/2 in.	5 3/4 in.	6 1/2 in.
Price, Achromatic lens, Actus shutter	\$12.35	\$15.20	Not Made	\$16.60
Rectilinear lens, Deltax shutter.....	16.15	17.10		19.00
Sole leather carrying case.....	3.80	3.80	4.25	4.25
Anasco Portrait Attachment.....	.72	.72	.72	.72
Six-exposure film .....	.28	.43	.52	.52
Ten-exposure film .....	.71	.71	.85	.85
Twelve-exposure film (6B).....	.57			



Anso Speedex

(Folding Anso Series F:6.3 Anastigmat Class)

The Anso Speedex family is the highly efficient and de luxe member of the Folding Anso series. It is structurally the same as the Nos. 1A, 3 and 3A Anso Speedex.

The Anso Speedex, as the name implies, is intended for extra high-speed work, and is therefore equipped with Anso Anastigmat lens, F:6.3, and Speedex or Ilex Acme shutter, capable of a maximum speed of 1/300 second. To be in keeping with its high-grade lens and shutter equipment, all the trimmings and adjustments are carefully finished. The covering is of genuine Persian morocco, with rich black leather bellows.

Size of picture	No. 1A 2 1/2 x 4 1/4 Our Price \$42.75	No. 3 3 1/4 x 4 1/4 Our Price \$45.60	No. 3A 3 1/4 x 5 1/2 Our Price \$52.25
Sole leather carrying case, suede lined.....	4.75	4.75	5.70
Portrait Attachment.....	.72	.72	.72
Six-exposure film (6A).....	.28	.43	.52
Twelve-exposure film.....	.57	.85	.85
Combination back.....	not made	5.70	5.70
Extra Plate Holder.....	" "	1.45	1.45
Film Pack Adapter.....	" "	1.25	1.75

Folding Anso

In this class are embraced three cameras designated as to size as No. 1A, No. 3 and No. 3A, for 2 1/2 x 4 1/4, 3 1/4 x 4 1/4 and 3 1/4 x 5 1/2 (postcard) pictures, respectively.

The differences may be noted in the sizes. The second model, because of the larger pictures it makes, is fitted with a rising, lowering and laterally-shifting front, allowing inclusion or exclusion of the sky or foreground as the operator may wish. The front of the camera is raised or lowered by means of a cimeter lever that locks automatically at the required height.

To make the folding Anso series quickly and accurately adjustable for pictures the long way of the film or plate, the cameras are provided with the Anso exact radius finder, which automatically reverses the position of its plane to correspond with the focal plane of the Anso so that the shape and field of the picture shown of a miniature size in the finder will be identical to be taken on the film. There is, therefore, no chance of cutting off a pretty girl's head or leaving out any object intended to be shown in the picture. The exact radius finder, consisting of twenty-eight separate parts.

The Anso automatic adjustable focusing device is another feature worthy of consideration, for with it changes necessary for different distances are made quickly and with remarkable precision. It may be set for a definite focal distance and the bellows locked at that point automatically, but if after drawing out the bellows it is found desirable to change the distance, it can be done instantly by shifting the lever. A distance scale is provided for films and in the cameras which take the Anso Combination Back Attachment a scale for use with plates is also made a part of the equipment.

The No. 3 and No. 3A may be used with dry plates or film packs by means of combination back attachment and adapter.

The cameras of this class are made of aluminum, covered with best seal grain leather. The regular shutter equipment consists of either Bionic or Ilex General, Capax or Ilex Universal, the choice resting with the purchaser.

	2 1/2 x 4 1/4 Our Price \$26.15	3 1/4 x 4 1/4 Our Price \$28.50	3 1/4 x 5 1/2 Our Price \$28.50
Anso Lens, F:7.5, Ilex Universal Shutter.....	3.80	4.25	4.25
Sole Leather Carrying Case.....	.72	.72	.72
Anso Portrait Attachment.....	.28	.43	.52
Six-exposure film.....	.57	.85	.85
Twelve-exposure film.....	not made	4.75	4.75
Combination Back.....	" "	1.45	1.45
Extra Plate Holder.....	" "	1.75	1.75
Film Pack Adapter.....	" "		

Expo Watch Camera



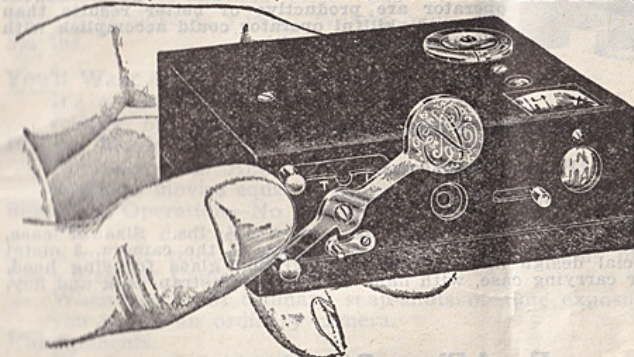
This Expo, which is a well made and finely finished little instrument, looks exactly like and is but slightly larger than a watch, and weighs but three ounces. It loads in daylight with a film for 25 pictures, 5/8 x 3/4 (sharp negatives may be enlarged as large as 3 1/4 x 5 1/2) and has time and instantaneous shutter. It is simplicity itself to manipulate, and takes pictures through the stem, where the rapid-fire little lens is located.

Some of the leading newspapers of the country have scored important news "beats" with the aid of this little camera.

Expo Watch Camera.....	\$3.50
Leather Case for same.....	.50
25 Exposure Roll Film.....	.30
10 Exposure Roll Film.....	.20
Printing Frame, Holding 8 negatives.....	.35
Expo Model A Ground Glass Finder.....	.75
Expo Model B Brilliant Finder.....	.85
Expo Daylight Developing Tank (Watch Film).....	2.85
Expo Enlarger for 2 1/4 x 3 1/4 pictures.....	3.00

Expo Police Camera

(The Newest, Smallest No-Bellows Roll Film Camera Yet Made.)



The Police Camera, the newest (patents 1911) and most unique small camera on the market, is, as its name implies, designed for instant use, without wasting the time or attracting the attention that is unavoidable in taking pictures, even with the smallest folding or bellows camera.

And besides this great advantage the Police Camera is so small—2 1/2 x 3 3/8 x 1 inch thick—that it can be carried in the pocket and be unnoticed.

It is of fixed focus and the

most easily operated camera ever made. A self-contained brilliant finder is built into the camera.

It has a focal-plane (curtain) shutter and is fitted with a first-class achromatic lens with adjustable stop, opening F. 16, F. 22.

It has a remarkably simple roll-film, daylight-loading holder of twelve exposures, and this holder is so arranged that it need only be put into the camera, as it comes from the package, and when the film-winding key has been revolved as directed the camera is ready for action.

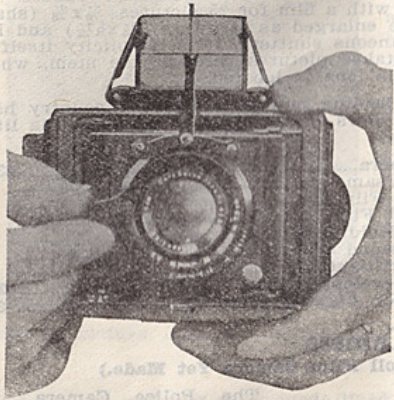
The size of the Police Camera negatives are 1 x 1 1/8 inches—larger than the negatives from which the standard moving pictures are made—and while this size makes a picture that is both attractive and interesting, with the Police Camera Enlarger, full postcard size pictures, without loss of detail, are obtainable. The Police Camera is made of metal throughout and is handsomely and durably finished.

Police Camera, without leather case.....	\$7.00
Expo Police Camera, complete with carrying case.....	8.00
Police Camera Films, 12 Exposures.....	.30
Police Enlarger.....	4.00



Some examples of work done with Expo Police Camera.

Ernemann Miniature Focal Plane Camera



This remarkable little instrument has incorporated in it, all of the distinctive features found in the larger models, and is equipped to actually do, as much or more than a Reflecting Type Camera, weighing as much as 9 pounds,—yet—such is the watchlike precision of its construction, that it is practically as light and small as an ordinary Vest Pocket Camera. It is equipped for the use of both plates and film packs, and is finished in Ebony black with polished nickel trimmings and is provided with two tripod sockets.

The leather used in covering the bodies of Miniature Focal Plane Cameras is selected hand buffed black leather of the highest quality, any desired size, giving pictures that rival contact prints in many respects.

The Ernemann Focal Plane Camera is what might be termed, "the last word" in scientific camera construction, and is recommended to workers in all branches of photography.

Photographic instruments of accuracy and precision in the hands of the average intelligent operator are productive of better results than the most skillful operator could accomplish with an inferior equipment.

Ernemann Miniature Focal Plane Camera

1½x2½" (4.5x6cm)

For Plates and Film Packs

Size of camera when closed, 1½x3x4". Weight of camera 1½ lbs. Size of case, 3½x4¼x5¾". Weight of outfit complete 2½ lbs. Outfit consists of the camera, 3 metal plate holders in case, one special design film pack adapter, ground glass focusing hood, sliding front board, sole leather carrying case, with hand and shoulder strap, lock and key.

Ernemann Focal Plane Cameras

2¼x3¼" (6.5x9cm)

For Plates and Film Packs

Weight of Camera, 2½ lbs. Size of Camera, 2x4x5½" Weight of outfit complete 4 lbs. Size of case, 4½x6½x6¾".

Ernemann Miniature Focal Plane Camera

For Pictures, 1½x2½" (4.5x6cm)

Camera and outfit as described in catalogue (pages 23 to 25) fitted with:

Ernotar Anas., F/4.5 Lens, 3" Focus, in Focusing Mount.....	\$100.00
Carl Zeiss I C, F/4.5 Lens, 3" Focus, in Focusing Mount.....	125.00
Carl Zeiss I C, F/3.5 Lens, 3" Focus, in Focusing Mount.....	140.00

Ernemann Focal Plane Camera

For Pictures, 2¼x3¼" (6.5x9cm)

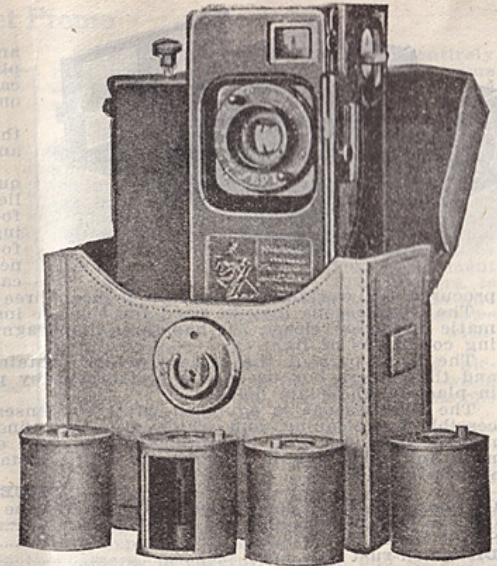
Camera and outfit as described in catalogue (pages 20 to 22) fitted with:

Ernotar Anas., F/4.5 Lens, 4¼" Focus, in Focusing Mount.....	\$125.00
Carl Zeiss I C, F/4.5 Lens, 4¼" Focus, in Focusing Mount.....	150.00
Voigtlander Heliar, F/3.5 Lens, 4¼" Focus, in Focusing Mount.....	175.00
Extra Plate Holder, 1½x2½".....	\$0.50
Extra Plate Holder, 2¼x3¼".....	.65

The New Wonder Camera

The new Sept Camera—a regular camera and a movie camera combined. An indispensable camera for the tourist. Takes 250 pictures at one loading at a cost of \$1.00.

Takes movies, time or instantaneous exposure—one picture at a time or 250 in regular movie style—15 feet of motion picture. Operates by clockwork that needs only the touch of a button to operate it. Requires no tripod or hand crank. The views are ¾x1 inch and may be enlarged to desired size. Can be focused as close as 5 feet. Weighs only 3¼ lbs.



You'll Want to Know All About the "Sept".

It's a worth-while importation from France. We'd like to show it to you personally, but that's impossible, so we'll tell you about it.

It's the Movie Camera You've Been Looking for.

Equipped with Anastigmat Lens. Speed F. 3.5. Weighs only 3¼ lbs., yet it produces movies equal in quality to the productions of a first class Cinema Studio.

Simple in Operation—No Crank—No Tripod.

Focusing device makes it easy to properly center the picture. While your finger is on the release camera will register continuous movies—250 of them.

It's a Regular Camera as Well.

When you want ordinary snap-shots or time exposure, just press the release, as you would an ordinary camera.

Enlargements.

The Lens definition is excellent, enabling you to make enlargements if desired. Eastman Standard Motion Picture Film.

The same quality that you are in the habit of using. Exactly as made for Motion Picture Producers.

Projection Machines.

The ACME PROJECTOR No. 11 will complete your outfit for making and showing movies of your family and friends or for advertising purposes. 1000 feet reel capacity.

Your Personal History in Pictures.

Imagine the pleasure you and your family will derive years from now, in reviewing on your own screen, events that are taking place today. The "SEPT" makes it possible.

Photographers and Amateur Finishers

will welcome this addition to the photographic family. The uses to which you can adapt it are many. It can be used for business as well as personal affairs. Community picnics—social gatherings—school activities—shown on your studio screen will attract the people with whom you want to get in touch.

Sales Possibilities.

Film News Service Bureau are always in the market for short strips showing important events that occur in your vicinity. The "SEPT" is equipped with six magazines each of which hold 18 feet of film, making it possible for you to be first on the ground. Additional magazines furnished at small additional cost.

Send in the Post Card.

We'll send descriptive matter by return mail.

PRICES

SEPT Cinema Camera, including carrying case and 6 magazines.....	\$225.00
Eastman Standard Motion Picture Film for 250 pictures.....	1.00
Acme Portable Projector.....	200.00

THE GLYPHOSCOPE

Until now beginners in photography, or amateurs who wished to take up stereoscopic photography at a small cost, could only find cameras that were improperly made or based on wrong principles.

In offering this new stereoscopic camera, the **Glyphoscope**, we are offering a practical and carefully made instrument.

The Glyphoscope possesses the fundamental qualities of the Verascope and gives true relief and perspective. The lenses are 2 1/4 inches focus, which shortness of focus makes focusing unnecessary, the pictures being in perfect focus from ten feet to infinity. When it is necessary to take a picture closer to the camera, a set of supplementary lenses can be

procured for working at eighteen inches, three feet or six feet. The Glyphoscope may be used for time or instantaneous exposures and has either pneumatic or finger release. It has three diaphragms so that it can be used under most varying conditions of light.

The front part of the camera, which contains the shutter mechanism, can be removed and the camera box used as a stereoscope by putting the special ground glass back back in place of the plate holders.

The Glyphoscope is equipped with two lenses of the single achromatic type, easily accessible for cleaning, and which give very fine detail; a one-piece sliding shutter which may be used for both instantaneous and time exposures; a direct view finder; an attachment for using a bulb release; six single metal plate holders; a back for the camera to view positives.

PRICES

Glyphoscope No. 2, for plates 45x107, in Ivoryine	\$15.00
Case to hold camera and two metal holders.....	6.00
Single metal holder .....	.80
Ditto, non-rust	1.20
Ball and tube release .....	.60
Printing frame, wooden	2.40

THE VERASCOPE NO. 6 AND 6A

WITH ZEISS TESSAR LENSES F/4.5 AND NEW "Chronomos" Shutter

The No. 6b Model Verascope is distinguished from the former models, not only by the lenses working at a much larger aperture, viz., F/4.5, but also by the shutter, the working of which permits a maximum amount of light to enter to the plate.

The exterior appearance of the camera is similar to the No. 5a Model. The shutter, however, is of an entirely different design, which we have named the "Chronomos." By means of an extremely simple system, exposure from 1/8th to 1/150th of a second, and also time exposures may be given. We test the speeds of each shutter, and a list of the actual working speeds is given with each camera. The lenses are fitted with two additional stops, F/8 and F/16.

Supplementary lenses for photographing objects within 10 feet of the camera are made specially for the purpose and can be fitted on the front of the lenses. The glasses of these supplementary lenses are of the best quality, and their use does not affect in any way the definition given by the lenses. Their use for photographing near objects has a great advantage over the mechanical system of focussing, as it is not necessary to introduce into the manufacture of the camera any mechanism that, by constant use, is likely to affect the focus, which, with a camera with lenses of a short focus, must be extremely precise.

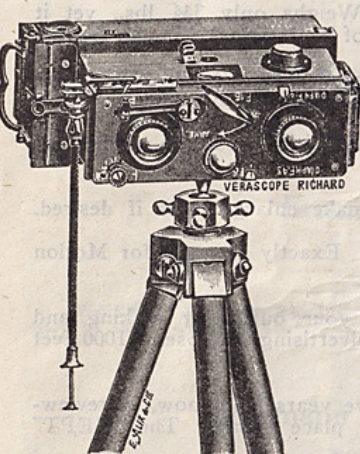
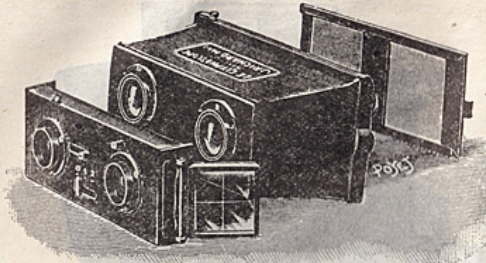
The Verascope 7b has the same optical and mechanical advantages as model 6b with the difference that it comprises all the additional parts, which have been created

since the issue of the former model. We have created this model in order to simplify and facilitate the orders of our customers, who desire the most complete camera without having to compile the details.

To resume: The Verascope No. 7b is the No. 6b with great aperture F/4.5 with Antinous release to which we added:

1. An automatic catch to changing box which prevents changing more than 12 plates, preventing re-exposure of previously exposed plates.
2. Frame fitted on magazine to hold sheets of paper for recording exposures.
3. Automatic indicator on magazine showing condition of box: empty, full, exposed (vide chargé, exposé).

6a Model fitted with Zeiss lenses working at F/6.3, and the new "Chronomos" shutter, with diaphragms F/8 and F/16	\$232.00
6b Model fitted with Zeiss lenses working at F/4.5, and the new "Chronomos" shutter, with diaphragms F/6.3 and F/8, or F/8 and F/16	250.00
Any of the above fitted with color screens and eight autochrom septums for the magazine, extra	11.20
7b Model fitted with Zeiss lenses working at F/4.5 with instantaneous "Cunctator" block system, memento, wicket, screens and set of 8 plateholders for autochrom plates	280.00
7bp2 Ditto, ditto, with "Cunctator" for time exposure from 2 to 60 seconds.....	285.00
7bp1 Ditto, ditto, with "Cunctator" for time exposure from 1 to 30 seconds.....	290.00



Pocket Premo

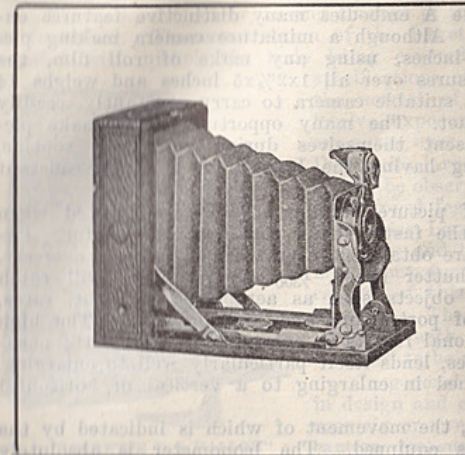
This attractive little camera is entirely new in construction and embodies extreme compactness and simplicity of loading and operating.

No focusing or estimating of distances is required. The front standard, bearing the lens and shutter, automatically unfolds and is extended and locked rigidly in focusing position when the bed of the camera is drawn down.

The Pocket Premo may be brought into action very quickly, and for that reason unusual and interesting pictures may be secured that would be lost if adjustment of focus were necessary. The camera is closed by pressing the two side arms and raising the bed, which causes the bellows and entire front to compactly refold within the camera body.

This little camera makes 2 1/4 x 3 1/4 pictures upon Premo Film Packs, and when closed, it has about the same dimensions as two 2 1/4 x 3 1/4 Film Packs.

Maximum compactness in the construction of this model is obtained by means of the Collapsible Back, which may be quickly extended to receive the Premo Film Pack, containing 12 exposures. After the pack has been placed in position in the camera, the safety cover, protecting the first exposure, is drawn.



The Meniscus Achromatic Lens fitted to the camera, is carefully tested and adjusted, and will produce negatives of excellent quality, from which enlargements many times the size of the contact print may easily be made.

The smooth working Kodak Ball Bearing Shutter, supplied, provides for speeds of 1/80 and 1/50 of a second, as well as time and bulb exposures.

The Pocket Premo is covered with a fine quality of grain leather, and all metal parts are finished in nickel.

SPECIFICATIONS

Capacity: 12 exposures without reloading. Size of picture: 2 1/4 x 3 1/4. Dimensions: 1 1/2 x 3 1/4 x 1 1/2. Weight: 18 ozs. Shutter: Kodak Ball Bearing. Lens: Meniscus Achromatic. Finder: Collapsible. Tripod Sockets: Two.

PRICES

Pocket Premo with Meniscus Achromatic Lens and Kodak Ball Bearing Shutter.....	2 1/4 x 3 1/4	\$ 9.90
Carrying Case to hold camera and Premo Film Pack.....		2.85
Premo Film Pack (12 exposures).....		.50
Kodak Portrait Attachment .....		.72

Premo No. 12

In the Premo No. 12 is offered a camera of really remarkable compactness, but so cleverly constructed as to offer every essential feature for making the best of pictures under all conditions of photography be it easy or difficult.

The Premo No. 12 takes films or plates with equal facility; it has a ground glass for accurate focusing and composition, or it may, of course, be used with focusing scale. It has two tripod sockets, reversible brilliant finder with revolving mask, and special focusing lever.

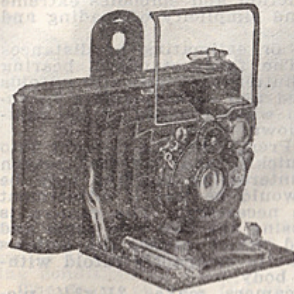
SPECIFICATIONS

Size of picture: 2 1/4 x 3 1/4. Capacity: 12 film or one plate exposure. Box: Aluminum. Bed: Aluminum, with special lever focusing device. Finder: Reversible, with revolving mask. Tripod Sockets: Two. Lens: Bausch & Lomb Kodak Anastigmat F: 6.3, or other lenses as per price list. Shutter: Optimo or Kodak Ball Bearing as per price list.

PRICES

Premo No. 12 with Optimo Shutter and Bausch & Lomb Kodak Anastigmat Lens F:6.3, including Film Pack Adapter and one Plate Holder.....	2 1/4 x 3 1/4	\$47.70
Ditto, with Kodak Anastigmat Lens, F:6.3.....		33.70
Ditto, with Bausch & Lomb Tessar, Ser. Iib Lens F:6.3.....		61.20
Ditto, with Bausch & Lomb Tessar, Ser. Ic Lens, F:4.5.....		58.50
Ditto, with Kodak Ball Bearing Shutter and R. R. Lens.....		18.00
Ditto, with Kodak Anastigmat Lens, F:7.7.....		22.50
Carrying Case, grain leather, velvet lined.....		4.35
Plate Holder, each .....		.72
Premo Film Pack, 12 exposures .....		.50
Portrait Lens .....		.72
Grain Roll Holder, interchangeable with plate holder.....		10.92

ICARETTE Model A and B



The Icarette A embodies many distinctive features entirely its own. Although a miniature camera making pictures $2\frac{1}{4} \times 2\frac{1}{4}$ inches, using any make of roll film, the Icarette A measures over all $1 \times 2\frac{3}{4} \times 5$ inches and weighs 14 ounces. It is a suitable camera to carry constantly, readily fitting the pocket. The many opportunities to make pictures that present themselves during our daily routine, amply justifying having the Icarette A as one's constant companion.

Its field of picture making is almost unlimited when equipped with the faster lenses and Compur Shutter. Excellent results are obtainable even when the sky is overcast. The extreme shutter speed, $\frac{1}{500}$ of a second, will catch rapidly moving objects such as aeroplanes in flight, races,

and athletic events. It is equally capable of portraiture and interior work. The high quality of the lenses furnished insures exceptional results in enlarging from Icarette negatives. The picture it makes, size $2\frac{1}{4} \times 2\frac{1}{4}$ inches, lends itself particularly well to enlarging, as, being square, it may easily be proportioned in enlarging to a vertical or horizontal print.

The Icarette A is fitted with rising front, the movement of which is indicated by the Iconometer finder with which the camera is equipped. The Iconometer is absolutely accurate and permits using the camera at the eye's level. A brilliant indirect finder is also fitted.

Focusing is done by a level focusing adjustment to as close as three feet.

The method of loading is extremely simple, as the entire back is readily removed, allowing easy access to the film chambers. With each camera is furnished a cable shutter release.

Outside dimensions when closed $1 \times 2\frac{3}{4} \times 5$ inches. Weight 14 ounces.

PRICES

	Model A	B
Icarette A with Novar Anastigmat, f:6.8, 3 inch focus and Automatic Shutter.....	\$25.00	\$29.00
With Dominar, f:4.5 Lens, Compur Shutter.....	50.00	54.00
With Hekla Anastigmat, f:6.8, 3 inch focus and Compur Shutter.....	37.50	41.50
With Carl Zeiss Lens, Series IIb f:6.3, 3 inch focus and Compur Shutter.....	57.50	61.50
With Carl Zeiss Lens, Series Ic f:4.5, 3 inch focus and Compur Shutter.....	62.50	66.50
Leather carrying case.....	3.50	3.50

The Icarette B is the same as Icarette A except that it is furnished with a plate back so that plates $4\frac{1}{2} \times 6$ cm. ($1\frac{3}{4} \times 2\frac{1}{2}$ in.) may be used.

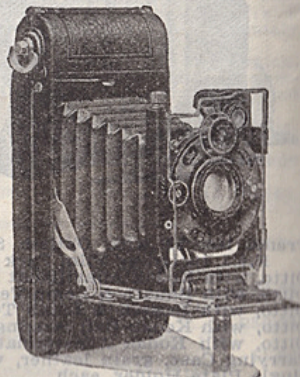
ICARETTE C-D, ICA HALLOH AND LLOYD, AND NIXE A AND B

Description of the Icarette C and D, Ica-Halloh and Ica-Lloyd

Ica roll film cameras are characterized by their strong durable compact construction. The sliding bed with the U-shape front is an exclusive Ica feature, insuring a very rigid front, or lens support free from any vibration or play. This is most important, particularly in a camera fitted with an anastigmat lens, as the advantage in a high quality objective is partly in its ability to render microscopic detail and it is obvious that the lens cannot work to its best advantage if the camera front has any lost motion. The variation of one sixteenth of an inch would be far more detrimental to the small negative than one eighth of an inch to a much larger one. This type of construction in the Icarettes, together with their many other superior features, has given them an enviable reputation as miniature roll film camera.

The Nixe A and B are similar to the Halloh and Lloyd, corresponding in size and general appearance. They are provided with a long bellows permitting the use of the single element of convertible lenses with which they are fitted.

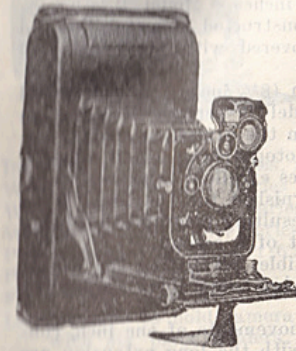
The Icarette C makes pictures on roll films $2\frac{1}{4} \times 3\frac{1}{4}$ inch in size. The camera measures over all $6\frac{1}{2} \times 2\frac{5}{8} \times 1\frac{1}{4}$ inches and weighs 23 ounces. Focusing of the Icarette is accomplished by moving the lever to the desired distance as shown



"ICARETTE C"

on the focusing scale. The vertical front movement is regulated by the thumb-screw at the top of the right hand upright post of the front standard. Both the Iconometer, previously described, and an indirect finder are fitted. There are horizontal and vertical tripod sockets.

The Compur Shutter, having a range of instantaneous speeds from 1 to $\frac{1}{250}$ of a second, is furnished. The construction of the Icarette C is of metal, and the finish is in black enamel with nickel, the body being covered with fine grain seal leather. The general specifications of the Icarette C also apply to the Icarette D, the newest of the Ica cameras. This camera uses six or twelve exposure roll films size $2\frac{1}{2} \times 4\frac{1}{4}$ inch. The camera measures over all $3\frac{3}{4} \times 1\frac{1}{2} \times 8$ inches and weighs $29\frac{1}{2}$ ounces. Due to its larger size the sides of the Icarette D are of wood. It will be observed that this camera is unusually compact. An exceptional feature in a camera of this size and type is the Carl Zeiss Lens, Series Ic f:4.5, with which it is furnished. This size and type of camera equipment has been desired by many, but due to the large size of the f:4.5 lens the average camera of this type would not accommodate a lens of this aperture. The more rectangular proportions of the picture produced with the Icarette D will appeal to many, as it is conceded to be of more artistic proportions.



"ICARETTE D-S HALLOH"

In general the Ica-Halloh and Ica-Lloyd are quite similar in design and construction to the Icarette D. The Ica-Halloh uses six or twelve exposure roll films size, $3\frac{1}{4} \times 4\frac{1}{4}$ inches, the camera measuring over all $8 \times 1\frac{3}{4} \times 4\frac{3}{4}$ inches and weighing $85\frac{1}{2}$ ounces. The Ica-Lloyd uses six or ten exposure roll films $3\frac{1}{4} \times 5\frac{1}{2}$ inches (postcard size), measures $9\frac{1}{2} \times 1\frac{3}{4} \times 4\frac{3}{4}$ inches over all and weighs 42 ounces. Both the Ica-Lloyd and Ica-Halloh cameras have horizontal and vertical front movements, and rack and pinion focusing adjustments. Each camera is supplied with cable shutter release.

	Icarette C	Icarette D	Ica-Halloh	Ica-Lloyd
With Hekla Lens, f:6.8 and Compur Shutter.....	$2\frac{1}{4} \times 3\frac{1}{4}$	$2\frac{1}{2} \times 4\frac{1}{4}$	$3\frac{1}{4} \times 4\frac{1}{4}$	$3\frac{1}{4} \times 5\frac{1}{2}$
Shutter.....	f=3½ in.	f=4¾ in.	f=5½ in.	f=6 in.
With Carl Zeiss Lens, Series IIb f:6.3 and Compur Shutter.....	f=4¾ in.	f=4¾ in.	f=5½ in.	f=6 in.
With Carl Zeiss Lens, Series Ic f:4.5 and Compur Shutter.....	f=4½ in.	f=4¾ in.		

PRICES

	Icarette C	Icarette D	Halloh	Lloyd	Nixe A	Nixe B
Hekla Lens.....	$2\frac{1}{4} \times 3\frac{1}{4}$	$2\frac{1}{2} \times 4\frac{1}{4}$	$3\frac{1}{4} \times 4\frac{1}{4}$	$3\frac{1}{4} \times 5\frac{1}{2}$	$3\frac{1}{4} \times 4\frac{1}{4}$	$3\frac{1}{4} \times 5\frac{1}{2}$
Dominar f:4.5 lens.....	\$47.50	\$55.00	\$57.50	\$67.50	\$62.50	\$72.50
Carl Zeiss IIb f:6.3 Tessar.....	57.50	60.00	70.00	Not Made	75.00	Not Made
Carl Zeiss Ic Tessar f:4.5.....	77.50	82.50	85.00	95.00	90.00	100.00
Leather carrying case.....	80.00	87.50	90.00	Not Made	95.00	Not Made
	4.50	5.50	5.00	6.00	5.50	6.00

ICA ATOM CAMERAS

The Ica Atom B. is a most compact little handful of a camera, measuring over all $3\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{3}{4}$ inches, takes pictures $1\frac{1}{4} \times 2\frac{1}{8}$ inches ($4\frac{1}{2} \times 6$ cm.), and weighs $12\frac{1}{4}$ ounces. Yet this little instrument is most complete in every detail.

Fitted with the Compur Shutter, exposures may be made in from 1 to $\frac{1}{500}$ of a second, as well as time and bulb exposures.

Focusing is done by moving a small upright lever forward or back. The Ica Atom is fitted with focusing scale, also with a hooded ground-glass back with which the image may be observed.

The Ica Atom is furnished with reversible brilliant finder, tripod sockets for horizontal or vertical pictures, also with flexible cable shutter release. The front is of the self erecting type so that when the camera is opened the front is automatically extended, and the lens securely locked in focus for infinity or distance. This construction is extremely rigid, quick acting and does not readily get out of order. Due to the short focal length of the lens, the Ica Atom is a most practical high speed camera. Working in $\frac{1}{500}$ of a second, the shutter of the Atom will arrest motion which with a camera 4x5 inches in size would require an exposure of $\frac{1}{600}$ of a second.

From Atom negatives, satisfactory enlargements up to 8x10 inches and even larger can be made.

Atom with Carl Zeiss Lens, Series Ic f:4.5, 2½ in. focus.	\$82.50
Price, including 3 Plate Holders.....	60.00
With Dominar f:4.5 Lens.....	2.75
Leather carrying case, each.....	.65
Leather case to hold camera, three holders and film pack adapter or camera with plate magazine.....	4.50



ICA IDEAL Model A and B

Although a camera for general all around work is often asked for, such an instrument is quite an impossibility. For its size, it is safe to say that no more versatile camera is to be had than the Ideal A, using plates $2\frac{1}{2} \times 3\frac{1}{2}$ inches ($6\frac{1}{2} \times 9$ centimeters) or film packs $2\frac{1}{4} \times 3\frac{1}{4}$ inches. Model B, $3\frac{1}{2} \times 4\frac{3}{4}$ inches (9×12 centimeters). It is constructed of metal, finished in polished black enamel, and covered with pin grain seal leather.

The extreme bellows extension ($8\frac{1}{2}$ inches) of the Model A and ($11\frac{1}{2}$ inches) of the Model B permits focusing on objects as close as nine inches from the camera, a decided advantage in making copies or photographing small objects. With the Nostar Lens the Ideal does excellent telephoto work. The Nostar Lens can only be furnished for the Ideal when

fitted with the Carl Zeiss, Series Ic f:4.5 or Series IIB f:6.3, the resulting magnification being $1\frac{1}{2}$ diameters. Compur Shutter speeds range from 1 to $\frac{1}{250}$ part of a second.

The other lenses furnished with the Ica Ideal A are convertible, permitting the use of the rear element of the lens for distance pictures, the resulting image being about double the diameter of that produced with the combined lens.

The lens panel of the Ideal has both vertical and horizontal movements of one inch, considerable for a camera of its size. These adjustments, together with the long extension are most important in architectural photography.

For critical work focusing may be done while viewing the image on the hooded ground glass. The movable bed is operated by rack and pinion adjustment and can be locked at any desired point. The bellows is fitted with an automatic take-up, eliminating the possibility of its sagging and perhaps cutting off part of the picture.

Equipped with the Carl Zeiss Lens, Series Ic f:4.5 the Ideal is a very practical camera for home portrait photography. It has been used for portraits and pictorial work by several of the best known photographers in these fields. In fact many of the most admired exhibition prints have been produced with the Ica Ideal.

The Ica Ideal A is furnished with the Compur Shutter having speeds from 1 to $\frac{1}{250}$ of a second.

Dimensions of the Model A when closed, $5\frac{1}{4} \times 2 \times 3\frac{1}{2}$ inches.

Dimensions of the Model B when closed, $2 \times 5 \times 6\frac{1}{2}$ inches.

Weight of Model A, $26\frac{1}{2}$ ounces.

Weight of Model B, $45\frac{1}{2}$ ounces.

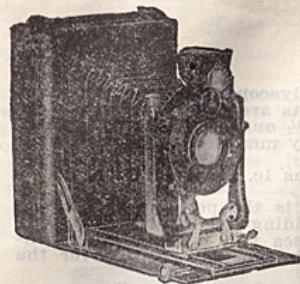
PRICES

With each camera three single plate holders and a cable shutter release are included.

Ica Ideal A with Protar f:6.3.....	\$110.00
Ica Ideal A with Hekla Lens, f:6.8, $3\frac{1}{2}$ in. combined focus, rear element $6\frac{1}{4}$ in. focus.....	52.50
Ica Ideal A, with Dominar f:4.5.....	65.00
With Carl Zeiss Lens, Amatar f:6.8, $3\frac{1}{2}$ in. combined focus, rear element 6 in. focus.....	85.00
With Carl Zeiss Lens, Series IIB f:6.3, $4\frac{3}{4}$ in. focus.....	80.00
With Carl Zeiss Lens, Series Ic f:4.5, $4\frac{3}{4}$ in. focus.....	87.50
Nostar Lens to be used with Carl Zeiss Lenses, Series Ic f:4.5 or Series IIB f:6.3.....	4.00
Extra plate holders, each.....	.80
Film Pack Adapter.....	3.00
Leather case to hold camera, three plate holders, and F. P. Adapter.....	6.00
Ica Ideal B, with Protar f:6.3, $5\frac{1}{4}$ in. combined focus, rear element $9\frac{1}{2}$ in. focus.....	137.50
Ica Ideal B with Dominar f:4.5.....	85.00
With Hekla Lens, f:6.8, $5\frac{1}{4}$ in. combined focus, rear element 9 in. focus.....	67.50
With Carl Zeiss Lens, Amatar f:6.8, $5\frac{1}{4}$ in. combined focus.....	97.50
With Carl Zeiss Lens, Ser. IIB f:6.3, $5\frac{1}{4}$ in. focus.....	95.00
With Carl Zeiss Lens, Ser. Ic f:4.5, $5\frac{1}{4}$ in. focus.....	105.00
Nostar Lens to be used with Carl Zeiss Lenses, Ser. Ic f:4.5 or Ser. IIB f:6.3.....	5.00
Extra holders, each.....	1.00
Film Pack Adapter.....	3.50
Leather case to hold camera, 3 plate holders and F. P. Adapter.....	9.50

ICA TRIX Model B

The Ica Trix B has already won a reputation for itself, having been adopted some years ago by many of the leading daily newspapers as the most satisfactory camera for this very difficult branch of photography. Its size over all when closed is $2\frac{3}{8} \times 5\frac{3}{8} \times 7\frac{3}{4}$ inches and weighs $47\frac{1}{2}$ ounces. The size of the picture is 4×6 inches (10×15 centimeters), perfect proportions for artistic composition.



"ICA TRIX"

The plate holders are of sheet steel, strong, accurate, and with no projections. Three of the Trix B holders are of about the same bulk as one double wooden holder of corresponding size.

A camera of such vast capabilities as the Ica Trix will surely appeal to the Critical, as well as to the press photographer.

It can be supplied with lenses for practically any class of work. The shutter is the Compur having speeds from 1 to $\frac{1}{150}$ of a second when fitted with the Carl Zeiss Lens, Series Ic f:4.5 and up to $\frac{1}{200}$ of a second with the other lenses. With the camera are included three plate holders, and cable shutter release.

Ica Trix B with Hekla Lens, f:6.8, $6\frac{1}{2}$ in. focus, rear element 11 in. focus.....	\$ 70.00
With Carl Zeiss Lens, Series IX f:6.8, $6\frac{1}{2}$ in. focus, rear element $10\frac{3}{4}$ in. focus.....	113.00
With Carl Zeiss Lens, Series IIB f:6.3, $6\frac{1}{2}$ in. focus.....	124.00
With Carl Zeiss Lens, Series Ic f:4.5, $6\frac{1}{2}$ in. focus.....	134.00
Protar Lens, Carl Zeiss, f:6.3.....	155.00
Plate holders, each.....	1.00
Film Pack Adapter.....	3.50
Leather case to hold camera with three plate holders and F. P. Adapter, or camera with six plate holders.....	10.00

ICA STEREOLETTE

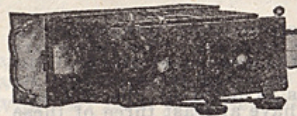
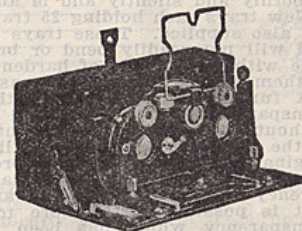
The Ica Stereolette is a somewhat more ambitious camera than the Stereofix. It makes the same size picture using plates or film packs, and may also be used with a plate magazine accommodating twelve plates. The magazine is very convenient, easily operated, and interchangeable with the single plate holders or film pack adapter.

The Stereolette is a folding camera, when closed measuring over all $3 \times 1\frac{3}{8} \times 5\frac{3}{4}$ inches and weighing $20\frac{1}{2}$ ounces. It has every possible adjustment requisite for stereo photography. From the illustration it will be observed that both Iconometer and reflecting finder are centered between the lenses. Focusing is done by means of a radial lever adjustment. When the front of the camera is extended, it locks focussed for distance and is regulated for closer objects by moving the focusing lever forward. There is a vertical front movement provided with screw adjustment, this movement being of decided advantage in many pictures when it is desired to eliminate foreground or include more at the top of a picture. The hooded focusing back provides ample light protection so that a focusing cloth is unnecessary. The Stereoscopic Comp. Shutter is furnished, having instantaneous speeds from 1 to $\frac{1}{250}$ of a second, and also being suitable for time and bulb exposures. The construction of the Stereolette is entirely of metal; and is covered with black seal grain leather. With the Stereolette are included three plate holders and cable shutter release.

With Hekla Lenses, f:6.8, $2\frac{1}{2}$ in. focus.....	\$ 86.00
With Carl Zeiss Lenses, Series IIB f:6.3, $2\frac{1}{2}$ in. focus.....	131.50
With Carl Zeiss Lenses, Series Ic f:4.5, $2\frac{1}{2}$ in. focus.....	141.50
Plate Magazine.....	27.50
Extra plate holders, each.....	.65
Film Pack Adapter.....	2.75
Leather case to hold camera and six plate holders or magazine.....	6.00

ICA POLYSCOPE

The Ica Polyscope is without question the premier of all stereo cameras. It is constructed most accurately, of elegant appearance, and has every adjustment requisite to the best possible stereoscopic results. It also makes the popular 45×107 mm. picture. Over all it measures $5\frac{3}{4} \times 3 \times 2\frac{1}{2}$ inches and weighs 32 ounces. The body of the Polyscope is of aluminum, the extension being fixed. Focusing is accomplished by moving the focusing lever, at the top of the camera, to the desired distance. An ample rising front is provided, the effect of its elevation being indicated in the direct view finder, the same as in the Iconometer. A brilliant indirect finder is mounted between the lenses. Its position is central between the two lenses and relatively at the same elevation which insures its accuracy in close work. The Compur Shutter, having speeds up to $\frac{1}{250}$ of a second, is fitted. The lenses furnished are the Carl Zeiss Series Ic f:4.5, of $2\frac{1}{2}$ inch focus. The Ica Polyscope may be used with single metal plate holders, magazine for twelve plates,



Ica Polyscope B

A STEREO

CAMERA

In general, the 6x13 cm. (2-2/5x5-1/5 in.) Polyscope is about the same as the smaller one A except that its measurements are 6-2/5x2-4/5x5-1/5 in. over all and its weight without plate magazine 33 1/2 ounces. The plate magazine alone weighs 25 ounces. Focusing is done by means of a large Newton finder.

A PICTURE

EXACTLY

AS THE EYE

SEES IT.

It is also fitted with the Carl Zeiss Lens, Series Ic, f:4.5, 4-1/5 in. focus, in Compound shutter.

An important feature of the larger Polyscope is the possibility to make panorama pictures 6x13 cm. in size, by simply sliding the front horizontally until it locks into position, when one of its lenses will be accurately centered, and when used with the smaller diaphragm openings, will cover the full size of picture.

Polyscope with six plate holders	\$177.50	B	\$250.00
Polyscope with plate magazine	200.00		275.00
Single plate holders, each .....	.60		1.00
Film Pack Adapter	6.25		7.50
Polyscope plate magazine	35.00		45.00
Leather case for Polyscope with magazine...	7.00		8.50
Extra septums for magazine, each .....	.35		.35
Five times yellow glass filter	5.00		6.00

Stereo Apparatus "Multiplast"

This newly constructed apparatus for viewing 45x107 mm. stereoscopic transparencies consists of a beautifully constructed polished mahogany cabinet and embodies many improvements. The mechanism works smoothly and silently and is absolutely reliable.

New trays each holding 25 transparencies 45x107 mm. are also supplied. These trays are made of Aluminum and will not readily bend or break, as used to be the case with trays made of hardened caoutchouc. Twelve of them may be stored in the case under the mechanism.

A further improvement in this model is, that the transparencies may be viewed any number of times without interruption. After having viewed the last of the 25 pictures, the tray will be carried back to its original position by simply pressing down the lever on the right side of the Multiplast when the first transparency will be shown again and so on.

It is possible furthermore to again view a single transparency which has been seen already. A dial fixed on the left side of the Multiplast shows the number of the transparencies already viewed, as well as that of the one in front of the lenses. These lenses are mounted in large eye cups which fit comfortably around the eyes.

Focusing is effected by turning a large knob on the right side. A lateral adjustment of the eye cups is inter-pupillary distance of the user's eyes.

also provided in order to correctly adjust them to the All metal parts of the Multiplast are heavily nickelled.

Stereo Apparatus Multiplast as described above with 1 tray holding 25 transparencies 45x107 mm.	\$100.00
Extra trays, made of aluminum	2.00

Stereo-Illuminator

For use with Ica Multiplast

This is a newly constructed arrangement, consisting of a black enamelled metal body, fitted with an electric lamp of 100 Watts. The Stereo Illuminator is fixed to the back of the Multiplast, which makes it independent of daylight. In ordering please specify if a lamp of 110 or 220 Volts will be required. Price\$7.50

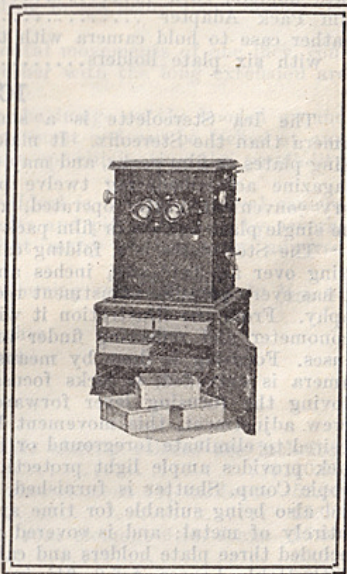
Ica Stereoscope

This stereoscope is especially made for viewing 45x107mm. stereoscopic transparencies. It is constructed of thoroughly seasoned mahogany, beautifully polished. The lenses are very large and are mounted in large eye cups which fit around the eyes comfortably. The picture slides in the opening at the side of the stereoscope and is locked in to prevent its falling out and possibly breaking. A fine quality ground glass is fitted at one end and evenly diffuses the light. Owners of stereoscopic cameras should have at least three of these stereoscopes so that several persons can view a collection of stereo views at the same time.

A Stereoscope	\$7.50
B Stereoscope, 6x13 mm.	3.00

Stereo Printing Frames

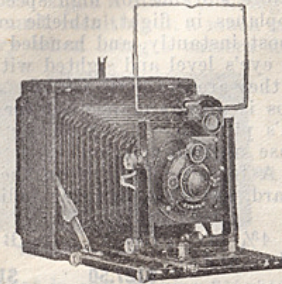
A Only for Polyscope negatives, 1 3/4 x 4 1/4 in.	\$3.50
B For all other stereo negatives, 1 3/4 x 4 1/4 in.	3.50
C For all other stereo negatives, 2-2/5 x 5-1/5 in.	3.50



Ica Universal Palmos

The Ica Universal Palmos is without question the most perfect camera of its type, its workmanship throughout being of the highest quality. It will appeal to the explorer, the naturalist and to those who require a compact yet substantial instrument, thoroughly capable in practically every branch of photography.

The size of the pictures it produces is 3 1/4 x 4 1/4 in. (9x12 cm). The dimensions over all when closed are 6-2/5x2-3/5x6-2/5 in. and the weight 61 ounces.



The body of the Ica Universal Palmos is made of metal covered with the best morocco leather. It is fitted with reversible back, swing back, screw actuated vertical and horizontal front movements, bellows capacity of 16 in., iconometer and reversible reflecting finder. The shutter is the Compur having speeds from 1 to 1/150 of a second.

With each Universal Palmos are included three double ebonized wooden plate holders and cable shutter release.

PRICES

With Dominar Anastigmat, f4.5, 6 in. focus.....	\$170.00
With Dominar Anastigmat, f4.5, 6-3/5 in. focus	177.50
With Carl Zeiss Amatar, f6.8, 6 in. focus	187.50
With Carl Zeiss Amatar, f6.8, 7-1/5 in. focus	200.00
With Carl Zeiss Lens, Ser. Ic, f4.5, 6 in. focus	195.00
With Carl Zeiss Lens, Ser. Ic, f4.5, 6-3/5 in. focus	205.00
Nostar Lens for Carl Zeiss, Ser. Ic, f4.5 and Dominar Anastigmat, f4.5 lenses.....	6.00
Five times yellow glass filter for f6.8 lenses	6.00
Five times yellow glass filter for f4.5 lenses, 6 in. focus	7.00
Five times yellow glass filter for f4.5 lenses, 6-3/5 in. focus	10.00
Extra double wooden plate holders, each.....	7.00
Film pack adapter	7.50
Leather carrying case.....	12.50

Ica Juwel

The aristocrat of all cameras—the Juwel—makes its appeal to the whole-hearted, ambitious photographer. It may well be called a camera of limitless capabilities.

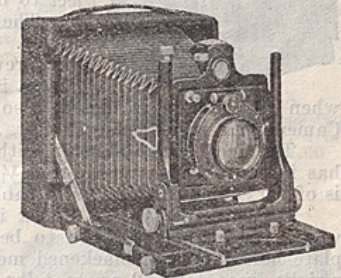
It is a Juwel in appearance as well as by name, microscopically accurate in its adjustments, structurally correct, and of perfect design; it is truly a super camera. The dimensions over all when closed are 8-3/5x3-1/5x8-3/5 in. and its weight 6 lbs. 6 1/2 ounces. The size of the pictures is 5x7 in. (13x18 cm).

The construction of the Juwel is of ebonized hard wood, metal reinforced. It has extreme vertical and horizontal front movements, swing back and tilting front board, important features in architectural photography. The plate holder or film pack adapter is locked in position by the pressure of a button, an exclusive and valuable Ica feature. The large focusing hood eliminates the necessity of a focusing cloth. The bellows extension of 18 in. is ample for every possible requirement. It is furnished with the Compur Shutter having speeds from 1 to 1/150 of a second.

Of utmost importance is the Carl Zeiss Series Ic lens, its large working aperture of f:4.5 being suitable for interior portraiture, autochromes, exposures in poor light; in fact where perfect optical correction combined with extreme speed is required, the Zeiss Series Ic is unequalled.

For wide angle photographs with an extreme wide angle lens, the front adjustments of the Juwel permit dropping the camera bed, also tilting the lens panel to any required angle.

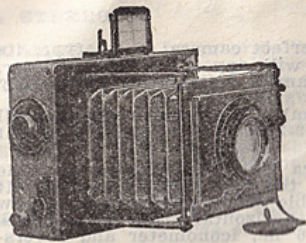
With the Juwel are included three double wooden plate holders and cable shutter release.



PRICES

With Dominar Anastigmat, f4.5	\$200.00
With Carl Zeiss Amatar, f6.8	195.00
With Carl Zeiss Lens, Ser. IIB, f6.3	210.00
With Carl Zeiss Lens, Ser. Ic, f4.5	230.00
Nostar Lens for Carl Zeiss, Ser. IIB, f6.3	6.00
Five times yellow glass filter for f6.3 and f6.8 lenses	7.00
Five times yellow glass filter for f4.5 lenses.....	12.50
Extra double wooden plate holders, each	8.50
Film pack adapter	8.00
Leather carrying case	15.00

ICA MINIMUM PALMOS Model A and B



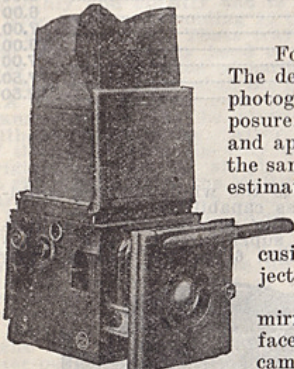
The Ica Minimum Palmos A, size 2½x3½ inches (6½x9 cm.), and B size 3½x4¼ inches (9x12 cm.), are designed particularly as out-of-door cameras. The lens with which they are fitted is the Carl Zeiss, Series Ic f:4.5, capable of taking instantaneous pictures even in a poor light. The shutter is of the focal plane type having instantaneous speeds up to 1/700 of a second. They are therefore suitable for high speed pictures, such as of races, aeroplanes in flight, athletic events, etc. Can be made ready almost instantly, and handled much like a rifle, being held at the eye's level and sighted with the direct view finder with which they are equipped.

The Ica Minimum Palmos is also recommended for child pictures. It has just the qualities so essential for children's pictures,—an extremely rapid lens, the most efficient type of shutter ever made, and ease of manipulation.

When extended, the camera front is absolutely rigid. A focusing lever is on the lens mount and when rotated, moves the lens forward or backward, the distance being indicated on an engraved scale surrounding the lens barrel.

Ica Minimum Palmos with Carl Zeiss Lens, Series Ic f:4.5, 4¼ in. focus including three double ebonized wooden plate holders, and cable shutter release	Price A	B
	\$127.50	\$147.50
Film Pack Adapter	7.00	7.50
Double wooden plate holders, each	6.50	7.00
Leather case to hold camera, three plate holders, and F. P. Adapter ..	9.50	11.00

ICA REFLEX



For many kinds of work the reflecting camera is most desirable. The decided advantage in the reflecting camera is that the image to be photographed may be viewed in the hood up to the very moment of exposure. This image is formed by the same lens that makes the picture and appears identical, except for colors, to the finished print. It is of the same size, and is shown right side up. For those who have trouble in estimating distances, the reflecting camera should appeal, as it is the most perfect of all photographic range finders. The image is viewed in the hood which fits well around the eyes, and the focusing pinion on the left side of the camera is turned until the subject to be photographed appears sharp and well defined.

The image is reflected to the top of the camera by an optical mirror. Unlike the ordinary mirror it is silvered on the upper surface preventing the possibility of a double image. The front of the camera is provided with a sunshade which serves as a lens protector

when the camera is closed, also with a substantial vertical front movement. Ica Reflex Cameras are furnished with Orix Anastigmats f:4.5 or Carl Zeiss Lenses, Series Ic f:4.5.

The focal plane shutter with which the Ica Reflex is fitted is of the fixed slit variety, has instantaneous speeds from 1/15 to 1/1000 of a second, besides time exposure. The shutter is of very simple design, adjustable from the outside, can be quickly operated, and is reliable.

The back of the Ica Reflex is reversible, so that it is unnecessary to turn the camera when vertical pictures are to be made. Either plates or film packs may be used. The plate holders are of blackened metal, very durable and hold one plate each. The Ica Reflex weighs from 4 lbs. 2 oz. to 4 lbs. 14 oz., and is made in the following sizes:

MEASUREMENTS:

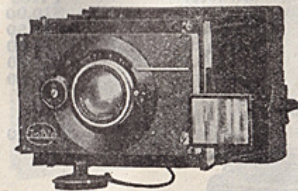
E 2½x3½ in. (6½x 9 cm)	5½x5½x6 in.	6½ in.	6 in.	10½ in.
A 3½x4¼ in. (8, 3x10, 8 cm)	6¾x5¾x7 in.	6½ in.	6 in.	10½ in.
B 3½x4¼ in. (9x12 cm)	6½x6½x6½ in.	6½ in.	6 in.	10½ in.
C 3½x5½ in. (9x14 cm)	6¾x6¾x7¾ in.	6½ in.	6 in.	10½ in.
D 4x6 in. (10x15 cm)	6¾x6¾x7¾ in.	8½ in.	7½ in.	12 4/5 in.

	E*	A	B	C	D
With Orix Lens., f4.5.....		\$ 95.00	\$ 97.50	\$110.00	\$120.00
With Carl Zeiss Lens, Ser. Ic, f4.5.....		130.00	133.50	145.00	165.00
With Dominar Anastigmat, f4.5.....		95.00	97.50	110.00	120.00
With Carl Zeiss Tele Lens.....		167.50	170.00	182.50	210.00
Extra plate holders for Ica Reflex, each.....					.80
Film Pack Adapter					3.00

*Indicates future delivery.

ICA BÉBÉ, Models A and B

The Ica Bébé A, although making the same size picture, 1¾x2½ in. (4½x6 centimeters) as the Ica Atom, is a distinctly different type of camera. It can be folded, and when closed measures 3¾x2¾x1¼ in. and weighs 14 ounces. It has focusing adjustment to three feet actuated by a lever. A direct vision finder is fitted which enables the user to operate the camera from the eye's level, sighting through the finder in much the same manner as one would sight a rifle. Holding the camera at the eye's level eliminates objectionable foreground, resulting in a much more pleasing picture than if taken at a lower level as is necessary when using a camera fitted only with reflecting finder. The back is equipped with hooded ground glass which is readily removed by pressing a button. Plate holder, film pack adapter, or plate magazine, may then be easily clamped on. This method of attaching holders is a decided advantage over the slide-in method, as it is quicker, absolutely light tight, and the operation is less likely to jar the camera out of position when using a tripod. The Ica Bébé A is fitted with Compur Shutter having a maximum speed of 1/200 of a second, and Carl Zeiss Lens, Series Ic f:4.5, of 3 in. focus.



The Ica Bébé B is almost identical with the Ica Bébé A except in size, making 2½x3½ in. (6½x9 cm.) pictures. In addition to the many features of the smaller camera, the Ica Bébé B has horizontal and vertical front movements, these movements being indicated correctly in the finder. The Bébé B measures when closed 5¼x3¾x2¼ in. and weighs 29 ounces. The lens furnished is the Carl Zeiss, Series Ic f:4.5, of 4¼ in. focus.

With each Ica Bébé Camera are furnished six single metal plate holders, cable shutter release, and leather carrying case.

	PRICE	Model A	Model B
Ica Bébé as above described.....		\$90.00	\$115.00
Film Pack Adapter.....		2.75	3.00
Plate Magazine holding 12 plates.....		30.00	39.50
Extra plate holders, each.....		.65	.80

GOERZ ROLL FILM CAMERAS

VEST POCKET—COAT POCKET

For Pictures 1½x2½—2¼x3¼

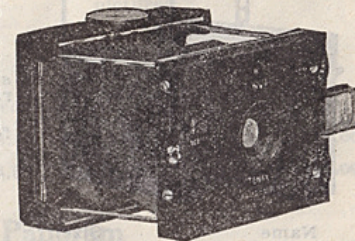
Truly a little gem of a camera. Perfect workmanship and design have made possible a camera small enough for the vest pocket, yet one which produces negatives that can be enlarged up to 8x10 without loss of definition. Because of its small size and light weight you can carry this Tenax at all times, and so catch many a view that is now lost because you are not prepared. It has all the important specifications of larger cameras, with many novel features of its own. A choice of lenses is offered in the celebrated Goerz Dogmar f:4.5, the Goerz Dagor f:6.8, or the Goerz Tenastigmat f:6.3. The shutter is the well-known Compur, with wheel-gear time control, giving exposures from one second to 1/500th of a second, time and sub.

VEST POCKET ROLL FILM TENAX			COAT POCKET ROLL FILM TENAX		
With Dagor f:6.8, 3 in.	With Dogmar f:4.5, 3 in.	With Tenastigmat f:6.3, 3 in.	With Dagor f:6.8, 4 in.	With Dogmar f:4.5, 4 in.	With Tenastigmat f:6.3, 4 in.
\$63.00	\$66.00	\$45.00	\$69.00	\$72.00	\$51.00

GOERZ VEST AND COAT POCKET TENAX CAMERAS

In refinement of construction and nicety of adjustments, the Goerz Vest Pocket Tenax resembles a high-grade watch—it is perfection in small compass. Equipped with either a Goerz Dagor or Goerz Syntor Lens, Compound Shutter with maximum speed of 1/500th of a second, direct view finder, ground glass back for focusing, tripod socket, front and back finished in highly enameled black metal, black leather bellows, all exposed parts of the mechanism heavily nicked, other parts covered with fine grained leather, camera opened automatically upon pressing a small button, front held firmly in place by metal stays,—truly, this little instrument is a photographic marvel. Six single plate-holders are included with camera.

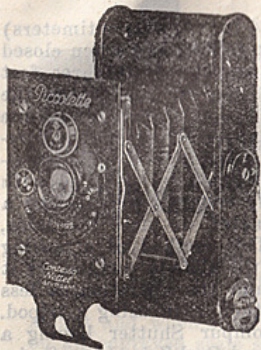
The Goerz Coat Pocket Tenax is a larger edition of the Vest Pocket Tenax and differs from it only in size. Three double plate-holders included with camera.



PRICES OF VEST POCKET TENAX CAMERAS					
Focusing is done by a milled head on top of the camera body engraved with a scale of distances from 3 yards upward	Size 1¾x2 5/16	Focus of Lens Inches 3	Dimensions Camera Closed 3¼x2¾x3½	With Dagor F:6.8 \$82.50	With Dogmar F:4.5 \$ 84.00

Coat Pocket Size	\$96.00
Film Pack Adapter	\$1.85
Extra Plate Holders, each	2.25

Contessa-Nettel-Cameras



Piccolette

Size 1 5/8" x 2 1/2"

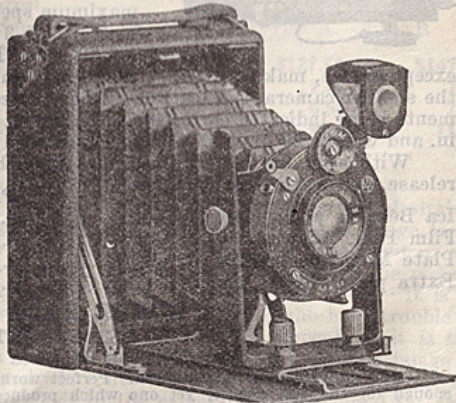
A new Vest-pocket Camera of the highest quality. Most rigid nickel-plated spring arms. Has removable film holder—convenient for loading. Carrying case included in price. Uses standard roll film, any make.

Lens		Fixed Focus		Shutter		Price
Achromat	F 11	Focus	3 in.	Acro		\$10.00
Citonar	F 6.3	3 in.		Derval		22.50
Teronar	F 5.4	3 in.		Compur		32.50
Zeiss 1b	F 6.3	3 in.		Compur		62.50
Zeiss 1c	F 4.5	3 in.		Compur		67.50
Focusing Model						
Zeiss 1c	F 4.5	3 in.		Compur		\$72.50

Compact Plate and Film-Pack Cameras

- Suevia—No. 24 2 1/2" x 3 1/2"
- Taxo—No. 41 3 1/4" x 4 1/4"
- Onito—No. 66 9x12 cm. with rack and pinion.
- Donata—No. 68 9x12 cm. with double extension.

In this series of four cameras the amateur is afforded the choice of a compact, well constructed machine at a moderate price. Price includes three plate holders and film pack adapter.



Camera	Size	Lens	Focus	Shutter	Price
Suevia	2 1/2 x 3 1/2 in.	E. R. A. F 7.7	4-1/5 in.	Derval	\$15.00
Suevia	2 1/2 x 3 1/2 in.	Citonar F 6.3	4-1/5 in.	Derval	25.00
Taxo	3 1/4 x 4 1/4 in.	E. R. A. F 7.7	5-2/5 in.	Derval	17.50
Taxo	3 1/4 x 4 1/4 in.	Citonar F 6.3	5-2/5 in.	Ibso	32.50
Onito	9x12 cm.	E. R. A. F 7.7	5-2/5 in.	Derval	18.75
Onito	9x12 cm.	Citonar F 6.3	5-2/5 in.	Ibso	33.75
Donata	9x12 cm.	E. R. A. F 7.7	5-2/5 in.	Derval	25.00
Donata	9x12 cm.	Citonar F 6.3	5-2/5 in.	Ibso	39.75

The Deckrullo-Nettel-Press-Camera

3 1/2" x 2 1/2" — 9x12 cm — 10x15 cm — 13x18 cm

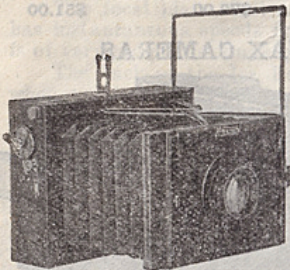
Wonderfully Efficient Focal Plane Cameras

On account of their portability and great range of speeds specially recommended for Press-Work, sporting events and races.

Also manufactured for the Colonies in Teak-wood perfectly polished finish.

Focal Length of Lenses

12 cm — 15 cm — 18 cm — 21 cm



Name	Size	Lens	Speed	Shutter	List
Deckrullo Reg.	6 1/2 x 9 cm.	Zeiss Tessar	F 4.5	Focal Plane	\$132.50
Deckrullo Reg.	9 x 12 cm.	Zeiss Tessar	F 4.5	Focal Plane	150.00
Deckrullo Reg.	10 x 15 cm.	Zeiss Tessar	F 4.5	Focal Plane	175.00
Deckrullo Reg.	13 x 18 cm.	Zeiss Tessar	F 4.5	Focal Plane	205.00
Deckrullo Trop.	6 1/2 x 9 cm.	Zeiss Tessar	F 4.5	Focal Plane	165.00
Deckrullo Trop.	9 x 12 cm.	Zeiss Tessar	F 4.5	Focal Plane	210.00
Deckrullo Trop.	10 x 15 cm.	Zeiss Tessar	F 4.5	Focal Plane	235.00
Deckrullo Trop.	13 x 18 cm.	Zeiss Tessar	F 4.5	Focal Plane	265.00

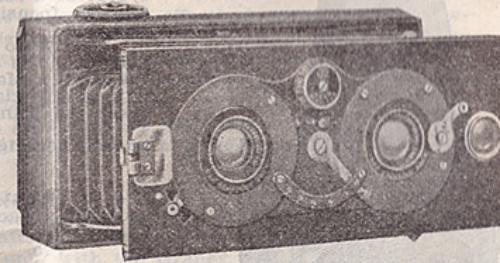
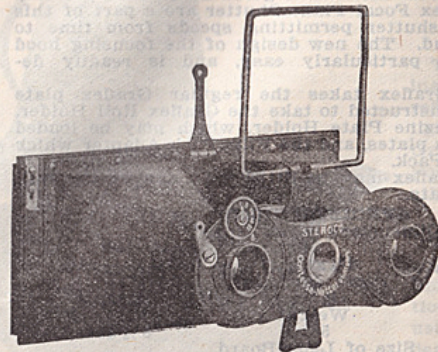
Shutter

Derval — Everset shutter giving Time, Bulb and Instantaneous exposures from 1/25 sec. to 1/100th.

Ibso — Everset shutter giving Time, Bulb and Instantaneous exposures from 1/1 sec. to 1/100th.

Compur — Giving a range of automatic exposures from 1 sec. to 1/250th as well as Time and Bulb.

Contessa-Nettel Stereo-Cameras



STEROCO

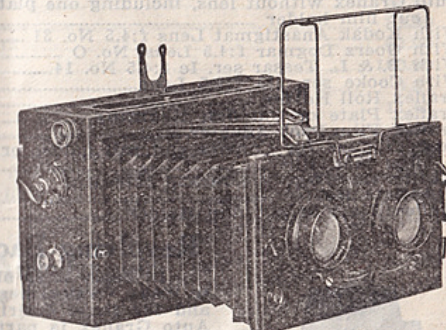
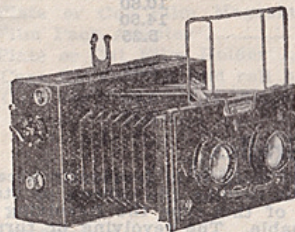
Nr. 305 4.5x10.7 cm Rigid Stereo-Camera.

Simple construction instantly ready for use.

DUCHESSA-STEREO

Nr. 310 4.5x10.7 cm

Exact Workmanship. Small dimensions.



STEREAX

6x13 cm

Nr. 325 Black leather. Nr. 326 Model Tropical.

Exact Workmanship Adapted for stereoscopic and Panoramic pictures.

STEREO-DECKRULLO-NETTEL PRESS-CAMERA

10x15 cm

Nr. 331 Black leather. Nr. 332 Model Tropical.

Adapted for Stereoscopic and Panoramic pictures.

Stereo Cameras

Name	Size	Lens	Speed	Shutter	List
Stereo	45x107 mm.	Teronar	F 5.4	Pronto	\$ 35.00
Steroco	45x107 mm.	Zeiss Tessar	F 6.3	Pronto	65.00
Duchessa Stereo	45x107 mm.	Zeiss Tessar	F 4.5	Compur	125.00

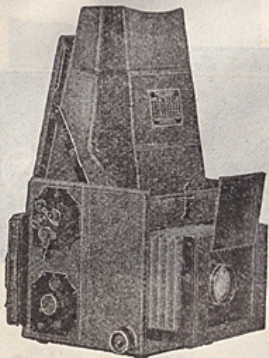
Combination Stereo and Panoram Focal Plane Cameras

Name	Size	Lens	Speed	Shutter	List
Stereax, Reg.	6x13 cm.	Zeiss Tessar	9 cm. F 4.5	Focal Plane	\$155.00
Stereax, Reg.	6x13 cm.	Zeiss Tessar	12 cm. F 4.5	Focal Plane	170.00
Stereax, Tropical	6x13 cm.	Zeiss Tessar	9 cm. F 4.5	Focal Plane	167.50
Stereax, Tropical	6x13 cm.	Zeiss Tessar	12 cm. F 4.5	Focal Plane	182.50
Stereo Deckrullo, Regular	10x15 cm.	Zeiss Tessar	F 4.5	Focal Plane	200.00
Stereo Deckrullo, Tropical	10x15 cm.	Zeiss Tessar	F 4.5	Focal Plane	260.00

Price includes three metal plate holders and film pack adjuster.

The Auto Graflex

The Auto Graflex is offered in three sizes; 3 1/4 x 4 1/4, 4x5 and 5x7, each of the models embodying the exclusive Graflex features and conforming with the details given here. The reflecting mirror and Graflex Focal Plane Shutter are a part of this instrument, the shutter permitting speeds from time to 1/1000 of a second. The new design of the 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.

SPECIFICATIONS

Dimensions when closed		
3 1/4 x 4 1/4	4x5	5x7
5 3/4 x 6 3/4 x 6 1/4	6 3/4 x 6 1/4 x 7 1/4	9 1/4 x 8 1/4 x 8 3/4
7 in.	Focal capacity 8 1/2 in.	12 in.
3 lbs., 10 oz.	Weight 5 lbs.	8 1/2 lbs.
2 1/4 x 2 3/4 in.	Size of Lens Board 3x3 in.	4x4 in.
5 in.	Minimum Focus of Lenses accommodated 6 in.	7 1/2 in.

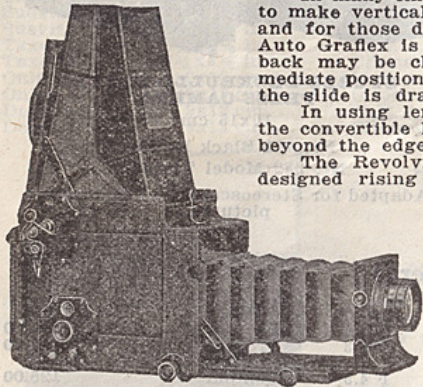
	3 1/4 x 4 1/4 Our Price	4x5 Our Price	5x7 Our Price
Auto Graflex without lens, including one plate or cut film holder	\$ 46.55	\$ 57.00	\$ 85.50
With Kodak Anastigmat Lens f:4.5 No. 31	71.25	87.50	137.75
With Goerz Dogmar f:4.5 Lens, No. O	92.55	No. 1a 117.00	No. 3 174.00
With B. & L. Tessar ser. Ic f:4.5 No. 14	76.00	No. 15 91.70	No. 16 143.45
With Cooke ser. IIa f:3.5 Lens	134.55	162.25	251.10
Graflex Roll Holder	9.75	10.60	13.30
Graflex Plate or Cut film Magazine	13.30	14.50	16.50
Graflex Film Pack Adapter	4.50	5.25	7.15
Leather Case for Camera and roll holder or cut film Magazine	7.35	8.25	13.75
Leather Case for Camera and Magazine Plate Holder	7.35	9.75	14.50
Graflex Plate or cut film Holder	2.35	2.35	3.15

Revolving Back Auto Graflex

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 revolving or turntable back may be changed from horizontal to vertical, or any intermediate position, without danger of fogging the plate or film when the slide is drawn.

In using lenses of long focus or the single combinations of the convertible lenses, the front of the camera may be racked out beyond the edge of the bed by using the forward pinion.

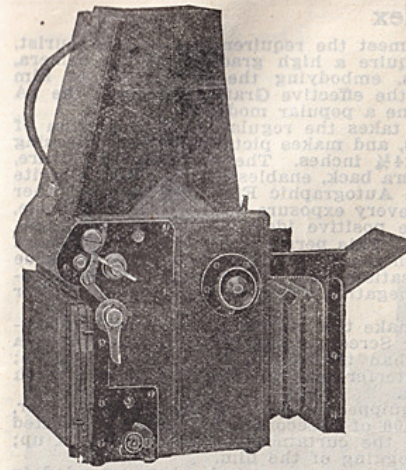
The Revolving Back Auto Graflex is fitted with a specially designed rising and falling front which permits full movement of the front regardless of the position of the bellows, as when the front is racked out the entire bellows will rise, the front and rear bellows frames sliding in grooves.



Specifications		
Dimensions when closed		
3 1/4 x 4 1/4	4x5	10x6 1/4 x 8
5 1/2 x 5 1/2 x 7	15 1/4 in.	18 1/2 in.
Focal capacity	5 3/4 lbs.	7 1/2 lbs.
Weight	3x3 in.	3 3/4 x 3 3/4 in.
Size of lens board	Minimum focus of lenses accommodated	7 1/2 in.
7 1/2 in.	8 1/2 in.	

	3 1/4 x 4 1/4 Our Price	4x5 Our Price
Revolving Back Auto Graflex, without lens, including one double plate holder	\$102.50	\$117.80
Fitted with Kodak Anastigmat Lens F4-5, No. 37	153.00	180.50
Fitted with B. & L. Kodak Anastigmat Lens, F6-3, No. 5	141.55	(No. 6) 170.50
Fitted with B. & L. Protar Lens, Series VIIa, No. 10	185.25	(No. 13) 225.15
Fitted with B. & L. Tessar Lens, Series Ic, No. 15A	158.75	(No. 17) 223.95
Fitted with Velostigmat, Series II, F:4.5, No. 3	146.50	(No 3A) 176.30
Graflex Roll Holder, No. 15a	9.75	10.69
Graflex Magazine Plate Holder, Model A	13.30	14.50
Film Pack Adapter, leather covered	4.50	5.25
Leather case for camera and roll holder, with lock and key	9.50	11.60
Leather case for camera and magazine plate holder	10.25	13.05
Leather case for six plate holders	5.20	6.40
Ground glass panels, to interchange with plate holders	3.00	3.65
Extra Graflex plate holders, each	2.35	2.35
Graflex Roll Holder, 6 exposures	.45	.55

The Auto Graflex Junior

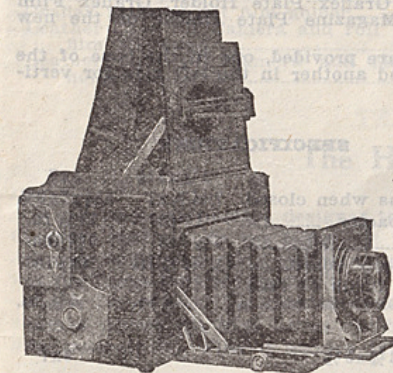


This little camera effectively supplies the growing demand for a small, compact camera of the reflecting type. Although it is small in size and light in weight, it embodies all of the exclusive Graflex features—the reflecting mirror, Graflex Focal Plane Shutter with safety device, and, above all, Graflex quality and workmanship.

The user of a Graflex soon finds that he can accomplish photographic results far beyond the limitations set by cameras of the usual construction, and, with the Graflex, can secure all of the usual, everyday pictures with a much greater degree of certainty.

Auto Graflex Junior, without lens including a plate or cut film holder	2 1/4 x 3 1/4	\$ 39.90
With Kodak f:4.5 Anastigmat Lens No. 30		59.40
With Goerz Dogmar f:4.5 Anastigmat Lens No. 00		80.90
With B. & L. Tessar Lens, series Ic, f:4.5 No. 13		63.20
With Cooke ser. IIa f:3.5, No. 161 Lens		108.90
Graflex Roll Holder		9.25
Graflex Plate or Cut Film Magazine		11.40
Graflex Film Pack Adapter		4.28
Graflex Plate or Cut Film Holder		1.65
Leather Case for Camera, and roll holder or Cut film Magazine		5.95
Leather Case for Camera and Magazine Plate Holder		6.65

The 3A Graflex Autographic



All the advantages of a reflecting camera of the highest possible type, with film simplicity and convenience, combine to make the 3A the most popular of the Graflex models. The 3A Graflex makes pictures 3 1/4 x 5 1/2, on regular 3A Autographic Kodak film, which may be obtained wherever camera supplies are sold.

The 3A Graflex is fitted with the Autographic feature, which allows the operator to date and title the negatives permanently and almost instantly, at the time the picture is made.

Built into, and part of the 3A Graflex, is the regular Graflex Focal Plane Shutter, giving instantaneous exposures from 1/10 to 1/1000 of a second, as well as time exposures of any duration. This shutter is fitted with the safety device which prevents winding the shutter until the mirror is set. Fitted with two tripod sockets.

3A Graflex Camera without Lens	\$ 95.00
With Kodak f:4.5 Anastigmat Lens No. 33	142.50
With Goerz Dogmar f:4.5 Anastigmat lens No. 2a	170.00
With B. & L. Tessar Lens, series Ic, f:4.5 No. 15a	147.25
With Cooke ser. IIa f:3.5, No. 164 Lens	200.25
Leather Case for 3A Graflex Camera	8.45
Extra Lens boards, each	.75
Autographic film, 10 Exposures No. A 122	.90
Autographic film, 6 Exposures No. A 122	.55

WE ARE NOT PLEASED, UNLESS YOU ARE SATISFIED

The 1A Graflex

Designed to meet the requirements of the tourist, or those who require a high grade reflecting camera, in compact form, embodying the advantages of film convenience and the effective Graflex principle, the 1A Graflex has become a popular model.

This camera takes the regular 1A Kodak Film of 6 or 12 exposures, and makes pictures of very pleasing proportions—2½x4¼ 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 in the slightest degree with accurate focusing.

As in the other Graflex models, this camera is equipped with the Focal Plane Shutter, affording variations in exposures from "time" to 1/1000 of a second. The shutter is fitted with a safety device which prevents the winding of the curtain when the mirror is up; this insures the setting of the mirror, and prevents fogging of the film.

The focusing hood folds compactly in the top of the camera, and when extended is held rigidly in position. A tripod socket is fitted in the base of camera.

1A Graflex Camera without lens	\$ 79.80
With Kodak Anastigmat Lens, f:4.5 No. 31	114.00
With Goerz Dogmar f:4.5 Anastigmat Lens No. 0	121.80
With B. & L. Tessar f:4.5 series Ic Lens No. 14	118.75
With Cooke ser. II f:4.5 Anastigmat Lens No. 171	143.60
Leather Carrying Case for 1A Graflex	5.70
Extra Lens Boards, each	.60

The Compact Graflex

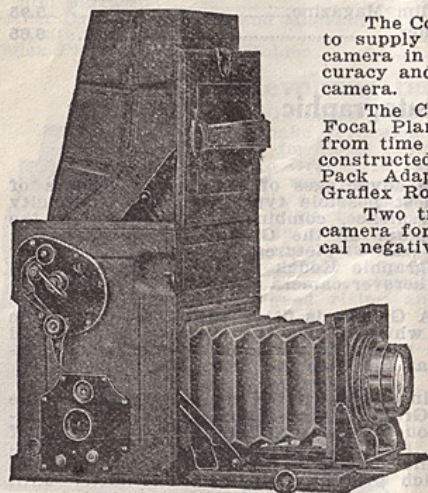
The Compact Graflex is the result of a well directed effort to supply a thoroughly efficient 3¼x5½ and 5x7 reflecting camera in the smallest possible size consistent with the accuracy and rigidity of construction necessary in a reflecting camera.

The Compact Graflex is fitted with the regular Graflex Focal Plane Shutter, permitting exposures of any duration from time to 1/1000 of a second. The back of the camera is constructed to take the Graflex Plate Holder, Graflex Film Pack Adapter, Graflex Magazine Plate Holder or the new Graflex Roll Holder.

Two tripod sockets are provided, one in the base of the camera for horizontal, and another in the left side for vertical negatives.

SPECIFICATIONS

	3¼x5½	5x7
Dimensions when closed	7x4½x7	9½x7x9½
Focal capacity	10 in.	12½ in.
Weight	5½ lbs.	8½ lbs.
Size of lens board	3¼x3½ in.	4x4 in.
Minimum focus of lens accommodated	6 in.	7¼ in.



Compact Graflex without Lens, including one plate holder or one cut film holder	\$ 61.75	\$ 90.25
With Kodak f:4.5 Anastigmat Lens, No. 33	101.65	No. 34 142.50
With B. & L. Tessar Lens series Ic f:4.5 No. 15a	106.90	No. 16 148.70
With Goerz Dogmar f:4.5 Lens No. 2a	136.75	No. 3 178.75
With Cooke ser. IIa f:3.5 No. 164	166.95	No. 250 255.85
Graflex Roll Holder	10.69	13.30
Graflex Plate or Cut Film Magazine	14.50	16.50
Graflex Film Pack Adapter	4.25	7.15
Leather Case for Camera and roll holder or Cut film Magazine	7.85	12.85
Leather Case for Camera and Magazine Plate Holder	9.25	14.25
Graflex Plate or cut film holders, each	2.35	3.15
Extra Lens Boards, each	.75	.90
Ground Glass Focusing Panel	4.05	5.48
Eastman Graflex roll film, 6 exposures, No. 52	.55	No. 54 .95
Kodak Cut film, per dozen	.77	1.33

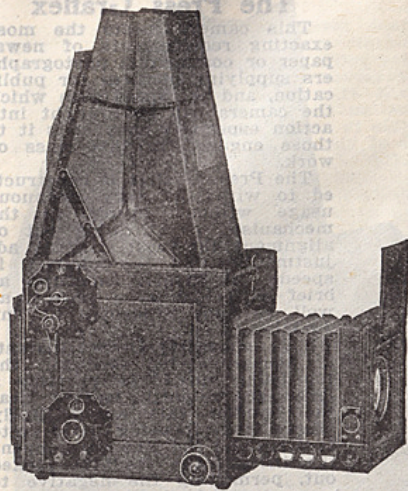
Telescopic Revolving Back Graflex and Revolving Back Graflex Jr.

These Cameras are fitted with a revolving back so that either vertical or horizontal pictures may be made 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 the best pictorial effect. The Graflex Jr., has a depressed cup mount into which the lens fits without any special flange.

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 3¼x4¼ Telescopic Revolving Back Graflex, are not perforated as shown in the illustration.



SPECIFICATIONS

Dimensions when closed	3¼x4¼	4x5	Jr. 2¼x3¼
Focal capacity	6¼x5½x6¾	8¼x6¾x7¾	6x4½x6¼
Weight	8½ in.	12 in.	7¼ in.
	4½ lbs.	6¼ lbs.	3¼ lbs.

Telescopic R. B. Graflex without Lens, including one plate or cut film holder	\$ 65.55	\$ 71.25	\$ 50.35
With Kodak f:4.5 Anastigmat Lens No. 32	95.00	No. 33 110.20	No. 32 80.60
With Goerz Dogmar f:4.5 Lens, No. 1a	125.55	No. 3 159.75	No. 1a 110.35
With B. & L. Tessar f:4.5 ser. Ic. No. 15	98.80	No. 16 128.25	No. 15 84.55
With Cooke ser. IIa f:3.5 Lens No. 163	153.55	No. 164 176.50	No. 163 138.35
Graflex Roll holder	9.75	10.69	9.25
Graflex Plate or Cut film Magazine	13.30	14.50	11.40
Graflex film pack adapter	4.50	5.25	4.28
Graflex plate or cut film holder	2.35	2.35	1.65
Leather Case for Camera and roll holder or cut film Magazine	7.85	10.25	6.95
Leather Case for Camera and Magazine plate holder	9.00	10.95	7.85

The Home Portrait Graflex

As its name implies, designed to meet the requirements for the Amateur or Professional making portraits in the home. It is equally efficient for all around work. A focal plane shutter is fitted making exposure as long as ½ a second up to 1/500. An important feature of the Home Portrait Graflex is the swinging front movement and the revolving back. Long Focus lenses may be used if desired. The minimum focal length accommodated is 9¼ inches though 9½-inch lenses can be fitted in our own shop. The most successful Camera for portraiture. Size of picture 5x7. Plates, Roll Film and Film Packs may be used.

SPECIFICATIONS

Dimensions, 9¼x9x10½ in.; focal capacity, 15 in.; weight, 11½ lbs.; size of lens board, 5x5 in.; minimum focus of lens accommodated, 9¼ in.

THE PRICE

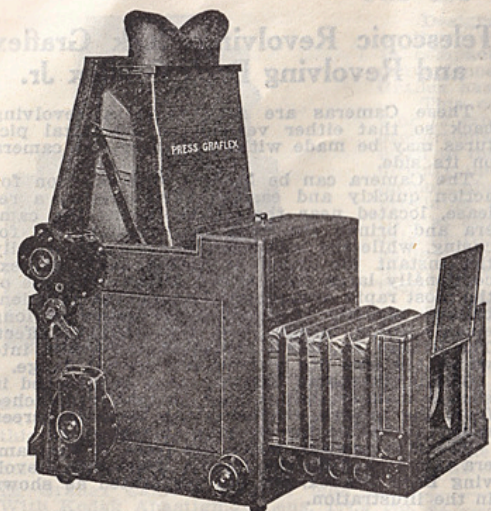
Home Portrait Graflex without lens, including one double plate holder	\$174.80
With B. & L. Tessar, Ic f:4.5, No. 17	285.95
With B. & L. Tessar, Ic f:4.5, No. 18	326.80
Fitted with a 9½-inch Velostigmat f:4.5 in bbl.	264.80
Fitted with a 12-inch Velostigmat f:4.5 in bbl.	296.30
Fitted with a 11½-inch Verito f:4 in bbl.	224.30

The Press Graflex

This camera meets the most exacting requirements of newspaper or commercial photographers supplying pictures for publication, and the speed with which the camera can be brought into action especially commends it to those engaged in this class of work.

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

This camera is always instantly accessible for focusing, the top being 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. The shutter curtain is wound by one complete turn of a large milled head, and the number indicating the size of exposing aperture is reflected upward by a small wide angle prism. This, together with the fact that the tension apertures are plainly visible when the camera is in its normal position, makes it unnecessary to turn the camera on its side to see either its aperture or tension index.

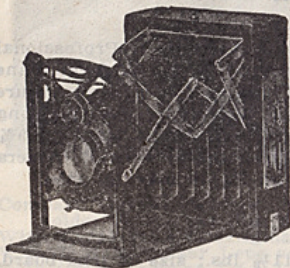
SPECIFICATIONS

Dimensions, 11x8¼x9¾ in.; focal capacity, 14 in.; weight, 11½ lbs.; size of lens board, 4x4 in.; minimum focus of lens accommodated, 8 in.

Press Graflex without lens, including one double plate holder.....	\$152.00
With B. & L. Kodak Anastigmat Lens, F:6.3, No. 5.....	190 95
With B. & L. Tessar Lens, Series Ic, F:4.5, No. 16.....	220.85
With Kodak Anastigmat Lens F:4.5, No. 34.....	215.18
Leather Case to hold Camera and Plate Holder or Roll Holder.....	17.10
Leather Case to hold Camera and Magazine Holder.....	18.05

THE V. P. SONNET

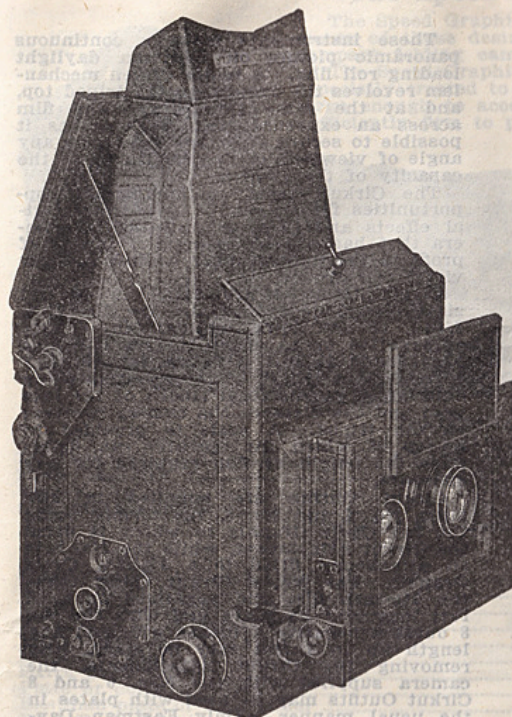
is one of the smallest and most rigid Vest pocket cameras in existence, measuring over all 3½x1x2¼ inches, takes pictures 1¾x2½ inches (4½x6 centimeters), and weighs 10½ ounces. Fitted with the Compur Shutter, exposures may be made in from 1 to 1/300 of a second, as well as time and bulb exposures. Focusing is done before or after opening the camera by nicker plated "Nettel" spring arms. The outside of the camera body, which is exceptionally well made of mahogany is polished and fitted with focusing scale besides a hooded ground glass back, with which the image may be observed. The V. P. Sonnet has tan leather bellows and is furnished with a metal frame permitting its use at the eye's level, a tripod socket for horizontal or vertical pictures and flexible cable shutter release. Its single extension allows focusing of



near objects to as close as three feet. The camera front is of black enamel. This most beautiful looking little camera may be used with single metal plate holders or film-pack adapter, both being interchangeable. Two bags of deerskin, one for the camera itself and another for six plate holders are included in the prices of the different outfits.

V. P. Sonnet with Carl Zeiss Lens, Series Ic f:4.5, 3 in. focus.....	\$85.00
Extra metal plate holders, each.....	.75
Film Pack Adapter.....	3.00
Carrying Case.....	5.50

The Stereo Auto Graflex



There is probably no branch of photography that affords greater pleasure than the making of stereoscopic pictures, and the steadily increasing number of purchasers of the Stereo-Graflex indicates that stereo photography is growing in popularity.

The Stereo Auto Graflex Camera is a counterpart of the regular Graflex, in stereo form. This camera is constructed with a wide front to carry a matched pair of lenses for the production of stereoscopic pictures.

It differs entirely from any other form of stereo camera, not only in its unique design and perfect adjustment, but in the method of focusing. The hood at the top is practically a stereoscope, as it contains a pair of stereo prisms. These prisms are arranged to give the stereoscopic effect when focusing, as the operator sees but one image on the ground glass screen—right side up—not inverted. The object is viewed just as one would see the finished stereogram through a stereoscope.

A rising front operated by a rack and pinion enables the operator to cut off the foreground when desired.

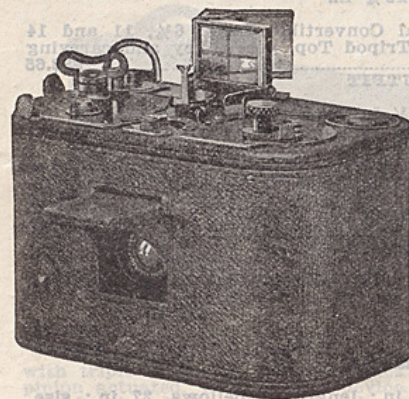
SPECIFICATIONS

Dimensions when closed, 8¼x9x8¾ in.; focal capacity, 8 in.; weight, 8 lbs.; size of lens board, 3x5¼ in.; minimum focus of lenses accommodated, 6¼ in.

THE PRICE

Stereo Auto Graflex without lenses, including one double plate holder and focusing 5x7 panel.....	\$190.00
With matched pair B. & L. Kodak Anastigmat Lenses, f:6.3, No. 3.....	239.40
With matched pair of B. & L. Tessar Lenses, Series 2B F:6.3, No. 5.....	267.00
Leather case for camera and roll holder, with lock and key.....	13.00

The No. 0 Graphic Camera



Briefly described, 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 small diaphragm this distance can be greatly decreased.

Probably the most valuable feature of the No. 0 Graphic is the fact that the negatives made with this camera show such microscopic definition and marvelous depth, that the negatives may be enlarged to many times their original size, and still retain all the brilliancy of a contact print. We provide a

camera, the No. 0 Graphic Enlarging Camera, by means of which No. 0 negatives may be enlarged to 6¼x8½ or smaller.

SPECIFICATIONS

Dimensions, 5x3¼x3¼ in.; weight, 25 oz.

No. 0 Graphic Camera, 1¼x2¼.....	\$45.60
Sole leather carrying case, 1¼x2¼.....	3.80
No. 0 Graphic Film, 6 x.....	.20
No. 0 Graphic Film, 12x.....	.35

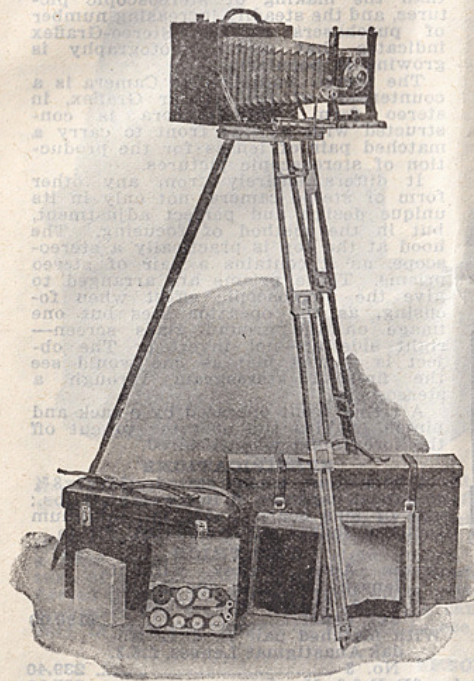
Cirkut Cameras and Outfits

These instruments make a continuous panoramic picture on Eastman daylight loading roll film. A motor driven mechanism revolves the camera on the tripod top, and at the same time draws the film across an exposure slot. This makes it possible to secure a picture embracing any angle of view and of any length up to the capacity of the camera.

The Cirkut opens up innumerable opportunities for unusually pleasing pictorial effects and there is probably no camera that has proved as great a source of profit to the photographer making outdoor views and groups.

Cirkut Cameras are made in several sizes, Nos. 5, 10 and 16, etc., for film, 5, 6, 8, 10, 12 and 16-in. widths. Any length of negative up to about 12 feet with the No. 10 and 18 feet with the No. 16, may be made, the length of the negative being determined by the focal length of the lens used and the distance the camera revolves on the tripod. A scale is provided by means of which the operator can determine the length of film required for any exposure.

Cirkut Outfits are supplied in two sizes, No. 6 and No. 8, the former being the 5x7 Cycle Graphic to which is fitted the Cirkut Attachment, while the No. 8 is an attachment fitted to a 6½x8½ Cycle Graphic. The No. 6 Cirkut Outfit takes the 6½-inch film and negatives up to 6 feet long may be made, and with the No. 8 outfit a negative 8 inches wide and any length up to 8 feet may be made. By removing the Cirkut Attachments, the camera supplied with the Nos. 6 and 8 Cirkut Outfits may be used with plates in the usual manner. Only Eastman Daylight loading Film is used. The image



can be seen on the ground glass not alone full width but full length of the picture. The Cycle Graphic Cameras as supplied with Cirkut Outfits Nos. 6 and 8 are fully described on another page of this catalog.

THE NO. 5 CIRKUT CAMERA
Specifications

Width of photograph, 5 in.; dimensions, 12x7x4 in.; length of bellows, 12 in.; weight of complete equipment, 19 lbs.; size of lens board, 2¼x2¼ in.

No. 5. Cirkut Camera complete, including Special Convertible Lens; 6½, 11 and 14 inches, one No. 2 Crown Tripod and Top, one Cirkut Tripod Top, gears, key and carrying case to hold complete outfit. Our Price.....\$83.65

THE NO. 6 CIRKUT OUTFIT
Specifications

Width of photographs, 6½ in.; length of bellows, 22½ in.; size of lens board, 3¼x3½ in.; dimensions of camera with film attachment, 10x8x10½ in.; weight of camera with film attachment, 10½ in.

No. 6. Cirkut Outfit complete. Graphic Rectilinear Lens, Auto-shutter, one 6½ inch Tripod Top, one No. 4 Crown Tripod, two Carrying Cases to hold complete equipment. Our price.....\$204.25

No. 6. Cirkut Outfit with Turner Reich Lens Series II, No. 2, Triple Foc. Our Price.....\$251.75

THE NO. 8 CIRKUT CAMERA
Specifications

Width of photograph, 8 in.; dimensions, 11½x8½x10½; size of lens board, 4¼x4¼; weight of complete equipment, 14 lbs., length of bellows, 26 in.

No. 8. Turner Reich Lens. Our Price.....\$251.75
Rectilinear. Our Price.....\$308.75

THE NO. 10 CIRKUT CAMERA
Specifications

Width of photograph, 10 in.; dimensions, 9x11x12 in.; length of bellows, 27 in.; size of lens board, 4x4 inches.

No. 10. Cirkut Camera complete, including Turner Reich lens, Series II No. 4; 10½-in. Double Valve Shutter, one F. & S. Professional Tripod, one Cirkut Tripod Top, two Carrying Cases to hold complete equipment. Our Price.....\$333.50

THE NO. 16 CIRKUT CAMERA
Specifications

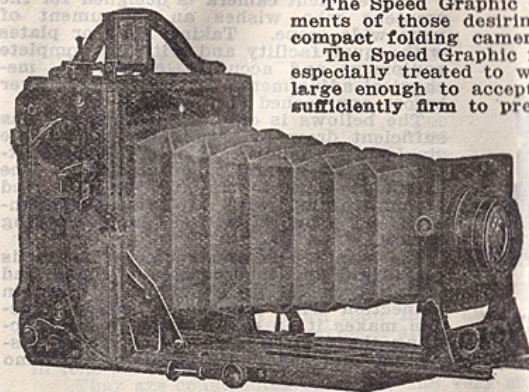
Width of photograph, 16 inches.

No. 16. Cirkut Camera complete, including Turner Reich Ser. 2 Lens, other equipment same as No. 10. Our Price.....\$475.00

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 Speed Graphic is made of selected, kiln-dried mahogany, especially treated to withstand climatic changes. The front is large enough to accept the high speed Anastigmat lenses, and sufficiently firm to prevent vibration when the camera is used with the bellows extended to its full capacity. A piano hinge, extending the full width of the camera attaches the camera body to the folding platform, which is framed and paneled to insure a maximum of rigidity without excessive weight. The extension track is made in the form of a frame, which is not only extremely rigid, but allows the lens to rest between the tracks when the camera is closed.



The Speed Graphic is covered with the best grade Morocco leather, and the bellows, which is of ample length to accommodate the single combinations of convertible lenses, is made of black leather.

SPECIFICATIONS

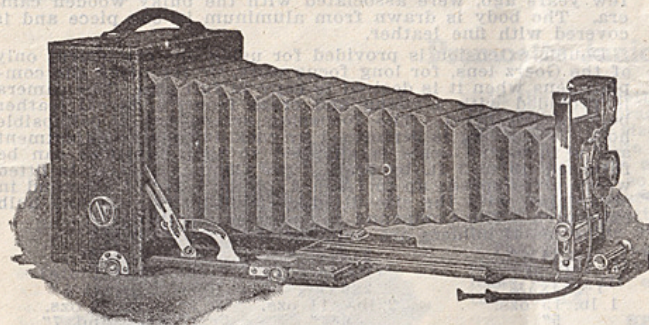
Dimensions	3¼x4¼	4x5	3¼x5½	5x7
Focal capacity	5¾x2¾x6¼	6¾x4x6¾	7x3½x7½	8¾x3¾x9¾
Weight	10 in.	12 in.	12 in.	16 in.
Size of lens board	2½ lbs.	3½ lbs.	3½ lbs.	5½ lbs.
	2½x2½ in.	3¼x3¼ in.	3¼x3¼ in.	3¼x3¼ in.

Including One Double Plate Holder

	Price	Price	Price	Price
Speed Graphic without Lens	3¼x4¼ \$ 43.70	4x5 \$ 49.40	3¼x5½ \$ 49.40	5x7 \$ 64.80
With Kodak f:4.5 Lens	68.40	79.80	88.35	116.85
With Goerz Dogmar f:4.5 Lens	89.70	109.40	118.90	153.10
With B. & L. Ic Tessar f:4.5	73.15	84.10	93.60	122.55
With Cooke ser. Ila f:3.5	131.70	154.65	154.65	230.20
Leather Case	8.00	8.55	8.55	10.95
Extra Lens boards	.60	.75	.75	.95
Plate or cut film holder	1.90	1.90	1.90	
Eastman plate or film holder				1.65
Film Pack Adapter	1.40	1.65	1.65	2.35
Graflex Backs	12.85	12.85	12.85	13.80

*Carry Cases for Speed Graphic Cameras hold the camera and plate holders as follows: 3¼x4¼, 5 holders; 4x5, 6 holders; 3¼x5½, 5 holders; 5x7, 6 holders.

Premo Number 10



Designed to meet the requirements of the most advanced amateur and of the specialist, the Premo No. 10 is equipped with every known adjustment desirable in a hand camera. It has triple extension, long bellows draw for telephoto work and copying, drop bed for wide angle use, rising and falling front, swing bed and reversible back.

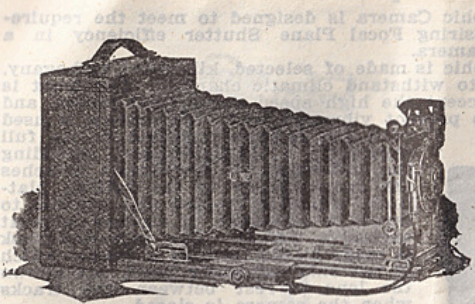
It takes films or plates with equal facility, is simple in all its parts and is finished in exceptionally handsome style.

SPECIFICATIONS

Box: mahogany, leather covered. Bed: mahogany, with highly polished black finish and with triple extension runway. Back: spring catch, reversible. Swing: vertical; rack and pinion actuated, with locking device. Front: rising and falling rack and pinion actuated with locking device. Lens Board: removable, size 3½x3½ in. Finder: Brilliant, reversible. Tripod Sockets: two. Carrying Case: sole leather, plush lined, with compartments for holders. Bellows: black leather; draw, 19 in. Dimensions: 4x8½x8½ in. Weight: 5½ lbs. Automatic Standard Clamp.

Premo No. 10, with Planatograph Lens and Kodak Automatic Shutter, Carrying Case and Plate Holder	5x7 Our Price \$ 76.50
Ditto, with Bausch & Lomb Kodak Anastigmat Lens, F:6.3, and Optimo Shutter	130.50
Ditto, with Bausch & Lomb Protar VIIa Lens, F:7	171.00
Premo Film Pack Adapter	235.00
Premo Plate Holders	1.00

Premo Number 9



This efficient camera is designed for the amateur who wishes an instrument of very wide scope. Taking films or plates with equal facility and with its complete equipment and accurate, convenient, mechanical adjustments, it is a camera never before approached at the price.

The bellows is of black leather and has sufficient draw to permit the use of the single lens combination or a telephoto attachment of several magnifications. The extension plate is actuated by rack and pinion working with exceptional smoothness and provided with a simple locking device.

The standard is constructed of metal, is very rigid and incorporates a rising and falling front of great latitude. This in connection with the swing bed construction makes it an easy matter to take pictures of tall buildings, and the like, without tipping the camera with its attendant distortion of the picture. The lens board is removable, and the finder is the new Premo collapsible brilliant.

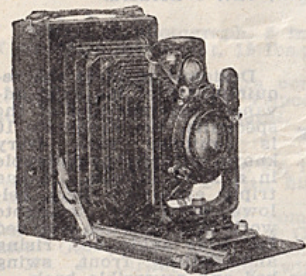
SPECIFICATIONS

Box: Kiln-dried wood, covered with fine grain leather. Bed: Finished in black, and supplied with rack and pinion for fine focusing, and swing arrangement. Back: Spring catch, reversible. Standard: Made of metal, with rising and falling front. Finder: Brilliant, reversible, collapsible. Tripod Socket: Carrying Case, with compartments for holders. Bellows: Black leather; draw 3 1/4 x 5 1/2, 13 in.; 4x5, 13 in.; 5x7, 15 1/4 in. Dimensions: 3 1/4 x 5 1/2, 3x7x7 in.; 4x5 in.; 3x7x7 in., 5x7, 2 3/4 x 8 1/4 x 8 1/4 in.

	4x5 Our Price	3A 3 1/4 x 5 1/2 Price	5x7 Our Price
Premo No. 9, with Planagraph Lens, Kodak Automatic Shutter, Case and Holder	\$36.00	\$36.00	\$45.00
Ditto, with Kodak Anastigmat Lens F:7.7	40.50	40.50	
Ditto, with Kodak Anastigmat Lens F:6.3 and Optimo Shutter	58.50	58.50	
Ditto, with Bausch & Lomb Anastigmat Lens F:6.3 and Optimo Shutter	67.50	72.00	94.50
Premo Film Pack Adapter	1.65	1.65	2.35
Premo Film Pack 12 exposures	1.10	1.10	1.90
Premo Plate Holders	1.40	1.40	1.65

Goerz Taro Tenax

FOR PLATES AND FILMPACKS



The Taro Tenax is a first class universal camera at a moderate price and embodies all the movements, which up to a few years ago, were associated with the bulky wooden camera. The body is drawn from aluminum in one piece and is covered with fine leather.

Double extension is provided for using one component only of the Goerz lens, for long focus work, or for using the complete lens when it is desired to copy in full size. The camera is provided with a rising and cross front, and real leather bellows are fitted. The focussing screen has a collapsible hood. Focussing is performed by rack and pinion adjustment and a focussing scale is supplied so that distances can be focussed up to 3 ft. by scale. The Compur shutter is fitted which gives speeds up to 1/150, 1/200 or 1/250 of a second in accordance with the size fitted, in addition to time and bulb exposures. The Compound can also be supplied.

The metal holders are supplied with the camera.

Size	3 1/4 x 4 1/4"	3 1/2 x 5 1/2"	5x7"
Dimensions	1 3/4 pl.	(Postcard)	(Half Plate)
Weight	1 lb. 15 ozs.	2 lbs. 11 ozs.	4 lbs. 7 ozs.
Focus	5"	6 1/2"	8 1/4" and 7"

The Taro Tenax cameras are supplied fitted with any of the following lenses and shutters:

- 3 1/4 x 4 1/4" (Quarter Plate)
 - IN COMPUR OR COMPOUND SHUTTER**
 - Goerz Tenastigmat F:6.3 = 5" focus
 - Goerz Double Anastigmat Dagor F:6.8 = 5" focus
 - Goerz Dogmar F:4.5 = 5" focus
 - 3 1/2 x 5 1/2" (Post-card)
 - IN COMPUR OR COMPOUND SHUTTER**
 - Goerz Tenastigmat F:6.3 = 6 1/2" focus
 - Goerz Double Anastigmat Dagor F:6.8 = 6 1/2" focus
 - 5x7" (Half Plate)
 - IN COMPUR OR COMPOUND SHUTTER**
 - Goerz Dogmar F:4.5 8 1/4" focus
 - Goerz Double Anastigmat Dagor F:6.8 = 7" focus
 - Goerz Double Anastigmat Dagor F:6.8 = 8 1/4" focus
- All cameras are fitted with double extensions.

Taro Tenax—for Plates and Filmpacks

	No. 3 3 1/4 x 4 1/4 \$87.00	Postcard 3 1/2 x 5 1/2 \$96.00	No. 4—5x7 Dagor \$120.00 Dogmar \$141.00
With Dogmar, F:4.5	\$81.00	\$96.00	
With Dagor, F:6.8	60.00	72.00	
With Tenastigmat, F:6.8	1.75	1.35	
Extra Plate Holders	3.00	3.75	
Filmpack Holder	5.25	6.00	
Leather Case	3.00	3.00	
Metal Tripod			

Folding Cartridge Premos

Takes pictures 2 1/4 x 3 1/4 2A 2C 3A
2 1/4 x 4 1/4 2 3/4 x 4 1/4 3 1/4 x 5 1/2

These are very compact little roll film cameras with rounded ends, graceful in all their lines, and slipping readily into the pocket. Alike in general appearance and operation, they differ in the size of the pictures they make and slightly in lens and shutter equipment.

They are constructed on a new and very simple principle for loading and unloading in daylight. There is no complicated mechanism or adjustment, just a simple camera for every-day work, properly equipped for amateur picture-making under all ordinary conditions where the average amateur would care to use a camera. They are neatly and carefully finished and covered with a serviceable, attractive grade of imitation leather.

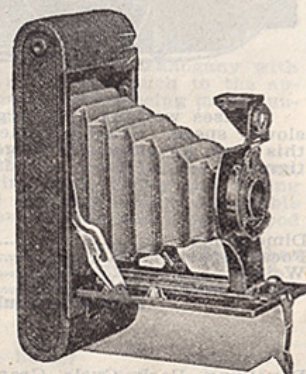
These are excellent cameras for home portraiture when fitted with Kodak Portrait Attachment.

SPECIFICATIONS

Lens, Meniscus Achromatic. Shutter, Kodak Ball Bearing. Reversible finder, two tripod sockets, automatic focusing lock, black leather bellows.

PRICES

	No. 2 Our Price	No. 2A Our Price	No. 2C Our Price	No. 3A Our Price
Folding Cartridge Premo with single Lens and Kodak ball bearing Shutter	\$7.20	\$9.10	\$10.30	\$12.15
Ditto, with R R Lens	9.00	9.90	12.60	14.40
Cartridge Premo Carrying Case	1.65	1.75	1.85	1.90
Films, 6 exposures	.24	.28	.45	.50
Films, 10 exposures			.71	.85
Films, 12 exposures		.57		
Kodak Portrait Attachment	.72	.72	.72	.72



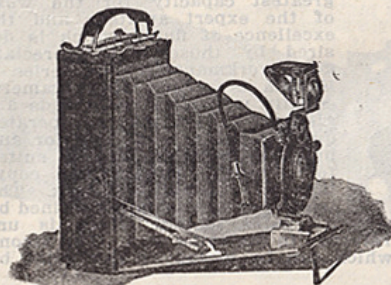
Premoette Juniors

In the Premoette Juniors are offered the smallest possible practical cameras for two of the most popular sizes of amateur pictures. They are just a trifle larger than the pictures they make, and they are so easy to operate, so well manufactured, so carefully equipped and tested that the merest beginner in photography, by using a Premoette Jr., can get the best of pictures from the start.

The No. 1 regular model has finger release shutter only, the No. 1A is fitted with cable release with all equipments. Illustration shows the No. 1A.

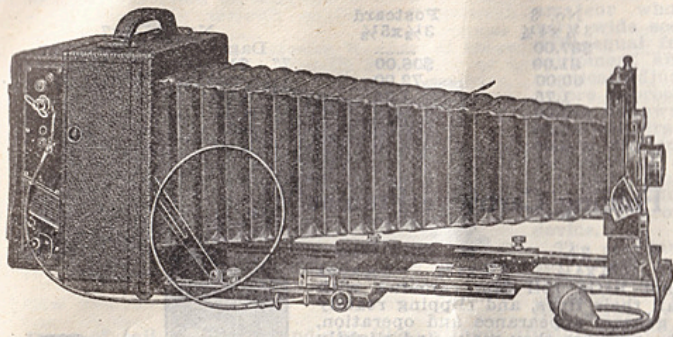
SPECIFICATIONS

Premoette Junior Regular. Capacity: 12 film exposures. Dimensions: No. 1, 1 1/2 x 3 x 4 1/4 in.; No. 1A, 1 1/4 x 3 1/4 x 5 1/4 in.



	No. 1 2 1/4 x 3 1/4 Our Price
Premoette Jr., with Meniscus Achromatic Lens and Kodak ball bearing Shutter	\$ 7.20
Ditto, with Kodak Anastigmat Lens F:7.7	13.50
Ditto, with Planatograph Lens	9.00
Ditto, Grain leather, (for the special)	2.05
Carrying Case sole leather (for Reg. Jr.)	2.05
Premo Film Pack, 12 exposures	.50
Kodak Portrait Attachment	.72

Revolving Back Cycle Graphic



For many years the Graphic Camera has held the reputation of being the foremost camera of its type. For the technical worker the Revolving Back 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.

Lenses working at a larger aperture are necessarily much larger than those having a slower speed. Graphic Cameras are constructed with a view to accommodating lenses of this type, an especially large and rigid front being provided to accept the largest Anastigmats.

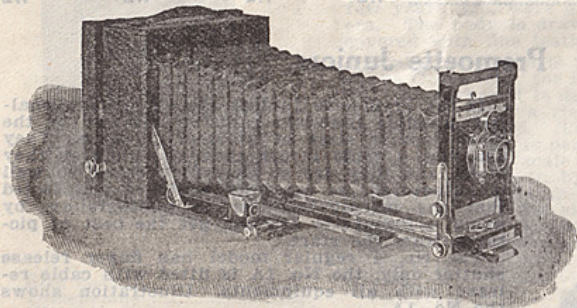
SPECIFICATIONS

Dimensions	5x7	6 1/2 x 8 1/2
Focal capacity	1 1/4 x 4 1/4 x 9 1/4	10 3/8 x 4 1/2 x 10 3/8
Weight	22 1/2 lbs.	26 lbs.
Size of lens board	6 1/4 lbs.	7 1/2 lbs.
	3 1/8 x 3 1/8 in.	4 1/8 x 4 1/8 in.

Including double plate holder and sole leather carrying case

	5x7 Our Price	6 1/2 x 8 1/2 Our Price
Revolving Back Cycle Graphic with Graphic Rectilinear Lens and Automatic Shutter	\$105.00	\$120.65
With B. & L. Kodak Anastigmat Lens, F:6.3, and Volute or Optimo Shutter	162.45	183.65
	No 10	
With B. & L. Protar Lens, Series VIIa, and Volute or Optimo Shutter....	203.30	238.45
With Turner-Reich Series, II, F:6.8 and Optimo Shutter.....	162.50	210.00
Extra plate holders	2.15	2.60

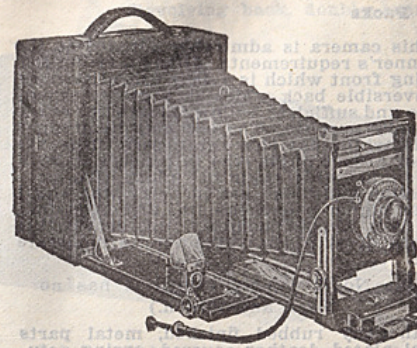
Series V Korona For Plates and Film Packs



This is a beautiful camera representing in every way the finest features of construction, the greatest capacity for the work of the expert amateur and the excellence of finish which is desired by those who appreciate good workmanship. The Series V Korona is a long focus camera, equally well adapted to wide angle work, and it may be operated quickly and conveniently for any purpose, being especially suited for pictorial photography, copying and telephoto work. The triple bed extension is obtained by a center section which is unlocked and pulled out automatically by the front and returned in the same way. The second section is controlled by diagonal rack and pinion, which can be locked at any point by pushing in the pinion rod.

	Price 4x5	Price 5x7
Series V Korona, Rapid Convertible Lens F:8, Betax Shutter.....	\$36.00	\$43.20
Series V Korona, Rapid Rectigraphic Lens F:8, Betax Shutter.....	47.00	57.20
Series V Korona, series 2 Turner-Reich Anastigmat F:6.8 Lens with Universal or Optimo Shutter	85.45	102.35
Series V Korona, without lens or shutter.....	28.80	36.00
Auxiliary Wide Angle Bed.....	2.85	3.30
Ilex Acme Shutter, extra	3.50	4.00
Plate or Film Holders.....	1.12	1.35
Korona Adapter for Film Packs	1.12	2.25
Series V Stereo Korona, 4x5 Rapid Rectilinear Lenses F:8 T. I. B. Automatic Stereo Shutter, carrying case and one holder. Our special price.....		\$95.00

Series IV Korona



The beginner soon learns that the more simple cameras previously described are unsuitable for advanced work and that a swing back is a useful adjustment at times which becomes essential in architectural work to correct the distortion of the image produced by pointing the camera up or down. The Series 4 Korona is a complete camera having all the required adjustments and conveniences for indoor and outdoor photography.

This model is similar to the Series III but has greater bellows capacity and is, therefore, adapted better for using long focus lenses or a Pan-ratic Telephoto Lens. The extra bellows length is useful for copying and working at close range in photographing flowers, birds or other subjects which must be taken about natural size.

The extension bed is made of mahogany with metal bearings and adds very much to the appearance of this camera besides being more substantial than the usual construction of a narrow metal bed plate.

SPECIFICATIONS

Mahogany with rubbed finish, metal parts nickel plated, leather covered, leather bellows, spring actuated detachable ground glass frame, automatic swing back, rising and falling front with rack and pinion, reversible back, diagonal rack and focusing pinion, detachable lens board, adjustable front lock, brilliant finder, horizontal level, plano bed hinge, tripod sockets.

Bellows length	12 inches	16 1/4 inches
Dimensions	3 1/4 x 6 1/4 x 6 1/4	3 1/2 x 8 x 8
Weight	2 lbs., 11 ozs.	3 lbs., 11 ozs.

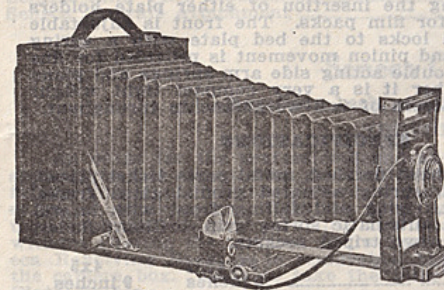
Betax Shutter with Antinous release

OUR PRICES

Including sole leather case and one plate holder

	4x5	5x7
Series IV Korona, Rapid Convertible Lens.....	\$28.80	\$36.00
Series IV Korona, Rapid Rectigraphic Lens.....	59.70	71.10
Series IV Korona, Series II Turner-Reich Anastigmat F:6.8 in Optimo.....	76.95	92.25
Series IV Korona, without lens or shutter.....	21.60	28.80
Plate holders	1.12	1.35
Korona Adapter for film packs	1.58	2.25
Shoulder strap .....	.75	1.00
Series IV Stereo Korona 4x5 Rapid Rectilinear Lenses F:8, Regular Stereo Shutter with carrying case and one holder. Price \$72.50.		

Series II Korona For Plates and Film Packs



In comparison with the Series I Korona this model has the advantages of a rack and pinion for quick and accurate focusing, a longer bellows and a convertible lens, the rear combination of which may be used alone to increase the size of the image. This camera offers a better range of adjustments for copying and other work and may be used with a wide angle lens by dropping the bed if a wide angle bed plate is obtained. This is a standard design which will always be popular and it may be used very satisfactorily for every purpose including telephotography.

SPECIFICATIONS

Mahogany with rubbed finish, leather covered, metal parts, nickel plated, spring actuated detachable ground glass frame, detachable lens board, reversible back, rising and falling front, leather bellows.

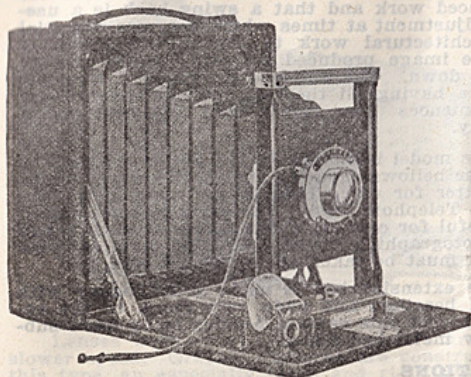
	4x5	5x7
Bellows Length	11 in.	11 in.
Dimensions	3x6 1/4 x 6 1/4	3 1/2 x 8 x 8
Weight	2 lbs. 4 oz.	3 lbs. 2 oz.
Lens Board	2x2 in.	2 1/2 x 2 1/2

Gammox Shutter, with Antinous release
Including leatherette covered case and one plate holder

	Our Price 4x5	Our Price 5x7
Series II Korona, Rapid Rectilinear Lens.....	\$18.90	\$23.40
Series II Korona, without lens or shutter.....	14.40	18.00
Plate holders	1.12	1.35
Korona Adapter for film packs.....	1.58	2.25
Lens Boards .....	.50	.60

Series I Korona

For Plates and Film Packs



This camera is admirably adapted to the beginner's requirements. It has a rising and falling front which is a very useful feature, a reversible back which is a great convenience and sufficient bellows length for every ordinary purpose. The bed may be dropped by detaching the side arms, permitting the use of a wide angle lens in connection with our simple wide angle bed plate. The construction and finish are in every way equal to our higher priced cameras and altogether this is a simple, compact and serviceable camera of excellent value for its moderate price.

(Like No. 2 camera except it has no Rack and Pinion.)

Mahogany rubbed finished, metal parts nickel plated, leather covered, spring actuated, detachable ground glass frame, rising and falling front, reversible back, brilliant finder, plano hinge, tripod socket. Wollensak Ultra Shutter with antinous release.

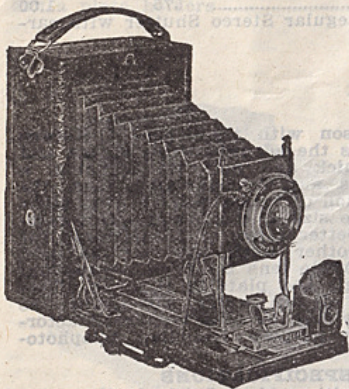
Bellows Length	4x5	5x7
Dimensions	7 inches	9 inches
	3x6 1/4 x 6 1/4	3 1/4 x 8 x 8
Weight	2 lb., 2oz.	2 lbs., 14 oz.

Including leatherette covered case and one plate holder

	Our Price	Our Price
	4x5	5x7
Series I Korona, Rapid Rectilinear Lens, Deltax Shutter	\$16.20	\$20.70
Series I Korona without lens or shutter	12.60	16.20
Plate holders	1.12	1.35
Korona Adapter for film packs	1.58	2.25
Shoulder strap	.75	1.00

Korona Petit

For Plates and Film Packs



In this we present a very practicable and attractive camera equally convenient to use with or without a tripod. The body frame and bed are made of mahogany highly finished which is lighter than metal, quite as serviceable and certainly more beautiful. The metal parts with one exception of the front are nickel plated and polished. The back frame containing the focusing screen is spring attached and detachable easily admitting the insertion of either plate holders or an adapter for film packs. The front is adjustable both ways and locks to the bed plate with a spring grip. A rack and pinion movement is provided for fine focusing also double acting side arm springs and plano hinge. Altogether it is a very compact light weight and efficient camera of fine workmanship throughout.

SPECIFICATIONS

Mahogany, rubbed finished, metal parts nickel plated, leather covered, spring actuated ground glass frame, all metal front, rising and falling front with lateral adjustment and automatic spring grip, brilliant finder, leather bellows, two tripod sockets.

Bellows length	3 1/4 x 5 1/2	4x5
Dimensions	9 inches	9 inches
	2 1/4 x 4 1/2 x 6	2 1/2 x 5 1/4 x 6 1/4
Weight	24 oz.	28 oz.

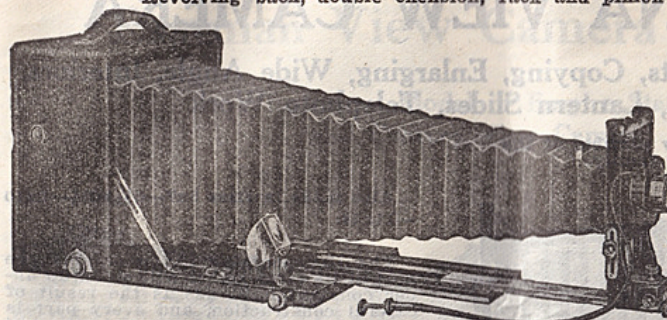
Deltax Shutter with antinous release

Including one plate holder

	Our Price	Our Price
	3 1/4 x 5 1/2	4x5
Korona Petit, Rapid Rectilinear Lens	\$13.50	\$13.50
Korona Petit with F:7.5 Anastigmat Lens	26.75	26.75
Korona Petit, Series II Turner-Reich Anastigmat, Betax Shutter	58.50	58.50
Carrying case, for camera and four holders	3.50	3.50
Plate holders	1.12	1.12
Korona Adapter for Film Packs	1.58	1.58

Seneca Camera No. 9

Revolving back, double extension, rack and pinion swing in rear



Seneca No. 9 embodies every feature known to the camera art. It is a superb instrument from every point of view, and stands supreme as the acme of perfection in camera making. It is constructed in the best possible manner of selected mahogany, ebony finish, dove-tailed together and handsomely covered with walrus grain leather, the metal

work being of brass, handsomely nicked and polished. For copying or other work required of long focus lenses, this instrument is especially adapted. The Double Extension Bed is made on the very latest principles, one pinion only being used to rack out both beds, the top bed or extension locking itself automatically to the bottom bed as the pinion is turned forward, and unlocking automatically as the camera front is racked back to position.

The camera is fitted with the Auto Automatic (dustproof) Shutter and Triple Convertible Rapid Symmetrical Lens, F:8. Its combinations may be used together or separately. The rear combination of the lens used alone doubles the size of the object. A still larger object may be obtained by removing the rear combination entirely and using the front lens in the rear of the shutter.

Size of Camera	Focal Capacity Inches	Camera Closed Inches	Carrying Case Inches	Capacity Carrying Case	Size Lens Board
4 x 5	16	6 1/2 x 6 1/2 x 4	12 1/2 x 4 3/8 x 7 1/2	Camera and 7 Holders	2 1/4 x 2 1/2
3 1/4 x 5 1/2	17 1/2	7 x 7 x 4 1/4	12 3/4 x 5 x 7 1/2	Camera and 7 Holders	2 1/4 x 2 1/2
5 x 7	22 1/2	8 3/4 x 8 3/4 x 4 3/4	15 x 4 3/4 x 9	Camera and 7 Holders	3 x 3 1/2

Price includes Camera, Leatherette Carrying Case, Seneca Simplex Plate Holder, Manual of Photography and Instruction Book.

DIMENSIONS

Carrying Case

Capacity

Size

Inches

Carrying

Lens

Inches

Case

Board

Inches

Camera

2 1/4 x 2 1/2

Inches

Camera

2 1/4 x 2 1/2

Inches

Camera

3 x 3 1/2

Inches

Camera

3 x 3 1/2

OUR PRICE

(3A Post Card)

Seneca Camera No. 9 with Rapid Symmetrical Convertible Lens, speed F:8 and Betax (dustproof) Shutter	4x5	3x5 1/2	5x7
Seneca Camera No. 9 with Wollensak Anastigmat Lens, speed F:7.5, and Betax Shutter	\$49.50	\$49.50	\$54.00
Seneca Camera No. 9 with Velostigmat Series IV Anastigmat Lens, speed F:6.3, and Optimo Shutter	54.00	54.00	67.50
Seneca Camera No. 9 complete but without Lens and Shutter	72.00	72.00	85.50
Supplementary Wide Angle Bed	44.10	44.10	46.80
Extra Simplex Double Plate Holders, each	.95	.95	.95
Seneca Film Pack Adapter	1.35	.90	1.50
Seneca Portrait Attachment	1.65	1.65	2.35
	.75	.75	.75

Seneca Camera No. 8

Revolving back, single extension and swing back

(REVOLVING BACK)

An outfit for the professional and advanced amateur at a moderate price. The extension of the bed operated by rack and pinion, the supplementary wide angle bed, the rising, falling and laterally sliding front, the swing back and the revolving back provide a wide range of adjustments. With the long bellows, the rear combination of the lens may be used separately almost doubling the size of the image. Vertical or horizontal pictures without altering the position of the camera itself are made possible by the use of the Seneca Revolving Back; it is removable, but when in position remains securely attached to the camera box. Made to take the Film Pack Adapter. Price includes Case and Simplex Plate Holder.

DIMENSIONS

Size of Camera	Focal Capacity Inches	Camera Closed Inches	Carrying Case Inches	Capacity Carrying Case	Size Lens Board
4x5	11 1/4	6 1/2 x 6 1/2 x 3 1/2	12 x 4 x 7 1/2	Camera and Six Holders	2 1/4 x 2 1/2
3 1/4 x 5 1/2	12 1/2	7 x 7 x 3 3/4	12 1/4 x 4 1/8 x 7 1/2	Camera and Six Holders	2 1/4 x 2 1/2
5x7	16 1/2	8 3/4 x 8 3/4 x 3 3/4	16 1/2 x 4 1/4 x 9	Camera and Six Holders	3 x 3 1/2

Our Price

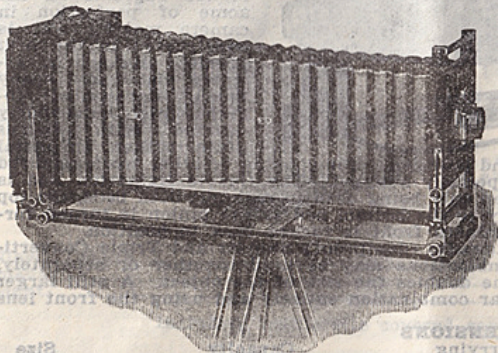
Seneca No. 8 with Symmetrical Lens F:8 and Betax Shutter	4x5	3x5 1/2	5x7
Seneca No. 8 with Wollensak Anastigmat Lens, Speed F:7.5 and Betax Shutter	\$31.50	31.50	40.50
Seneca No. 8 with Velostigmat Lens, Triple Convertible Series IV Speed F:6.3 and Optimo Shutter	36.00	36.00	54.00
Seneca No. 8 complete but without Lens and Shutter	49.50	49.50	76.50
	27.00	27.00	34.20

For other accessories see Seneca No. 9.

KORONA VIEW CAMERA

For Views, Portraits, Copying, Enlarging, Wide Angle, Interiors, Groups, Lantern Slides, Telephoto Work

The 4x5 size is a new member of the Korona View family.



Also made in sizes 5x7—6½x8½—8x10—11x14.

The Korona View is comparably the best of its class and it will stand up under constant hard use as the result of careful construction, and every part is well proportioned that strength and rigidity are secured without any unnecessary weight. The appearance of these Cameras has been immensely improved by changing the finish to walnut. The rising front and vertical swing both operate with rack and pinion. The action of the ground glass frame is the most distinctive and valuable feature of this camera. The ground glass frame is pivoted in the centre and the springs have less than half the usual distance to move, so there is no chance of straining or weakening them, while the holder may very easily be inserted or removed. We believe you would give the Korona View the preference for this feature alone. Another convenience is the bed screws which fall right into place and merely require a few turns to lock the bed sections together. The bed braces furnished with the 6½x8½, 8x10 and 11x14 sizes give great rigidity and strength to the bed when the camera is fully extended.

For wide angle work we suggest folding the front bed up against the front standard and focusing from the rear. We also direct attention to the large size of the Lens boards and exceptional bellows length of this camera in all sizes. The canvas covered cases are very strongly made and lined with canton flannel. A long case to take camera and six holders is supplied with the 5x7, 6½x8½, and 8x10 sizes. A short case for camera and three holders in 11x14 size. The short case is optional with the other sizes.

SPECIFICATIONS

Metal parts are nickel plated, reversible back, spring acting pivoted, ground glass frame, double swings, rising and falling front with rack and pinion, sliding panel in back, detachable lens boards, bed brace, automatic back stop, leatherette bellows lined with rubber cloth.

	4x5	5x7	6½x8½	8x10	11x14	7x11
Lens boards	4x4	4½x4½	4½x4½	6x6	6¾x6¾	6¾x6¾
Weight	4½ lbs.	5½ lb.	7 lb.	9 lb.	15 lb.	10½ lb.
Bellows length	20 in.	24 in.	28 in.	32 in.	42 in.	34 in.

PRICES

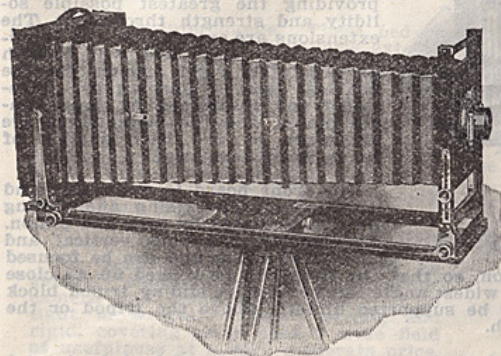
Including Case and One Holder

	4x5	5x7	6½x8½	8x10	11x14	7x11
Korona View Camera without Lens or Shutter	\$ 27.00	\$28.80	\$ 31.50	\$ 34.20	\$ 52.20	\$ 41.40
Ditto with Rapid Convertible Lens f:8 in Universal Shutter; 11x14 has General Shutter	42.30	47.80	59.40	67.50	108.90	74.70
Ditto, with Rapid Rectigraphic Lens f:8 in Universal Shutter; 11x14 has General Shutter	53.70	60.60	72.90	84.00	129.20	91.50
Ditto, with ser. II f:6.8 Turner-Reich Anastigmat Lens in Universal Shutter	86.00	95.75	130.00	151.70	232.30	158.90
Ditto, with ser. II f:4.5 Velostigmat Lens in Betax Shutter; 11x14 has Studio Shutter	69.60	79.60	128.70	165.20	262.70	171.20
Ditto, with Verito f:4 diffused locus Lens in Studio Shutter	66.60	76.10	91.20	115.20	156.70	122.20
Plate or Film Holders	1.13	1.35	1.58	1.80	4.50	1.80
Leather Bellows, extra	\$2.00	\$2.50	\$3.50	\$4.00	\$4.00	\$5.00
Lens Board, specify size	.72	.72	.72	.85	.85	.95

The 4x5 Korona View will be supplied at listed price with the choice of a reversible back for 4x5, 3¼x5½ or 3¼x4¼ holders. 3¼x5½ Back for 4x5 Korona View\$4.50

Eastman View Camera No. 1

Improved Model of Empire State and Century View Camera



Anyone who is in the market for a substantial, reliable view camera at low cost, will find the Eastman View Camera No. 1 of very exceptional value for the money.

The camera has no complications, it is built for practical service, and its various adjustments are such as to work conveniently and easily.

It has double extension, giving the camera a very long draw of bellows. Both front and back are actuated by rack and pinion, so that the camera may be focused from either end, and the back can be racked up as close to the front as desired. This provides for the use of lenses of the widest angle, without the chance of the front

extension cutting off the rays to the lens.

The camera is provided with rising and falling front of great latitude, which is actuated by rack and pinion. The front board is removable and is large enough to accommodate any lens.

Both horizontal and vertical swings are provided, and the back is reversible and furnished with a vertical cut-off board, so that two negatives may be made on one plate, if desired.

The bellows is kept up in place at all times, without sagging, by a spring arrangement attached to the inside bellows frame. This requires no attention by the operator as it works automatically and folds with the bellows when the camera is closed.

A strap handle and plumb level are supplied, and the camera folds up compactly when not in use. The carrying case is of canvas and is made to accommodate camera, six plate holders and a tripod.

Particular attention is called to the Eastman View No. 1 Complete Outfit.

Bellows Draw, 5x7, 22½ inches; 6½x8½, 26 inches; 8x10, 29 inches. Weight, 5x7, 6 pounds; 6½x8½, 8 pounds; 8x10, 9½ pounds. Size of Lens Board, 5x7, 4¼x4¼ inches; 6½x8½, 4¾x4¾ inches; 8x10, 4¾x4¾ inches. Carrying Case, long style canvas, combination style, with compartments for camera, holders and tripod.

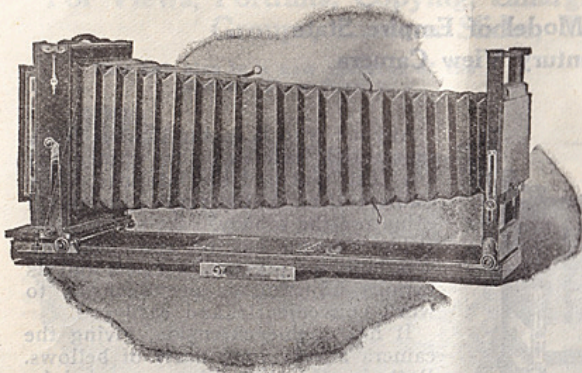
The Price

	5x7	6½x8½	8x10
Eastman View Camera No. 1 (Improved Model of Empire State and Century View) with case and Holder	\$32.40	\$ 35.00	\$ 36.00
Same, with Velostigmat, Ser. IV, F:6.3, Betax Shutter	67.05	86.30	106.20
Same, with Rapid Rectilinear Lens, Betax Shutter	45.90	57.50	64.80
Same, with Velostigmat, Ser. II, F:4.5, Betax Shutter	83.70	134.00	168.30
Extra Lens Boards	.50	.65	.70
Eastman View Plate Holders	1.65	1.75	1.85
Eastman Portrait Film Holders	1.65	1.75	1.85

11 x 14 View Camera

NOTE—When an 11x14 View Camera is desired we will supply the well known Empire State View Camera. This instrument is of most substantial construction; bellows draw 37 inches. Front and back focus. Price, with carrying case and one plate holder, \$67.50

Eastman View No. 2



All our experience in view camera making, all the information that we have been able to collect of the needs of the view camera worker, have been put into the proposition of providing in this model a view camera as near to perfection as human ingenuity can devise.

It is constructed with the idea of providing the greatest possible solidity and strength throughout. The extensions are extra thick, the standard is very large and will furnish an absolutely rigid support for the heaviest lens. Corners are dovetailed and reinforced by brass angle pieces, and the metal parts are all made of the best quality of brass, fully lacquered.

The front board is removable and very large. The rising and falling front is actuated by rack and pinion. The camera has both vertical and horizontal swing and can be focused

from either front or rear by rack and pinion, so that the back can be racked up as close to the front as desired. Thus lenses of the widest angle can be used. A sliding tripod block is provided so that the camera can always be supported directly above the tripod or the weight distributed, as the operator may wish.

The back is reversible, a plumb level and strap handle are supplied and both horizontal and vertical cut-off boards are furnished so that four different negatives can be made on one plate if desired. The bellows of this camera are made of genuine leather and a spring arrangement working automatically prevents it from sagging at any time.

The method of locking extensions is very convenient, not by means of the old-fashioned, long threaded screw, but by a specially constructed device which locks firmly by merely being pushed in and given a quarter turn. The back extension, which is detachable, in addition to this device is further strengthened by two clamp catches which hold it absolutely rigid.

Especial attention is called to the 7x11 size—a proportion which will prove very attractive to many workers. This camera has an especially wide front board with sliding arrangement which permits the centering of the lens on either half of the 7x11 plate when it is desired to make two exposures on one plate. The swing of this model is of unusual latitude to obtain its fullest swing, for architectural work.

Anticipating that most photographers will prefer to use Eastman Portrait Film with this size camera, we will supply the Eastman Portrait Film Holder with it unless otherwise specified.

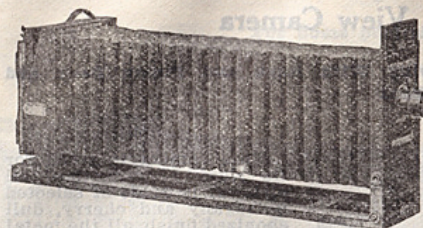
The camera is made of mahogany and hand polished, with the exception of the extensions, which are of cherry on account of its greater strength.

Specifications—Bellows: draw, 5x7, 23 in.; 6½x8½, 26½ in.; 8x10, 29½ in.; 7x11, 31 in. Weight: 5x7, 7 lbs.; 6½x8½, 10½ lbs.; 8x10, 11½ lbs.; 7x11, 15½ lbs. Size of Lens Board: 5x7, 4¼x4¼ in.; 6½x8½, 6x6 in.; 8x10, 6x6 in.; 7x11, 6½x3¾ in. Carrying Case, canvas, combination style, with compartments for camera, holders and tripod. All operating nuts on the right side, binding nuts on the left hand side.

OUR PRICES

	5x7	6½x8½	8x10	7x11
Eastman View No. 2 with Case and Holder.....	\$ 41.40	\$ 43.20	\$ 45.00	\$ 49.50
Eastman View No. 2 with Symmetrical Lens, Betax Shutter.....	56.10	67.45	75.90	80.25
Eastman View No. 2 Case and Holder but with Velostigmat Ser. IV Lens in Betax Shutter.....	76.05	94.50	115.20	119.20
Eastman View No. 2 Case and Holder but with Velostigmat Series 1, F:6.3 Anastigmat Lens.....	88.65	115.20	135.90	140.40
Eastman View No. 2 Case and Holder, but with Velostigmat Series 2, F:4.5 Anastigmat Lens.....	92.70	142.20	177.30	181.80
Eastman View No. 2 Case and Holder, but with Turner-Reich Series 2, F:6.8 Anastigmat Lens in Betax Shutter.....	100.35	130.05	145.80	150.35
Extra For Ilex Acme or Optimo Shutter in place of Betax.....	7.00	7.00	7.00	7.00
Plate Holders.....	1.65	1.75	1.85	1.85
Portrait Film Holder.....	1.65	1.75	1.85	1.85
Extra Lens Board.....	.90	1.10	1.10	3.00

F. & S. Commercial Camera



The F. & S. Commercial Camera is designed to meet every requirement of the commercial photographer, and is constructed so that lenses having extreme focal length, as well as those of short focus, may be utilized. Every adjustment is provided—extreme rising and lowering front actuated by rack and pinion, double swing back adjustment with excessive swing operated with quick thread screw, and extra long draw of bellows with unique bellows support. The front of the bellows being rectangular and the full height of the camera, permits the fitting of a front with extreme rising and lowering movement, without the possibility of the bellows cutting into the image or the puckering of the bellows.

The extension bed is divided into four sections which interchange. These bed sections are fitted with tripod plates, so that when the camera is used with bellows extended to its full capacity, two tripods may be utilized. The camera is made from selected mahogany and cherry, all wood finished in hard oil and metal parts in lacquered polished brass.

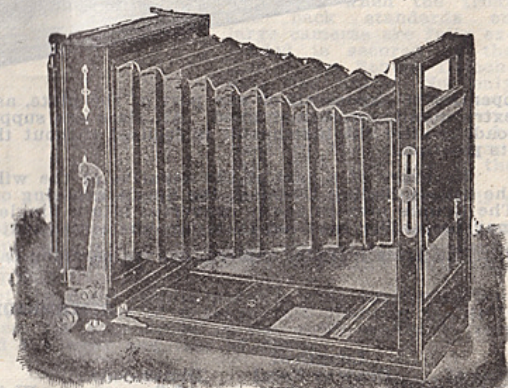
Focal capacity, 8x10, 42 inches. Dimensions when closed, 17x8¾x13. Size of Lens Board 7x7. Focal capacity, 11x14, 54 inches. Dimensions when closed, 22x10x17¼. Size of Lens Board, 8x8.

THE PRICE

Commercial Camera, including Carrying Case and one Sterling Plate Holder.....	\$103.50
Extra Sterling Plate Holder, each.....	3.25
Extra Sterling Cut Film Holders, each.....	3.25
Extra Lens Board, each.....	.75

Seneca Competitor View Camera

For scientific purposes, as well as general photography, the Competitor camera has found great favor. It is light in weight, compact, strong and rigid, covering as it does a wide field of usefulness at a very moderate price. Among distinct advantages, it has a reversible back and both horizontal and vertical swings in the rear. The back focus is operated by a rack and pinion and allows any width of angle lens to be used without the front obstructing the view. The camera also possesses two tripod plates for properly balancing the instrument; has a rising and falling, also sliding front; again, the front is made wide enough so that stereoscopic lenses may be used if desired. The Competitor equipment includes a neat canvas carrying case which accommodates the camera and three double plate holders.



Camera Box and Bed, mahogany finish, polished. Metal Parts, brass polished and lacquered. Front, wide, rising and falling, also sliding. Lens Board, removable, Bellows, leatherette, lined with gossamer cloth.

Size of Camera	Focal Capacity	When Folded or Closed	Size of Lens Board
5x7	14½	5x10 x11¼	4x6
6½x8½	16	5x11¼x12½	4x6
8x10	18	5x13¼x14½	4x6

PRICES

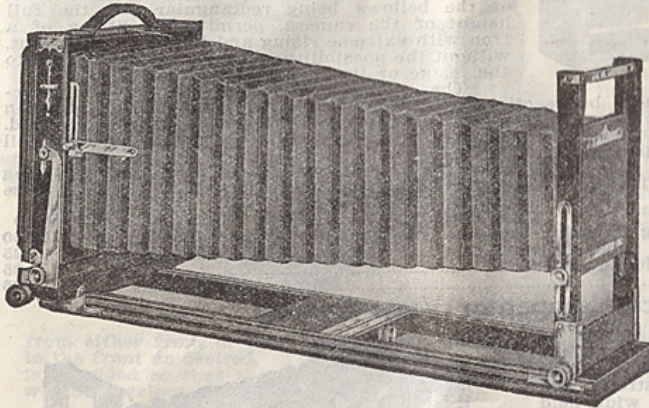
Competitor Camera complete as above.....	5x7 Price \$25.50	6½x8½ Price \$ 27.20	8x10 Price \$ 28.90
Competitor fitted with Rapid Symmetrical lens, speed F:8 and Betax shutter.....	39.95	50.15	57.80
Competitor fitted with Velostigmat Ser. IV Anastigmat lens, speed F:6.8 and Betax shutter.....	58.90	77.40	97.90
Competitor fitted with Velostigmat Ser. II f:4.5 Anastigmat lens in Optimo shutter. 8x10 has Betax shutter.....	80.30	138.40	173.40
Competitor fitted with Turner-Reich Ser. II f:6.8 Anastigmat lens in Ilex Universal shutter.....	91.50	123.75	143.50
Extra improved double plate holders, each.....	1.50	1.65	1.80

Selecting a Camera—Kodak—or Lens

If you are in doubt about what Camera, Kodak or Lens you should select for your purpose, we will gladly help you. Just let us know for what purpose you wish to use the Camera, Kodak or Lens and about how much you wish to invest. We will then furnish you with a list of the best equipments the sum you mention will buy. You have the privilege of testing the outfit you purchase for ten days. If you are not satisfied at the end of ten days, you can return your selection for some other, or we will refund your money.

New Improved Seneca View Camera

The Outfit for Home Portraiture and General Viewing With Back and Pinion Back and Front—Jarless Back



This camera is noted for its rigidity more than all else. It is made of selected mahogany and cherry, dull ebonized finish, all the metal parts being of extra heavy gauge brass, handsomely nickel plated. It is reinforced throughout, insuring maximum strength and rigidity. It is also equipped with both horizontal and vertical swings, operated by rack and pinion, and set-screw; both swings are centered. It has a triple extension bed, double grooved, fitted with brass shoes, admitting of the most accurate adjustments, and insuring ease of manipulation. The camera is provided with handle and plumb bob.

The back is reversible and is equipped with the Sliding Division, which permits the

operator to expose all or any part of the plate, as he chooses. The bellows is a new type, extra quality, gossamer lined. All sizes are supplied with a Jarless Back, which permits loading after the instrument is focused without the danger of the minutest deflection from its position.

Exposure of a part of the negative at the will of the operator is possible by means of the Seneca Sliding Division; the Single exposing one-half at a time, the Double one-quarter. The Double may be easily converted into a Single Sliding Division. The sections of either may be readily removed to expose the entire plate at one time.

The price includes camera, canvas carrying case and one double plate holder.

DIMENSIONS

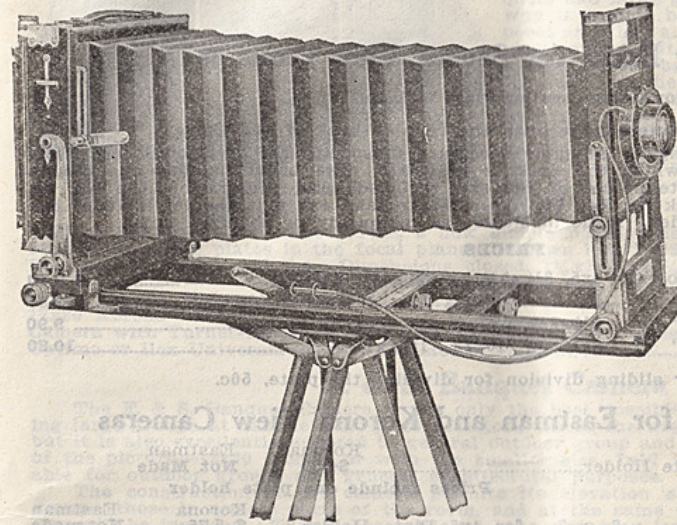
Size of Camera	Length of Draw or Focal Capacity	Dimensions of Camera	Weight	Dimensions of Lens Board	Number of Holders Regular Case Will Carry With Camera
5 x 7	23 1/2 in.	4 1/2 x 10 1/2 x 11 1/4	6 1/2 lbs.	4 1/4 x 4 1/4	6 Long Canvas Carrying Case
6 1/2 x 8 1/2	26 in.	5 x 11 1/2 x 12 1/2	7 1/2 lbs.	4 3/4 x 4 3/4	5 Case
8 x 10	30 in.	5 3/4 x 13 1/2 x 14 1/4	10 1/2 lbs.	5 1/4 x 5 1/4	3 Square Case
11 x 14	39 1/2 in.	6 1/2 x 17 1/2 x 19	18 1/2 lbs.	6 1/2 x 6 1/2	

PRICES

	Our Price	5x7	6 1/2x8 1/2	8x10	11x14
New Improved Seneca View Camera.....	\$30.60	\$32.30	\$34.00	\$55.25	
New Improved Seneca View Camera, fitted with Seneca Three-focus Convertible Symmetrical Lens, Speed F:8, and Betax Shutter.....	45.05	51.00	61.20	105.00	
New Improved Seneca View Camera, fitted with Velostigmat ser. IV f:6.3 Anastigmat Lens, in Betax Shutter. No. 2 Lens fitted to 5x7, No. 3 Lens fitted to 6 1/2x8 1/2, No. 4 Lens fitted to 8x10.....	Our Price	64.50	82.50	102.50	
New Improved Seneca View Camera, fitted with Series II, Velostigmat Anastigmat Lens, Speed F:4.5, and Optimo Shutter. No. 2 Lens fitted to 5x7, No. 4 Lens fitted to 6 1/2x8 1/2, No. 5 Lens and Betax Shutter fitted to 8x10, No. 7 Lens in Studio Shutter fitted to 11x14.....	Our Price	80.50	130.00	165.00	265.00
Ditto with Velostigmat Series I, F:6.3 Lens Optimo.....	Our Price	83.50	110.00	130.00	205.00
Extra for Genuine Leather Bellows instead of Leatherette.....	Our Price	5.50	6.00	6.50	8.30
Extra for large Canvas Case with extra compartment for Tripod, Lens and Shutter in place of case regularly furnished.....	Our Price	2.00	2.00	2.50	3.50
Extra for Sliding Front Bed.....	Our Price	3.50	4.00	4.50	4.75
Extra Improved Double Plate Holders, each.....	Our Price	1.50	1.65	1.80	5.10

Camera City View and Studio Outfit

For home portraiture and general viewing.



With Double Tongued Bed, Rack and Pinion both Back and Front, Sliding and Wide Angle Front Bed, Jarless Back, Extreme Rise and Fall in Front, Detachable Bed Brace—Patented.

Rigidity of construction is the dominating feature of the Camera City View Outfit. The celebrated Seneca system of reinforcement strengthens the entire frame until it will well nigh withstand any reasonable strain put upon it. The mahogany and cherry construction with heavy nickel plated brass trimming allows a superior finish and workmanship. Absolute rigidity of the bed even when the front and back standards on large cameras are fully extended is secured by the use of the Seneca Detachable Bed Brace. Not only is it serviceable when both front and rear extensions are used, but it may be used to the same advantage with only one of the extensions.

A bellows of genuine leather which is guaranteed not to crack or become porous is a regular part of the equipment.

The many other features are: The three-section double tongued bed with detachable brace; rising and falling front; sliding and wire angle front bed; vertical and horizontal swing back; reversible and JARLESS BACK, PATENT BELLOWS SUPPORT AND THE DOUBLE AND SINGLE SLIDING DIVISIONS.

The outfit is complete, it is capable of the finest results under a wide variety of conditions. The capacity of the lens board for all lenses of a reasonable diameter makes it very suitable indeed for home portraiture; the appearance of the outfit makes it very desirable for that purpose. It will stand the wear and tear of years.

Size of Camera	Length of Draw or Focal Capacity	Dimensions of Camera	Weight	Dimensions of Lens Board	Number of Holders Regular Case will Carry with Camera
5 x 7	23 1/2 in.	4 1/2 x 10 1/2 x 11 1/4	7 lbs.	4 1/4 x 4 1/4	6
6 1/2 x 8 1/2	26 in.	5 x 11 1/2 x 12 1/2	8 lbs.	4 3/4 x 4 3/4	5
8 x 10	30 in.	5 3/4 x 13 1/2 x 14 1/4	11 lbs.	5 1/4 x 5 1/4	6
11 x 14	39 1/2 in.	6 1/2 x 17 1/2 x 19	18 lbs.	6 1/2 x 6 1/2	3

Regular equipment includes Camera, Detachable Brace, Sliding and Wide Angle Front Bed, Carrying Case and one Improved Double Plate Holder (English Book Holder above 8x10), one extra Lens Board and Long Carrying Case with compartments. (This style case will accommodate Camera, 6 Extra Holders, Tripod, Lens and Shutter.) Square case furnished for 11x14 size.

	5x7	6 1/2x8 1/2	8x10	11x14
Complete as above without lens or shutter.....	\$37.40	\$ 39.95	\$ 42.50	\$ 63.75
Camera City View and Studio Outfit, fitted with Seneca Three-focus Convertible Symmetrical Lens, f:8, and Betax Automatic (dustproof) Shutter.....	47.60	60.36	69.70	112.50
Camera City View and Studio Outfit, fitted with Series I Velostigmat Anastigmat Lens, f:6.3, and Betax Automatic (dustproof) Shutter. No. 3 Lens fitted to 5x7, No. 4 Lens fitted to 6 1/2x8 1/2, and No. 5 Lens fitted to 8x10, and No. 6 Lens fitted to 11x14.....	83.50	110.00	132.00	215.00
Camera City View and Studio Outfit, fitted with Series II, Velostigmat Anastigmat Lens, speed f:4.5, and Optimo Shutter. No. 3 Lens fitted to 5x7 size, No. 4 Lens fitted to 6 1/2x8 1/2 size, No. 5 Lens in Auto Shutter fitted to 8x10 size, and No. 7 Lens in Studio fitted to 11x14.....	94.50	144.00	173.50	275.00
Extra Improved Plate Holders.....	1.50	1.65	1.80	5.10
Seneca Portrait Double Film Holders.....	1.50	1.65	1.80	5.10

High Speed Shutters

	5x7	6½x8½	8x10
Seneca Focal Plane	\$22.50	\$24.75	\$26.10
Extra for Optimo Speed Shutter.....	9.00	9.00	9.00

Reducing Backs for Seneca View Cameras

For Using Smaller Plate Holders.

Made to interchange with the regular back of the Camera.

In ordering, it is simply necessary to specify the style of Seneca View Camera for which the back is intended. The back includes one double improved plate holder of the size required. For illustration, the No. 2A Reducing Back for 5x7 View cameras to take 4x5 plate holder includes one 4x5 plate holder. Made in either the mahogany or ebonized finish.

PRICES

No. 2A for 5 x 7 View to take 4x5, 3¼x5½ or 3¼x4¼, 8¼x8¾	\$ 8.10
" 5A " 6½x 8½ " " " 5x7, 4x5 or 3¼x5½, 10¼x10¼	8.55
" 9A " 8 x 10 " " " 6½x8½, 5x7 or 4x5, 12x12	9.90
" 12A " 11 x 14 " " " 8x10 or 10x12, 16¼x16¼	10.80

Extra for sliding division for dividing the plate, 50c.

Reducing Backs for Eastman and Korona View Cameras

4x5 for 3¼x4¼ Plate Holder.....	Korona \$4.50	Eastman Not made
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Prices include one plate holder

	Korona	Eastman
5 x 7 for 4x5 Plate Holder	\$ 5.75	Not made
6½x 8½ for 5x7 Plate Holder	6.35	\$10.45
8 x10 for 6½x8½ or 5x7 Plate Holders	6.90	11.40
7 x11 for 5x7-6½x8½ or 8x10 Plate Holders	Not made	11.40
11 x14 for 8x10 or 6½x8½ Plate Holders	8.05	Not made
11 x14 for 10x12 Plate Holders.....	9.20	Not made
7 x17 for 6½x8½ Holders, Reversible	11.50	Not made
8 x20 for 8x10 Holders, Reversible	13.80	Not made

By purchasing a Reducing Back you will have two Cameras in one, that is, two different sizes.

One Plate Holder furnished with Eastman Backs, none with the Korona.

The Century Multiplying Back

With the Century Multiplying Back, a view camera can be converted into a multiplying camera by simply removing the reversing back and placing the multiplying back in position—as easily accomplished as changing the reversing back from a vertical to a horizontal position.

This back is constructed to give one, two, four, nine, fifteen and twenty-four exposures on a 5x7 plate, and can be instantly adjusted to the Century and Empire State Cameras in the 6½x8½ or 8x10 sizes.

The Century Multiplying Back accommodates the regular 5x7 view plate holder.

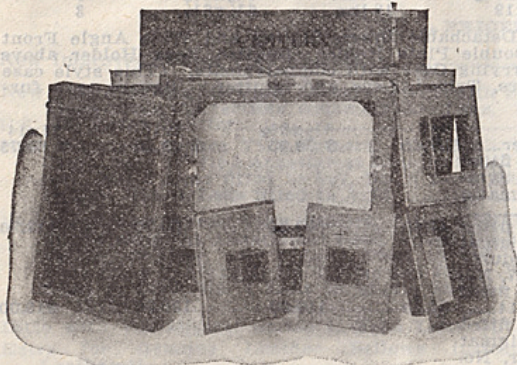
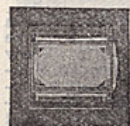
In ordering, be sure to specify the style of camera for which the back is intended. When the Century Multiplying Back is ordered for any view camera not mentioned above, a nominal charge will be made for special fitting.

PRICE

Century Multiplying Back, 6½x8½ or 8x10, including one 5x7 Century View Plate Holder\$20.45

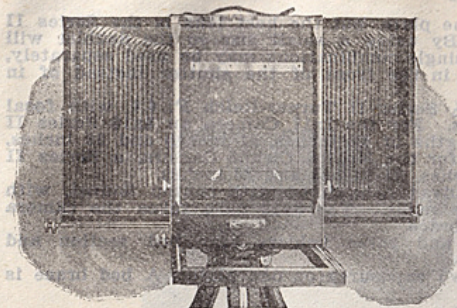
Sliding Ground Glass Carriage

For use on the No. 2 Eastman View 8x10 camera only. Price NOT including holder \$17.10



Korona Banquet Cameras

With Swing Front



We have incorporated in the construction of this camera many ideas suggested by expert commercial photographers and primarily it is intended for taking flashlights of banquets and large groups but there is no reason why it cannot be used for many other purposes as it has all the usual adjustments of a view camera. It is a front focusing camera without a rear bed extension but may also be focused from the rear for convenience in final focusing. The front has a vertical swinging lens board and there is a double swing in connection with the rear frame. The rising and falling front operate from rack and pinion and allow ample adjustment. This camera is made of cherry throughout with walnut finish and has all metal parts nickel plated,—a very handsome combination. The holders have double flexible valves, a new simple positive device for holding the plates, springs keep the plates in the focal plane. Bellows length 22¼ inches. Lens Board 5½x5¼ inches. Weight 18 lbs. Dimensions closed, 7¼x18½x23¼.

With Canvas Covered Case and one holder.

12x20 Korona Banquet Camera.....	Our Price \$ 64.50
12x20 Korona Holders	Our Price 6.75
Camera with Turner-Reich Ser. 2 F:7.5 Anastigmat Lens, General Shutter	Our Price 215.00
Optimo or Ilex Universal Shutter in place of General, extra.....	Our Price 2.50

F. & S. Banquet Camera

The F. & S. Banquet Camera is not only the best possible instrument for photographing large groups at banquets or other occasions where the negative must be made indoors, but it is also excellently adapted to general outdoor group and view work. The dimensions of the picture—12x20 inches, or with the smaller size, 7x17 inches—are particularly suitable for outdoor groups and general architectural purposes.

The construction of the camera permits its elevation so that when making indoor groups, those in remote parts of the room, and at the same time those close to the camera, will be included. This is accomplished by a swinging lens board with great rise and fall. By adjusting the back of the camera in a vertical position and lowering the lens board so that the optical axis of the lens will fall through the center of the plate with the lens pointing downward, the rectilinear lines of the interior of the building will be preserved and the greatest possible number of figures included in the picture.

The camera is provided with both front and back rack and pinion focusing adjustment, and the front track of the camera is wide enough to permit the sliding lens board frame to drop between the rails.

Two size tripod screw plates are fitted to the bed, one taking a stand and tripod screw, and the other a larger size.

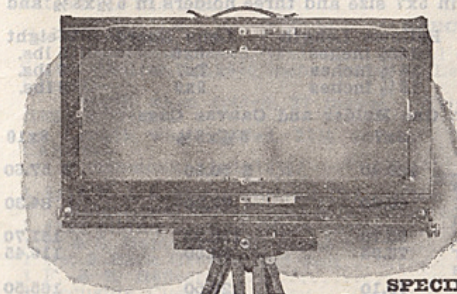
The whole camera folds up compactly, and is provided with a handle so that the camera may be carried about when not contained in the carrying case.

The woodwork is finished in hard oil, and the metal parts are of polished brass. The instrument is rigidly constructed and the adjustments are actuated with the utmost precision.

Focal capacity, 7x17, 16½ inches. Dimensions when closed, 19¼x5¼x14. Weight, 8 pounds. Size of Lens Board, 5x5.

Focal capacity, 12x20, 22 inches. Dimensions when closed, 24x6x19. Weight, 14 pounds. Size of Lens Board, 6½x6½.

F. & S. Banquet Camera, including Carrying Case and one Double Plate Holder, or cut Film Holder.....	Our Prices	7x17 \$30.75	12x20 \$ 96.50
Extra Double Plate Holders, each.....	Our Prices	8.25	12.35
Extra Double Cut Film Holders, each.....	Our Prices	8.25	12.35
Extra Lens Board, each.....	Our Prices	1.00	1.20
For Turner-Reich ser. II f:7.5; No. 6 Lens, 15 inch focus in Betox Shutter, extra		150.30	150.30



Korona Panoramic View Cameras

5x12, 7x17 and 8x20.

The panoramic shaped picture is always pleasing and it is adapted to a great deal of work done by the commercial photographer, being especially suited for groups, views of industrial plants, interiors and other subjects which require a wide angle of view without including too much sky and foreground.

SPECIFICATIONS

	5x12	7x17	8x20
Lens board	3½x5¼	5¼x5¼	6x6
Bellows length	28¼ inches	28¼ inches	32¼ inches
Camera folded	5¼x16x10¼	5¼x21¼x13¼	6x24¼x14¼
Weight of Camera	8 lbs.	10 lbs.	13¼ lbs.

Including one Double Holder and Case.

THE LENS EQUIPMENT

Any lens may be used which will cover the plate, but the best lens is the Series II Turner-Reich Convertible Anastigmat F: 6.8. By using a small size so the doublet will just cover the plate with a little to spare the single combinations may be used separately, but the front combination alone must be left in the front of the shutter instead of in the rear as is advisable if possible.

For the 5x12 Camera we suggest a 6 1/2 x 8 1/2 Series II Turner-Reich F: 6.8, with focal lengths of 10 1/4 inches, 18 inches and 24 inches. For the 7x17 Camera an 8x10 Series II Turner-Reich Anastigmat F: 6.8, with focal lengths of 12 inches, 21 inches and 28 inches, and for the 8x20 size a special lens we make for the No. 16 Circuit Camera, a Series II Turner-Reich F:7.5, with focal lengths of 15 inches, 24 inches and 36 inches.

With each camera we include a strong canvas case, lined with canton flannel, with metal clasps and the most comfortable handle made. The 5x12 case takes the camera and six holders with extra bed section and bed brace.

The larger size cases take the camera and three holders rear bed section and bed brace.

Cameras have sliding panels for making two exposures on one plate. A bed brace is included, also one holder with each camera.

	Price 5x12	Price 5x17	Price 8x20
Korona Panoramic View Camera	\$ 42.50	\$ 51.00	\$ 59.50
Ditto, with Turner-Reich Convertible Lenses F:6.8, Series II Betax Shutter	129.35	151.80	209.80
Extra Korona Plate Holders	3.80	4.75	5.70
Extra Korona Cut Film Holders	4.75	6.65	7.60

Korona Home Portrait Outfits



Home Portraiture is now a specialized branch of the photographic art. There is a charm about pictures taken amid home surroundings, and a very interesting field in such work for both amateur and professional photographers. Altogether photography in the home offers a splendid opportunity for making unconventional pictures either from a pictorial or commercial aspect. The apparatus required is somewhat special as the ordinary outdoor camera and tripod are not very convenient for the purpose. These outfits will be found ideal not only for home photography but also for small professional studios and post card galleries while the same outfit will answer admirably for outdoor view and commercial work, making the expense of two outfits unnecessary.

The camera is our Korona Home Portrait, the most complete and beautiful camera of its kind. It is made entirely of selected cherry, finished in walnut, and all the metal parts are made of brass, nickel plated. It has a rising and falling front operated by rack and pinion, and a lateral front adjustment, double swing back with the vertical swing operated by rack and pinion. The back is reversible and contains two sliding panels for making two or four exposures on a plate. The ground glass frame is controlled by our center pivoted spring actuated device, an exclusive feature, making it extremely easy to insert and remove the plate holders.

With the camera is included a short canvas case, lined with canton flannel, which takes the camera and six holders in 5x7 size and three holders in 6 1/2 x 8 1/2 and 8x10 size.

Size	Bellows Length	Lens Board	Weight
5x7	13 1/2 inches	6x6	5 lbs.
6 1/2 x 8 1/2	16 1/2 inches	7x7	6 lbs.
8x10	18 1/2 inches	9x9	8 lbs.

Including Camera, Lens and Shutter, One Holder and Canvas Case

	5x7	6 1/2 x 8 1/2	8x10
Home Portrait Outfit, Convertible Rapid Rectilinear Lens, F:8, Betax Shutter	\$40.40	\$ 50.50	\$ 57.60
Home Portrait Outfit, Rapid Rectigraphic Lens F:8, Betax Shutter	60.60	72.90	84.30
Home Portrait Outfit, Series II Turner-Reich Anastigmat F:6.8, Optimo Shutter	95.75	130.25	151.70
Home Portrait Outfit, Verito F:4, Studb Shutter	75.95	93.50	116.45
Home Portrait Outfit with Velostigmat Series II, F:4.5, Anastigmat Lens, Betax Shutter	79.10	129.50	165.50
Korona Folding Studio Stand only	12.60	13.50	13.50
Korona Plate Holders	1.35	1.68	1.80
Leather bellows, extra	4.50	5.25	6.75
Camera Only, with Case and Holder	28.80	31.50	32.85
Optimo Shutter in place of Betax	4.50	5.00	6.00

Folmer & Schwing Home Portrait Outfit No. 2



Home Portraiture is one of the most profitable and satisfactory branches of modern photography. The better class of patrons frequently prefer the intimate surroundings of the home to the more formal studio, as a place to have the family portraits made, and it is more profitable for the photographer. He is usually able to secure larger orders for portraits, and at a higher price.

Suitable Apparatus for doing this work is very essential. The Folmer & Schwing No. 2 Home Portrait Outfit is most thoroughly efficient in quality.

The Camera supplied is richly finished in dark mahogany, harmonizing perfectly with the nickel finish of the metal parts. The camera is provided with front and back rack and pinion focusing attachments, as well as vertical and horizontal swings. The raising and lowering front is not attached to the bellows, and affords a movement of three inches, more than ample

for the most exacting work. A spring actuated folding lens hood effectually shades the lens when working towards the light. The front board measures 7x7 inches, which will admit the use of large lenses. The sliding ground glass carriage is constructed to permit the making of two 5x8 exposures on an 8x10 film or plate. The lens being in center for each exposure, also for full 8x10 plate, vertical and horizontal.

The Home Portrait Stand is unique in appearance, very compact and rigid. It occupies but a small space when folded. The top is a finely finished aluminum casting, which can be quickly removed from stand. It can be tilted in either angle, and locked tight by simply turning a milled head screw. The center upright of stand is made of heavy gauge brass tube, finely nicked, into which telescopes another tube, to which the top is attached. The whole stand can be lowered to within 30 inches of the floor, or raised to 4 1/2 feet. The legs are made of mahogany finish, to harmonize with the woodwork of the camera. The legs are fitted with noiseless casters.

The Home Portrait Reflector can be elevated to 7 feet; is made of white cloth, 6 feet 4 inches by 44 inches wide, suspended at each end from a jointed metal rod, and supported by a light metal stand that folds compactly when not in use.

The Auto Studio Shutter works back of the lens, and is operated by a cable release. The shutter is noiseless in action.

The Sterling Plate Holders for Eastman Portrait Film or Plates are furnished with this outfit.

The Cases. Two solid sole leather carrying cases contains the complete outfit. The Lens. We recommend the Bausch & Lomb Zeiss Tessar Lens, Series 1C F:4.5, No. 18; focus 11 1/2 inches. This lens is suitable for the finest portraits, groups and figure work. It is highly corrected for covering power, and has remarkable speed.

The photographer possessing one of these outfits will find an unlimited field in which to extend his business.

SPECIFICATIONS

- CAMERA— Dimensions closed, 15x12 1/2 x 5. Focal capacity, 22 inches. Size of Lens Board in No. 0 Studio Shutter, 5 1/2 x 5 1/2 inches. Size of Lens Board, 7x7 inches. Weight, 10 lbs.
- STAND— Length when folded, 27 inches. Weight, 10 1/2 lbs.
- REFLECTOR— Length when folded, 27 1/2 inches. Weight, 5 lbs.
- CASES— Dimensions, 28x7x14 1/2.

THE PRICE

1 8x10 F. & S. Home Portrait Camera No. 2 with one 8x10 Sterling double Portrait Film Holder, and velvet-lined sole leather case with lock and key	\$80.00
1 8x10 Sliding Ground Glass Carriage	14.25
1 F. & S. Home Portrait Stand No. 2	46.50
1 No. 2 Back Ground, 7x8 feet	11.85
1 F. & S. Reflector	11.40
1 Focusing Cloth	1.45
5 Extra 8x10 Sterling Film or Plate Holders, each, \$3.25	16.25
1 No. 0 Auto Studio Shutter	8.00
1 B. & L. Zeiss Tessar Lens, Series, 1c, F:4.5, No. 18	160.00
1 Velvet-lined Sole Leather Carrying Case with lock and key for Stand, Reflector and Back Ground	20.60

Carl Zeiss—Jena—Photographic Lenses

Table with columns: Series, No., Focal Length (cm, in.), For Cameras, In Standard Mount N, In Sunk Mount B, In Focusing Mount A, In Ilex Acme or Optimo Shutters. Includes sub-sections for Instantaneous Photographs, Portraiture, Color Photography, Hand Cameras, Landscapes, Interiors and Architecture, V F/18, VII Protar Lens F/12.5.

Carl Zeiss Jena Lenses

Table with columns: Series, No., Focal Length (Cm, In.), For Cameras, In Standard Mount N, In Sunk Mount B, In Focusing Mount A, In Comp. Shutter. Includes sub-sections for VIIa Double Protar F/6.3 to F/7.7, Set of Protars B, C, D.

x The case is subject to a separate charge.

Table with columns: IX Double Amatar F/6.8, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42.50, 45.00, 50.00, 55.00, 60.00, 65.00, 70.00, 75.00, 80.00, 85.00, 90.00, 95.00, 100.00, 110.00, 120.00, 125.00, 130.00, 140.00, 150.00, 160.00, 170.00, 180.00, 190.00, 200.00, 210.00, 220.00, 230.00, 240.00, 250.00, 260.00, 270.00, 280.00, 290.00, 300.00.

Pairs of Lenses Mounted in Stereo-Comp. Shutters

Table with columns: Series, Focal Length (Cm, In.), Price. Lists pairs like Ic F/4.5 Protar F/9, Iib F/6.3 Double Protar VII 1.1, Double Amatar F/6.8 VII 3.3.

Special Lenses

Table with columns: Series, No., Focal Length (Cm, In.), In Standard Mount N, In Sunk Mount B, In Focusing Mount A. Lists Ic F/3.5 variants.

Bausch & Lomb New Plastigmat Portrait Lens

For Impressionistic Work

Quite a definite school of photography has been developed in recent years by the use of so-called "diffused" or "soft focus" lenses. While the results attained have gained more, or less popularity, most of the lenses heretofore available for this work have been disappointing to photographers because of their optical imperfections.

Photographs made with them at full aperture have all too often proved unsalable because of the lack of detail in the high lights, clogging of the shadows and the extremely fuzzy indistinctness of the finished picture. To obtain satisfactory detail and sharpness the photographer has been compelled, in most cases, to stop down the lens to F:16, thus greatly prolonging the exposure at the cost of a loss of expression and possible movement of the subject.

To eliminate these defects, and at the same time give the artistic results desired, has been the problem with which our technical staff has contended for some time past. The result of their research in the new **Plastigmat Portrait Lens (F:5.6)** presented herein for the first time. How well it achieves its purpose is indicated by the specimens of work reproduced in those pages and the enthusiastic testimony of the prominent photographers who gave it a thorough trial in their studios before we were satisfied to place it on the market.

With the Plastigmat it is possible to obtain the desired results with the full opening of the lens. In computing it we have introduced a slight confusion of the image-forming rays over the entire field, thus avoiding the needle sharpness of the anastigmat and producing chemically soft negatives which eliminate 90% of the retouching. At the same time it avoids also the disagreeable diffusion disliked by the average patron; the high lights do not clog and there are no chalky whites. Detail is preserved in the deepest shadows to a remarkable degree, with almost a total absence of the so-called double lines, except in very contrasty lighting of the subject. And last, but by no means least, the photographer gets in the negative exactly what he sees on the ground glass, without any guess-work in focusing.

To summarize, the **Plastigmat Portrait Lens** removes the several obstacles which have prejudiced many photographers against undertaking this impressionistic class of work and paves the way for truly artistic effects.

PLASTIGMAT PORTRAIT, F:5.6

Code Word	No.	Size of Plate Covered, Inches	Equivalent Focus, Inches	Diameter of Lens, Inches	Lens and Barrel with Iris Diaphragm
	0	4 X 5	9		\$55.00
Hight	1	5 X 7	12	2 1/8	70.00
Higre	2	6 1/2 X 8 1/2	15	2 3/4	90.00
Hilal	3	8 X 10	18	3 1/8	115.00

Each lens in barrel is furnished in a case, which protects it from injury. Lens hood, cap and flange are included.

Eastman Adjustable Lens Hood

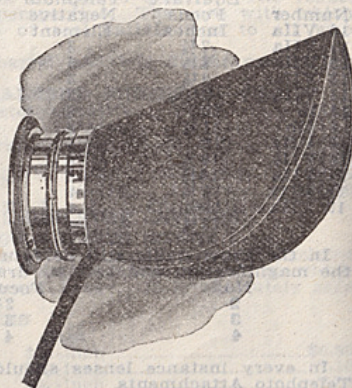
This article replaces the clumsy and many times unsightly makeshifts with which the photographer has put up with in the past. One great advantage of this hood is the fact that if bumped into by the photographer by accident, it does not pull over the camera with it. The lens hood merely drops off, and can be readjusted instantly.

In Rembrandt lightings, the hood may be adjusted so as to guard against side lights.

It is made in 3 sizes, one for lens hood 2 to 4 inches, the other 3 1/2 to 6 inches. The material is black morocco, with nickel plated spring band, and the inside is lined with fine non-reflecting black velvet.

PRICE

- No. 0, for lenses 2 1/2 to 3 1/2 in. diameter.....\$2.85
- No. 1, for lenses 3 1/2 to 4 1/2 in. diameter..... 3.35
- No. 2, for lenses 4 1/2 to 6 in. diameter..... 4.00



Goerz Dagor F:6.8-F:7.7

No lens of any make is better and more favorably known than the famous Goerz Dagor. In every country, under every imaginable condition used by amateurs and professionals alike, this lens has absolutely made good. It is a symmetrical anastigmat made up of two cemented combinations. At full aperture it covers very sharply the plate for which it is listed; when stopped down it covers a much larger plate and cuts an angle of 90 degrees. This makes the Dagor a most perfect wide angle lens for buildings, interiors, etc. The single combinations may be used with medium stops for securing large images of distant objects. The Dagor with Compound, Acme or any standard shutter may be fitted to any camera with adjustable bellows extension. The Goerz Dagor is the dependable lens for the amateur, commercial photographer, lecturer, traveler and scientist.

PRICES OF DAGOR LENSES

Equivalent Num-ber	Focus Inches	Relative Opening	Size of Plate Sharply Covered at Full		F:64 a	In Barrel Iris Diaphragm	With Acme or Compound Shutter
			Opening Inches	F:32 Inches			
000a	3	F:6.8	2 1/4 x 2 3/4	3 1/4 x 4 1/4	At F:64 a	\$36.00	\$51.00
00	3 1/2	F:6.8	3x3	4x5	Dagor lens	39.00	54.00
00a	4	F:6.8	3x3	4 1/2 x 5 1/2	will cover a plate with a diagonal of about twice the focal length of the lens.	42.00	57.00
0a	5	F:6.8	3 1/4 x 4 1/4	5x8		42.00	60.00
1	6	F:6.8	4x5	6 1/2 x 8 1/2		45.00	60.00
1a	6 1/2	F:6.8	3 1/4 x 5 1/2	6 1/2 x 8 1/2		51.00	69.00
2	7	F:6.8	5x7	8x10		54.00	72.00
3	8 1/4	F:6.8	5x8	10x12		63.00	81.00
4	9 1/4	F:6.8	6 1/2 x 8 1/2	11x14		75.00	96.00
5	10 1/4	F:6.8	7x9	12x16		87.00	108.00
6	12	F:6.8	8x10	16x18		105.00	129.00
8	19	F:7.7	12x15	22x25		123.00	150.00
7	14	F:7.7	10x12	18x22		159.00	192.00
7a	16 1/2	F:7.7	11x14	20x24		207.00	240.00

GOERZ DOGMAR F:4.5 ANASTIGMAT LENSES

Number	Equivalent Focus Inches	Size of Plate Sharply Covered at Full Opening		In Barrel with Iris Diaphragm	With Acme or Compound Shutters
		F:16 Inches	F:11.25 Inches		
000a	3	1 1/4 x 2 3/4	2 1/4 x 3 1/2	\$36.00	\$51.00
00	4	2 1/2 x 3 1/2	2 3/4 x 3 3/4	42.00	57.00
0	5	3 1/4 x 4 1/4	3 1/2 x 4 1/2	45.00	63.00
1	6	3 3/4 x 4 3/4	4x5	54.00	75.00
1a	6 1/2	4x5	4x6	60.00	81.00
2	7	4x6	4 1/2 x 6 1/2	69.00	90.00
2a	7 1/2	4 1/2 x 6 1/2	5x7	75.00	99.00
3	8 1/4	5x7	5x8	90.00	117.00
4	9 1/4	5x8	6 1/2 x 8 1/2	129.00	162.00
5	10 1/4	6 1/2 x 8 1/2	7x9	153.00	186.00

DOGMAR F:5.5

6	12	7x9	8x10	180.00	For Portraits and Small Groups
7	14	8x10	10x12	195.00	
7a	16 1/2	10x12	11x14	228.00	
8	19	11x14	12x16	270.00	

EASTMAN KODAK ANASTIGMAT—f.4.5

No.	Size of Plate Covered with Stop f.4.5, Inches	Equivalent Lens in Barrel Focus, Inches	with Iris Diaphragm
No. 30	2 1/4 x 3 1/4	4 1/2	\$33.00
No. 31	3 1/4 x 4 1/4	5 1/2	37.50
No. 32	4 x 5	6 1/2	43.50
No. 33	4 1/4 x 5 1/2	7 1/2	53.50
No. 34	5 x 7	8 1/2	66.50

BAUSCH & LOMB KODAK ANASTIGMAT LENS—SERIES f.6.3

No.	Size of Plate Covered with Full Aperture	Equivalent Focus, Inches	Price
No. 0	1 1/4 x 2 1/2	3	\$22.00
No. 1	2 1/2 x 3 1/4	4 1/2	25.00
No. 2	3 1/4 x 4 1/4	5	27.00
No. 3	4 x 5	6 1/4	28.00
No. 4	3 1/4 x 5 1/2	6 3/4	34.50
No. 5	5 x 7	8 1/4	48.00
No. 6	6 1/2 x 8 1/2	10	65.00

Turner-Reich Convertible Anastigmat F:6.8

SERIES II

Turner-Reich Lenses in comparison with Anastigmat Lenses in general combine the good qualities of all and the disadvantages of none. The field of correction extends uniformly from the center to the edge of the light circle and the optical glass at our command in conjunction with the care with which each lens is corrected individually, permits us to bring all Turner-Reich Lenses up to a uniform standard of perfection.

Each Turner-Reich Anastigmat is a wide angle lens of the highest grade if it is used to cover a plate large enough to take advantage of its remarkable covering capacity. For interiors and flashlights, fine definition with a large aperture makes the Turner-Reich Anastigmat as valuable as when the same qualities recommend it for instantaneous exposures and outside work. Turner-Reich Lenses are sold subject to ten days' trial so the burden of proof rests upon the actual results produced by each lens and not upon any statement of ours.

No.	Diameter of Lens, in.	Equivalent Focus, in.	Focus of Back Lens, in.	Focus of Front Lenses, in.	For Plates	In Auto Barrel Our Price	In Betax Shutter Our Price	In Ilex Universal or Optimo Our Price	In Ilex Acme Shutter Our Price
0	0	0	0	0	0				
1	1 1/8	6 1/4	11	14	4 x 5	\$ 42.75	\$ 43.20	\$ 49.05	\$ 55.20
2	1 1/8	7 1/4	12	18	5 x 7	46.80	48.15	53.55	57.15
3	1 1/4	8 1/4	14	20	5 x 8	56.25	58.95	62.55	66.15
4	1 3/8	10 1/4	18	24	6 1/2 x 8 1/2	61.65	64.35	69.75	73.80
5	1 3/8	12	21	28	8 x 10	86.85	88.85	92.75	96.30
6	2	15	24	36	11 x 14	98.10	100.80	105.30	118.80
						150.30	150.30	154.80	172.80

The single combinations give a working aperture of F:12.5 and F:16 respectively for the rear and front combinations. Barrel mounts have an iris diaphragm.
*Working aperture F:7.5.

Turner-Reich Convertible Anastigmat F:6.8 in Sets.

By the addition of extra single combinations of different foci from those forming the original lens which is the basis for the set, one extra combination (only half a lens) will form a doublet with either the front or back combination and really adds in this way three new lenses to the photographer's equipment and with three single combinations three doublets are obtained and six different focal lengths.

The addition of two extra single combinations to a complete lens making four in all, provides six doublets or complete lenses, making ten lenses of different foci for the photographer to work with, providing a lens of just the right focus to suit any subject or viewpoint, all fitting one mount or shutter interchangeably, at an average cost each of about the price of a good rapid rectilinear and a total cost about equal to the price of some 8x10 symmetrical anastigmats. This is where the economy comes in and the convenience should be considered as well.

The Convertible Turner-Reich is a double Anastigmat in the sense that each of the single combinations is perfectly corrected independently of its relation to the other. They are practically rectilinear and give almost a flat field. The working aperture F:12.5 for the rear combinations and F:16 for the front combinations is large enough for short exposures, even instantaneous exposures under suitable conditions.

PRICES

Single Combinations	Set for 6 1/2 x 8 1/2 or 8 x 10 Cameras.		Working Aperture	Suitable Shutters	Price
	Focal Lengths in Combination	Working Aperture			
14 in. No. 3	14 in. + 18 in. = 8 in.	F:6.4	No. 4 General	\$16.20	
18 in. No. 4	14 in. + 24 in. = 9 1/2 in.	F:7.6	No. 4 Betax	13.50	
24 in. No. 4	14 in. + 28 in. = 10 1/2 in.	F:8.4	No. 4 Optimo	20.25	
28 in. No. 5	18 in. + 24 in. = 10 1/2 in.	F:6.8			
	18 in. + 28 in. = 11 1/2 in.	F:7.5	No. 4 Ilex Universal	13.00	
	24 in. + 28 in. = 13 in.	F:8.3	No. 4 Ilex Acme	22.50	

Price of set without Mount, \$175.75; Barrel Mount with Iris Diaphragm, \$11.00; Average cost of ten lenses \$17.57 each; Average cost of five doublets, \$35.14 each.

Turner-Reich Symmetrical Anastigmat f:6.8 SER. III.

The Series II and Series III Turner-Reich Anastigmats are identical in optical qualities and the single combinations of the latter may be used separately like those of the convertible lenses but they are equal instead of dissimilar in focal length. The singles of the symmetrical series are about twice the focal length of the doublet. Accurate mounting and fitting of lenses cannot be guaranteed unless we are allowed to do the work, and if customer supplies the shutter it should be sent to us and we will furnish proper diaphragm and focusing scales for the lens.

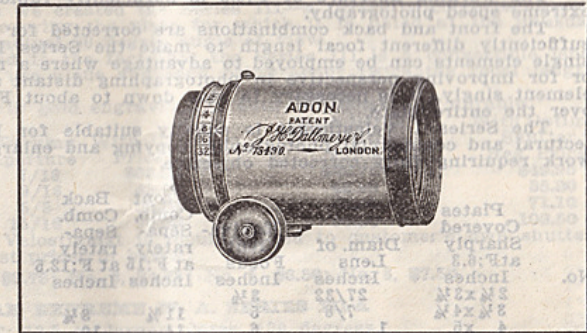
No.	Focal Length	Diameter	For Plates	In. Barrel	General Shutter	Universal Shutter
6	14 in.	2 in.	10x12	\$119.70	\$126.90	\$128.70
7	17 in.	2 1/2 in.	11x14	156.60		
8	21 in.	3 in.	14x17	240.30		

The Regular Adon Telephoto Lens

(For Hand Cameras)

The regular Adon is a complete telephoto lens made especially for use on short bellows hand cameras. At the same extension as the ordinary lens, the Adon gives a picture three times the size, and that at apertures allowing for snap shots under favorable light conditions.

Its optical construction is so perfect that sharply defined pictures can be obtained at full aperture, with medium extensions. It is provided with a flange for attaching to a separate lens board or can be supplied when so desired, ready to fit all modern 4x5 shutters. The mounting is of aluminum and is very handsome, and compact.



Regular Adon Telephoto Lens.....		\$41.00
Aluminum Light Hood.....	\$1.15	
Extra Cap for Lens Hood.....	.60	
Telephoto Calculator.....	1.25	
Burchett Color Screen.....	6.00	

Dallmeyer "Dallon" Telephoto Lens

ANASTIGMAT SERIES VI, F/5.6, SERIES XVI F/7.7 AND SERIES XVII F/6.8

The "Dallon" is a true anastigmat telephoto, the definition from center to edge at the full aperture is excellent and negatives made with these lenses will stand a high degree of enlargement.

The "Dallon" produces images twice the size obtained with lenses requiring equal bellows extension used at same distance from the object.

Series VI can be fitted to the following Graflex Cameras:—Nos. IB and IC for the 1A Graflex, No. 3 for the 3A, No. 1 for 3 1/4 x 4 1/4 Auto, No. 2 for 4x5 Auto, Nos. 3 and 4 for 5x7 Auto, No. 1B for Auto Jr., No. 2 3 1/4 x 4 1/4 R.B. Auto, No. 4 for 4x5 R.B. Auto, No. 1B for 2 1/4 x 3 1/4 R.B. Jr., Nos. 1 and 2 for 3 1/4 x 4 1/4 R.B. Telescopic Graflex, No. 3 for 4x5 R.B. Telescopic, No. 4 for Naturalist, 5x7 Compact and Press.

It is therefore an ideal lens for travel, sport, games, etc., where it is desirable to record detailed action.

The Series VI has an aperture F/5.6, and is thus particularly suitable for rapid work with Reflecting Cameras, but can, of course, be fitted to most other cameras; for instance, it can be used with great advantage on a studio camera for portrait work. The equivalent focal length is approximately twice the camera extension; it is thus possible to obtain, on an ordinary camera, a much improved perspective as compared with that produced by an ordinary lens, since the picture may be taken at twice the distance away.

The Series XVI Dallons can be fitted to the following Graflex Cameras:—No. 2 for 4x5 Auto, No. 4 for 4x5 R.B. Auto, No. 2 for 3 1/4 x 4 1/4 R.B. Telescopic, No. 4 for Naturalist, 5x7 Compact and Press.

The Series XVII No. 2 can be fitted to the 3 1/4 x 4 1/4 R.B. Telescopic Graflex.

The Series XVII has an aperture F/7.7, and is smaller both in diameter and length than the Series VI; its compactness and lightness make it suitable for use on ordinary hand cameras, particularly as it can, if necessary, be fitted to most of the usual between lens shutters on the market. The aperture is sufficient for instantaneous work in many cases, and its price should put a first class telephoto lens within the reach of all.

DALLON TELEPHOTO SERIES VI—F/5.6

No.	Plate Size Inches	Equiv. Focus Inches	Price	
			Back Cell to Screen	Barrel Mount Focus
1B	2 1/2 x 3 1/2	9	4 1/2 Inches	\$ 80.00 \$102.00
1C	2 1/2 x 3 1/2	10	5 Inches	88.00 112.00
1D	3 1/4 x 4 1/4	11	5 1/2 Inches	95.00 121.00
2	4 x 5	12	6 Inches	102.00 128.00
3	3 1/2 x 5 1/2	14	7 Inches	124.00 150.00
4	4 x 6 1/2	17	8 1/2 Inches	167.00 192.00

DALLON TELEPHOTO SERIES XVI—F/7.7

4	4 x 5	12	6 Inches	\$ 66.00 \$ 80.00
4	4 x 6 1/2	17	8 1/2 Inches	117.00 139.00

DALLON TELEPHOTO SERIES XVI—F/6.8

2	3 1/4 x 4 1/4	15	6 Inches	\$110.00 \$132.00
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Wollensak Series V Anastigmat F:7.5

The amateur who has been using a hand camera with an ordinary R. R. lens will welcome the Series V, as it presents the possibility of securing anastigmatic sharpness in his pictures and yet is offered at a price that is within the reach of all.

The Series V can be furnished in our shutters of quality, or in mounts to fit the shutters on the popular hand cameras of the better grade, such as Ansco, Seneca, Kodak, Ensign, etc.

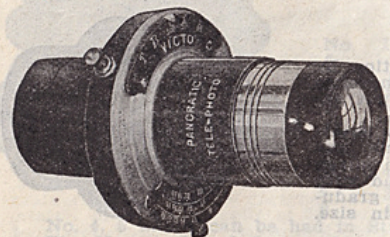
It is advisable to send the camera in to us to insure accurate adjustment of the focal scale to the lens.

No.	Size	Focus	Diameter of Lens	In Cells	In Barrel	With Betax Shutter	With Optimo Shutter
•0	2 1/4 x 3 1/4	3 1/2 in.	1 15/32 in.	\$7.20	\$ 8.10	\$14.40	\$19.80
•0	1 1/2 x 2 1/2	3 1/2 in.	1 15/32 in.	7.20	8.10	14.40	19.80
•1	3 1/2 x 4 1/4	5 in.	2 1/32 in.	8.10	9.00	15.30	21.60
•1	2 1/2 x 4 1/4	5 in.	2 1/32 in.	8.10	9.00	15.30	21.60
•2	4x5	5 1/2 in.	2 29/32 in.	8.55	9.45	15.75	22.05
•2	2 7/8 x 4 7/8	5 1/2 in.	2 29/32 in.	8.55	9.45	15.75	22.05
•2A	3 1/4 x 5 1/2	6 1/2 in.	2 7/8 in.	9.00	9.90	17.10	24.30
•4	5x8	8 1/2 in.	1 5/8 in.	22.50	23.80	36.00	36.00
•4	6 1/2 x 8 1/2	10 1/2 in.	1 9/16 in.	36.00	43.20	50.40	50.40
•5	8x10	13 in.	1 11/16 in.	47.25	56.25	63.00	63.00

*These sizes can be adapted to practically all types of hand cameras and where desired can be fitted to the Victor Shutter at the cost of the lens in barrel. Please specify camera to which lens is to be fitted unless it is sent to us for fitting.

Lenses in cells to fit customer's own shutter at prices of lens in barrel.

Panocratic Telephoto Lens



The Panocratic Telephoto Lens has simplified telephotography, broadened the interest in this fascinating branch of the art, and made it possible for any one having a plate camera with sufficient bellows extension to take distant or inaccessible subjects without having a clumsy telephoto attachment made to order. The Panocratic is sold by dealers all ready for use in any shutter having openings for the lens cells 1 1/2 in. diameter, and most 4x5 and 5x7 cameras have shutters of this size. Larger shutters must be sent to us for fitting for which we charge \$1.50.

The Panocratic is a complete lens and is not used as an attachment to another lens. It is formed with a front positive combination in an adjustable mount graduated with the magnifying powers, and a negative rear combination between which is placed the shutter.

The Panocratic gives fine definition and the results will compare favorably in every way with the performance of a telephoto attachment fitted to an anastigmat lens; in fact, the Panocratic is, superior in covering power and much more convenient while very much smaller and lighter. This lens has given perfect satisfaction to many hundreds of customers. The positive combination has a focal length of about 6 inches and working aperture of F: 12. The focal length of the negative lens is about 3 inches and a range of magnifying power between 3 diameters and 8 diameters is obtainable, equivalent to using lenses of 18 in. to 48 in. focus. Plates from 3 1/4 x 4 1/4 to 8x10 may be covered.

Magnification	3	4	5	6	7	8
Light circle	5 1/2"	7 1/2"	9 1/2"	11 1/2"	13 1/2"	15 1/2"
Bellow length required	3"	11"	14"	17"	20"	23"

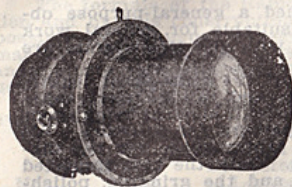
Weight of Lens and Case, 6 oz.

PRICES

No. 1. Panocratic Telephoto Lens with Leather Case.....\$15.00
 No. 1 General Shutter.....9.00

A Shutter of some kind is much preferable to a Barrel Mount for a Lens of this kind. Ask for Booklet, sent free of charge, Telephotography with a Panocratic Telephoto Lens.

Vitax Portrait F:3.8



It is true that Anastigmat portrait lenses, such as our Series II Velostigmat, with diffusion attachment, have come into great favor; yet it cannot be denied that in a modern studio lens, one built on a modification of the Petzval formula, as the Vitax, will produce superior results for some classes of work. For this reason the Vitax will be found in a vast number of leading studios, including many where there is also a Series II Velostigmat.

The Vitax has a curved or saucer-shaped field, a point in its favor for portraiture, against the flat field of the Anastigmat. Therefore, the Vitax produces an image with beautiful "roundness" or "stereoscopic" effect and by diffusing, free from wiry definition, yet not fuzzy.

The diffusion is controlled by a knob, accessible without removing lens from front board, as is necessary with some types. There are two ways of using it, either of which will give pleasing results. First, turn diffusion adjustment to any desired number, and then focus on subject—stopping down just enough to get the desired depth of focus; or, focus with the lens wide open and as sharp as possible, and then turn diffusion until the entire field is equally soft or diffused.

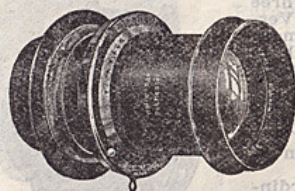
With the first method (which is generally used), the diffusion will be very slight and the use of a small aperture will have a tendency to eliminate it, while in using the second method, a marked degree of diffusion is obtainable. In group work the attachment set at about "3" serves to equalize the focus and overcome to a degree the curved field of the lens.

The scope of the Vitax is large heads, busts, three-quarter and full lengths; also small groups. Larger groups should be formed in a semi-circle, to allow for the curved field of the lens. For child photography the Vitax stands supreme.

We do not list sizes with the Vitax, as the different numbers are used on different plates, from 5x7 to 11x14, according to the class of work, and selection depends upon this and the size of the studio generally must govern focal length.

No.	Equivalent Focus	Inside Diameter of Flange	Diameter of Lens	Price in Barrel with Iris Diaphragm	Price with Studio Shutter
3	10 in.	3 in.	3 3/8 in.	\$ 94.50	\$108.00
4	13 1/2 in.	3 1/2 in.	4 1/2 in.	121.50	135.90
5	16 in.	4 1/4 in.	4-23/32	166.50	180.90

Vesta Portrait F:5



Built on a modification of the Petzval formula, the Vesta, like the Vitax, produces "rounded" or "stereoscopic" effects so much desired in portraiture.

It is unlike the Vitax, principally because of its slower speed, and lack of a diffusion or equalizing attachment.

To those photographers who are in need of a most satisfactory studio lens but who cannot invest the price of the Series II Velostigmat, we very highly recommend the Vesta.

The Vesta will be found entirely practical for busts, large heads and three-quarter lengths, and by slightly stopping down, it will take care of standing figures and groups where speed in exposure is not essential.

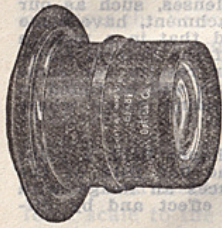
The front lens is corrected for use alone, hence the owner of a Vesta has two lenses in one. The focal length of the single element is considerably greater than the doublet (see table below) and serves admirably in photographing large heads or other subjects requiring a long focus lens to obtain proper perspective. In using the front lens, place it behind the diaphragm by first removing the rear element.

The Vesta is beautifully finished in black, with white engraving.

No.	Size	Equivalent Focus	Focus Front Combination	Outside Diameter of Flange	Diameter of Lens	Price Barrel with Iris Dia. Reg. Price
1	3 1/4 x 4 1/4	6 in.	9 in.	3 1/4 in.	1 1/2 in.	\$18.00
2	4 x 5	7 in.	11 in.	3 3/4 in.	1 3/4 in.	24.75
3	5 x 7	10 in.	14 in.	4 in.	2 1/4 in.	30.60
4	6 1/2 x 8 1/2	11 1/2 in.	17 in.	4 1/2 in.	2 1/2 in.	42.40
5	8 x 10	14 in.	21 in.	5 1/4 in.	3 in.	58.50

List prices if equipped with Wollensak between the lens Studio Shutter:
 Price.....No. 3, \$42.40; No. 4, \$54.00; No. 5, \$71.10

Versar Enlarging Portrait and View F:6



The Versar is what might be termed a general-purpose objective, moderate in price, and entirely suitable for general work where the fine corrections, etc., obtained with the Velostigmat are not essential.

The two elements of the Versar are of the same focal length, being about double the equivalent focus, and can be used separately by stopping down, the speed of the single element being about one-fourth that of the doublet, taking aperture for aperture. We recommend using the rear lens, as the proper place for the diaphragm in such cases is before the lens. Only the best imported optical glass is used in its construction, and the grinding, polishing, etc. have the same care as is given the Velostigmats.

The high speed of the Versar makes it desirable for ordinary studio work, including busts, full lengths and groups, and because of its small size, and high speed, is a practical objective for home portraiture, and work of similar character. General view, commercial and architectural work can be done with the Versar when slightly stopped down, and its construction is such that it is very desirable for enlarging and copying.

Its merits as a portrait enlarging lens are deserving of special emphasis as it possesses the faculty of practically eliminating the traces of retouching in the original.

The Versar is furnished in highly finished black barrels with iris diaphragm and cap, or fitted to the various shutters of our manufacture as listed below.

Attention is directed to the fact that the Versar will not give fine definition to the extreme corners of the size plate for which it is listed unless stopped down to an aperture of about F:11.

No.	Size	Equivalent Focus	Diameter	Mounted in Barrel	With Studio Shutter	With Betax Shutter
2	4 x 5	6 1/2 in.	1 1/4 in.	\$ 20.70	\$29.70	
3	5 x 7	8 3/4 in.	1 1/2 in.	24.75	33.75	
4	6 1/2 x 8 1/2	9 1/4 in.	1 3/4 in.	32.40	43.20	
5	8 x 10	11 1/8 in.	2 in.	42.30	52.20	55.90
6	10 x 12	15 in.	2 1/2 in.	54.00	64.80	64.80
7	11 x 14	16 1/2 in.	2 3/4 in.	63.85	80.55	
8	14 x 17	18 in.	3 in.	90.00	103.50	
9	17 x 20	22 1/2 in.	3 3/4 in.	115.20	129.60	

NOTE—No. 5 is the largest size that can be mounted in Regno shutter. No. 3 and the larger sizes can be mounted in our Studio shutter.

Volta F:8

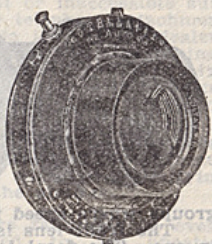
The Volta F:8 represents an improvement on the older Three Focus Symmetrical type, and while it lacks the speed of the Versar, it is more compact, and is recommended for hand camera work, copying and enlarging and general view work, as well as portraiture and groups, where the lighting is ideal and the finer optical corrections and great speed are not essential.

Each element is corrected for use alone and is of different focal length, giving the owner three lenses in one. The long focal length of the front lens makes possible telephoto work, and the photographing of other subjects requiring a large magnification of the image.

It is hoped that the Volta will not be confused with the ordinary R. R. or R. S. type of lenses, as it has been our endeavor to make the Volta excel in its class and we urge those interested in this type to secure one for trial.

Attention is directed to the fact that this lens will not cover the size plate for which it is listed to the extreme corners with fine definition, unless stopped down to an aperture of F:11; also that the single elements must be used at a small aperture to give satisfactory definition.

The finish is the same as the higher priced lenses, being black enamel but with white engraving.



No.	Size	Equivalent Focus	Diameter Mounted in	Barrel or Betax Shutter
1	3 1/4 x 4 1/4	5 in.	3/4 in.	\$10.80
2	4 x 5	6 1/2 in.	1 in.	12.60
3	5 x 7	8 in.	1 1/4 in.	13.50
4	6 1/2 x 8 1/2	10 1/2 in.	1 1/2 in.	22.50
5	8 x 10	12 1/2 in.	1 3/4 in.	28.80
6	10 x 12	16 in.	2 in.	45.00
7	11 x 14	18 1/2 in.	2 1/4 in.	51.75
*8	14 x 17	22 in.	2 3/4 in.	67.50
*9	17 x 20	26 in.	3 1/4 in.	85.50

* In barrel only. DO NOT MUTILATE THIS CATALOG. PRESERVE IT FOR FUTURE USE.

THE RAPID RECTIGRAPHIC LENS

The Rapid Rectigraph is a superior type of rapid rectilinear lens which really stands in a class by itself between such lenses and the anastigmats.

The formula of the Rapid Rectigraph requires three elementary lenses in each combination and by this construction the corrections have been carried to a higher degree than is possible in the usual two-system formation. The Rapid Rectigraph demonstrates a remarkably flat field and a very slight trace of astigmatism. Before the introduction of anastigmats this lens was very popular with process workers and many of them are still used for this purpose.

We believe the Rapid Rectigraph has the distinction of being the first convertible lens ever made.

No.	Size of Plate	Diameter of Lenses	Equivalent Focus	Focus of Back Lens	Focus of Front Lens	Mounted in Barrel	Mounted in Betax Shutter
1	4 x 5	7/8 in.	6 1/4 in.	11 in.	14 in.	\$20.25	\$21.60
2	5 x 7	1 1/8 in.	7 1/2 in.	12 in.	18 in.	24.20	24.30
3	5 x 8	1 1/4 in.	8 1/2 in.	14 in.	20 in.	27.90	31.50
4	6 1/2 x 8 1/2	1 1/2 in.	10 1/2 in.	18 in.	24 in.	30.60	33.30
5	8 x 10	1 3/4 in.	12 in.	21 in.	28 in.	39.60	42.30
6	10 x 12	2 in.	16 in.	25 1/4 in.	34 in.	48.60	54.00
7	11 x 14	2 1/4 in.	18 1/2 in.	29 1/4 in.	39 1/2 in.	64.80	
8	14 x 17	2 3/4 in.	22 in.	34 1/4 in.	47 in.	81.00	
9	17 x 20	3 1/4 in.	26 in.	41 in.	56 in.	108.00	

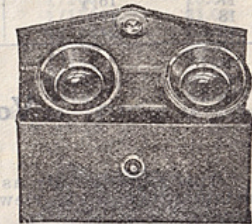
For matching lenses for stereo work, add \$2.50 to price of lenses.

Emil Wide Angle Lenses in Cells F:16

This lens is well known for its good qualities, and it has popularized the wide angle lenses in cells. It is well corrected for achromatism, and gives a perfectly rectilinear image with even illumination.

In ordering give the name of your shutter, the diameter of the cell openings and tube length. The shutter must be sent with order where special mounting is required for which there will be an extra charge.

Back Focus	Diameter	Size of Plate	Price in Cells with Case
3 3/4 in.	3/4 in.	4x5	\$7.15
4 1/4 in.	3/4 in.	5x7	9.50
6 1/4 in.	1 in.	6 1/2 x 8 1/2	11.40
7 1/4 in.	1 1/8 in.	8x10	15.10



Wide Angle Lenses

SERIES X EXTREME WIDE ANGLE LENSES F:18

Furnished only in barrel mount with revolving stops.

No.	Plate Size of	of Lenses Diameter	Focus Back	Focus Equivalent	Price
1	5x7	7/8 in.	3 in.	3 3/4 in.	\$17.20
2	6 1/2 x 8 1/2	1 in.	4 1/4 in.	4 3/4 in.	20.90
3	8x10	1 1/4 in.	4 3/4 in.	5 3/4 in.	24.70
4	10x12	1 1/2 in.	6 in.	6 1/2 in.	28.50
5	11x14	1 5/8 in.	6 1/2 in.	7 1/2 in.	33.25
6	14x17	2 in.	8 1/4 in.	9 in.	40.30
7	17x20	2 3/8 in.	10 in.	11 in.	51.30

The best wide angle lens for ordinary conditions is one which gives an angle of about 80 degrees on the base line of the plate. Our wide angle symmetrical is the lens we recommend for general use and its quality is unsurpassed.

For extreme wide angle work we offer our Series X wide angle lenses which include 90 degrees within the base line of the plate, which is a greater angle than any other lens of this type will cover. Don't be misled by statements that lenses will give an angle of over 100 degrees as they won't if the actual field included within the base line of the plate is considered which is the only proper way to determine the angle of view. No lens will include a wider angle than the Series X unless it is shorter in focal length for the same size of plate and few if any cameras will permit lenses of shorter focus to be used.

WIDE ANGLE SYMMETRICAL LENSES F:16

Mounted in barrel with iris diaphragm.

No.	Plate Size of	Focus Equivalent	Focus Back	Barrel Price in
1	4x5	4 in.	3 1/2 in.	\$9.50
2	5x7	5 1/2 in.	4 in.	11.90
3	6 1/2 x 8 1/2	6 in.	5 1/2 in.	15.20
4	8x10	8 in.	7 1/4 in.	19.00

VOIGTLANDER HELIAR LENS F 4.5.

For Reflex and Focal Plane Cameras, Press Work, etc., and those requiring a Lens that may be used under conditions when Lenses of a smaller aperture would result in failures.

Enlargements may be made from ¼ plate negatives, to 34x47 inches, without material loss of detail and definition.

The "Heliar" also is unrivalled as a Portrait Lens.
Full Aperture, F 4.5, in all sizes. Angle of View, 50°.

HELIAR F 4.5.

No.	Equivalent Focus, Inches	Size of Plate Sharply Covered F 4.5, Inches	Ordinary Mount	Counter Sunk Mount	Focusing Mounts
1	13/8	1 1/8 x 3/4	\$42.30	.....	\$49.34
2	1 3/8	1 1/8 x 1	42.30	.....	49.34
3	2	2 x 1 1/8	43.70	.....	52.08
4	2 3/8	2 x 1 1/2	46.36	.....	54.48
5	2 3/4	2 x 1 3/2	49.34	.....	57.57
6	3 1/4	2 x 2	52.08	\$54.48	60.34
7	4	2 1/2 x 2	57.57	59.58	64.52
8	4 3/4	3 1/2 x 2 1/2	60.34	62.05	67.35
9	5 3/8	4 1/4 x 3 1/4	64.52	67.35	73.02
10	6	4 3/4 x 3 1/2	67.35	71.66	75.78
11	6 1/2	4 x 5	79.25	81.85	85.95
12	7 1/8	5 1/2 x 4	86.15	89.01	94.52
13	8 1/4	6 x 4	118.00	122.35	127.58
14	9 1/2	7 x 5	141.00	146.60	150.16
15	11 1/2	8 1/2 x 6 1/2	192.60	203.88	.....
16	13 1/4	9 1/2 x 7	254.85	.....	.....
17	16 1/2	10 1/2 x 8 1/4	332.24	.....	.....
18	19	12 x 10	404.10	.....	.....
19	24	16 x 12	794.67	.....	.....

Voigtlander Collinear Lens. F 6.3.

"The Perfect Lens"

This Lens is fully as quick as the majority of Anastigmats, does all kinds of ordinary instantaneous work, view work, flash light, outdoor groups, copying, and for small hand cameras.

We supply "Collinears" to fit Kodak hand cameras, so mounted that they can be fitted by the purchaser into the shutter of his camera. No alteration of shutter is necessary in the camera. A correctly marked diaphragm scale is supplied with each set.

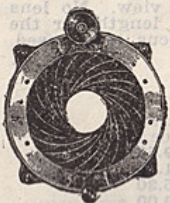
VOIGTLANDER COLLINEAR F 6.3.

No.	Equivalent Focus, Inches	Size of Plate Sharply Covered— at Full Aperture, Inches	Ordinary Mount	Counter Sunk Mount	Focusing Mount
1	3 1/4	3 1/2 x 2 1/4	\$46.02	\$48.70	\$53.58
2	3 1/2	3 1/2 x 2 1/2	49.51	52.20	57.56
3	4	4 x 3 1/4	52.40	54.60	58.97
4	4 3/4	4 1/4 x 3 1/2	54.44	57.85	61.72
5	5 1/4	5 x 4	59.27	61.80	67.21
6	6	6 1/2 x 4 3/4	66.48	69.00	73.03
7	6 1/2	6 1/2 x 4 3/4	72.51	73.90	79.36
8	7 1/8	7 x 5	82.15	85.20	90.38
9	8	8 x 5 3/8	87.98	90.36	94.50
10	10	8 1/2 x 5 3/8	118.93	.....	.....
11	12	8 1/2 x 6 1/2	162.15	.....	.....
12	14 1/4	9 x 7	213.54	.....	.....
13	17 1/2	10 x 8	292.61	.....	.....
14	20 1/2	12 x 10	356.73	.....	.....

Iris Lens Flanges

No. 1 for lenses 4-10 to 2 4-10" Dia.	\$5.25
No. 2 for lenses 4-5 to 3 1-5" Dia.	5.70
No. 3 for lenses 1-5 to 4" Dia.	6.25
No. 4 for lenses 2 to 3 1/4" Dia.	7.60

This is an adjustable flange, which is attached to front board and will accommodate various size lenses without any additional attachment. For example, the No. 1 is for lenses measuring 4-10 to 2 4-10 inches in diameter.



Compound Shutter

A SHUTTER FOR SPEED AND SERVICE

A shutter with an ample variety of speeds, uniform exposure and mechanical accuracy is an absolute necessity in successful photography. Regardless of the perfection of the lens, satisfactory results can be obtained only when that lens is equipped with a shutter which functions properly.

The Compound Shutter is an exceptionally efficient, inter-lens shutter for the photographer who wishes speed combined with the greatest possible compactness. It is both an automatic and a setting shutter, neither adjustment interfering with the perfect action of the other.

Bulb and time exposures are made without setting the shutter. When an instantaneous exposure is to be made, however, the setting lever must be depressed before the shutter will operate. The larger sizes have a pin just above the diaphragm scale instead of the disc, as illustrated, for designating the kind of exposure to be given.

COMPOUND SHUTTER

No.	Light Aperture mm	Light Aperture ins.	Thread Aperture mm	Thread Aperture ins.	Diam. of Casing mm	Diam. of Casing ins.	Speed	Price
00	15	9/16	19	3/4	45	1 3/8	1/300	\$18.00
0	23	7/8	27	1 1/16	57	2 3/16	1/250	18.00
1	27	1 1/16	30.5	1 3/16	66	2 9/16	1/200	19.00
1a	27	1 1/16	35	1 3/8	66	2 9/16	1/200	19.00
2	30	1 3/16	40	1 9/16	75	3 1/16	1/150	21.00
2	35	1 3/8	45	1 3/4	75	3 1/16	1/150	21.00
3	40	1 9/16	49	1 15/16	87.3	3 7/16	1/100	25.00
3a	40	1 9/16	54.8	2 5/32	87.3	3 7/16	1/100	27.00
4	52	2	67.5	2 7/16	106	4 3/16	1/75	35.00
5		2 9/16					1/50	40.00

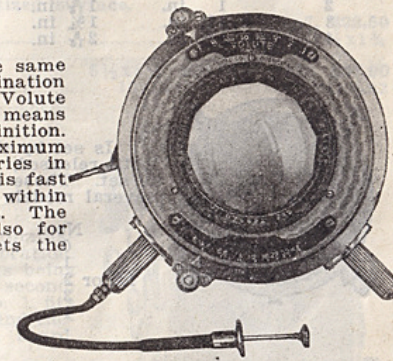
Fitting to Goerz lenses, if purchased with shutter, free of charge. Fitting to other lenses according to size, prices upon application.

Bausch & Lomb Volute Shutter

In the Volute shutter the diaphragm blades are the same as the shutter blades which means maximum illumination with minimum motion. There are more blades in the Volute shutter than in any other shutter on the market. This means absolutely uniform exposure, covering power and definition.

The Volute shutter is a setting shutter and its maximum exposure is one second. The minimum exposure varies in the different sizes as per table below but the shutter is fast enough for moving objects at such ranges as are within the limits of the cameras of the non-reflecting types. The pointer on the top sets for the various exposures, also for time and bulb exposures. The lever on the side sets the shutter and also serves as a finger release.

No.	Inches Opening	Automatic Exposures	Volute Shutter only
1	1	1 sec. to 1/150 sec.	\$23.00
2	1 1/4	1 sec. to 1/100 sec.	25.00
3	2	1 sec. to 1/75 sec.	27.00



The Ruwo Shutter

The Ruwo Shutter is simplicity in itself and is noted for the ease by which it is operated and its non-vibrating qualities. The body is made of aluminum with metal blades of which there are six sections, guaranteeing uniform exposure and quick operation. It is attached on the front of the lens with thumb screws which hold it securely. No fitting necessary.

Ruwo S-7 remaining light aperture is 2 3/4 inches and will take lenses from 2 1/4 inches up to 3 1/2 inches. Sizes of lenses to fit must be specified or the shutter will be sent with a light aperture of 2 3/4 inches.

Ruwo S-6 remaining light aperture is 2 1/2 inches and will take lens up to 2 3/4 inches. Sizes of lenses must be specified or the shutter will be sent with a light aperture of 2 1/2 inches or 2 3/4 inches.

RUWO S-7	\$14.50
RUWO S-6	12.50
Extra 3-ft. Release, \$2.50 Each	

THE LIGHTEST
AND MOST SIMPLE
SHUTTER ON THE
MARKET

ILEX SHUTTER

NOW IS THE TIME to fit your camera with a high-grade shutter. Look at these extremely low prices. Our extraordinarily large purchase direct from the manufacturers enables us to offer these extremely low prices.

ILEX ACME

This shutter, while built to meet the demand for an extraordinary fast speed, has every advantage of the slower speeds. Positive and accurate speeds and exact variations under all conditions is secured by the Famous Ilex Gear Combination, working in co-operation with the auxiliary speed adjuster, both of which are embodied in its construction. The entire mechanism is controlled automatically by one dial operating in either direction, instead of two separate indicators that interlock against one another. The different speeds indicated on the dial are exactly what you get. It is impossible for them to vary under any conditions. It has a minimum exposure of 1/300 of a second and furnishes all the intermediate speeds down to 1 second as well as time and bulb. Star-shaped light opening, thus giving the greatest and most even illumination.



ILEX GENERAL

This shutter is a popular priced "general-use" shutter, strictly automatic in action and does not require setting. The entire mechanism is controlled by one dial operating in either direction. It has the Ilex Gear Combination embodied in its construction, which gives an accurate 100th, 50th, 25th, 10th, 5th in addition to time and bulb.

ILEX UNIVERSAL

This shutter is without a question the highest grade automatic shutter made. The high speed is fast enough for most purposes and has all intermediate speeds down to one second, in addition to time and bulb. It gives a maximum exposure of 1/150 of a second. Excepting such cases as require extraordinary fast speed.

Number	Light Aperture	Lens Opening	Outside Diameter	Our Price for Acme Shutter	Ilex Universal Price	Ilex General Price
00	1 1/2 in.	3/8 in.	1 7/8 in.	\$16.20	\$13.05	\$ 9.00
0	1 in.	1 1/4 in.	2 1/4 in.	16.20	13.50	10.80
1	1 in.	1 1/4 in.	2 1/4 in.	16.65	14.40	11.70
2	1 in.	1 1/4 in.	2 1/2 in.	18.00	16.20	13.50
3	1 1/4 in.	1 3/4 in.	3 in.	20.25		
4	1 1/4 in.	2 1/4 in.	3 3/4 in.	22.50	18.00	16.20

Wollensak Optimo Shutters

(Speed 1/300th)

Is set by the right-hand lever which remains in its "set" position until released, making it easy to discern whether or not the shutter is set. These models have been adopted by the Ansco Company for several models of their Special Ansco Cameras.

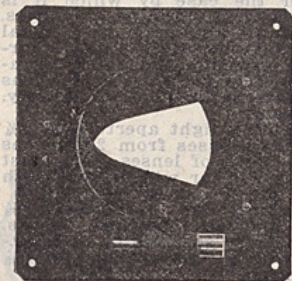


No.	Light Aper.	Outside Diam.	Optimo Shutter Our Price
0	1 1/2 in.	2 1/4 in.	\$12.60
1	1 in.	2 1/4 in.	13.50
1A or 2	1 in.	2 1/2 in.	15.30
3	1 1/4 in.	3 in.	18.00
4	1 1/4 in.	3 3/4 in.	20.25

Improved Packard Ideal Shutter

Specially Adapted for View Cameras

This shutter has three wings, with the special advantage of a very large opening in a very small shutter. It works without jar or vibration and may be used back of the lens. No. 5 is for "time" work only, No. 7 for time and instantaneous exposures.



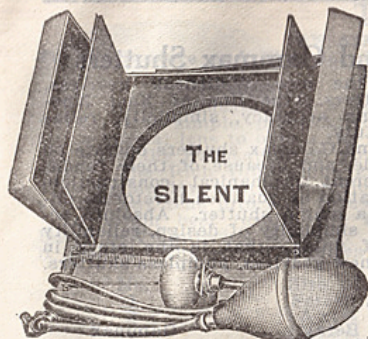
Opening	Outside Dimensions	No. 5	No. 6
1 1/4 inches	3 1/2 inches square	\$5.95	\$7.30
1 3/4 inches	3 1/2 inches square	5.95	7.30
2 inches	4 inches square	5.95	7.75
2 1/4 inches	4 1/4 inches square	6.40	7.75
2 1/2 inches	4 3/4 inches square	7.10	7.75
2 3/4 inches	5 inches square	7.10	8.20
3 inches	5 1/4 inches square	7.10	8.20
3 1/4 inches	6 inches square	7.10	8.20
3 1/2 inches	6 1/2 inches square	7.10	8.20
3 3/4 inches	7 inches square	7.10	8.88
4 inches	7 1/2 inches square	7.55	8.88

We are fully equipped to repair shutters and cameras at moderate prices. Before estimates can be given it is necessary that we examine the article to be repaired. Send your shutter or camera with your instructions.

Improved Silent Shutter

Every photographer who has experienced repeated failures owing to the "click" of his shutter in opening, causing his child subject to look toward the lens at the vital moment of exposure, or some member of a group, or an individual sitter to move just at the wrong time, will instantly appreciate the great value of the Silent Shutter, which will enable him to expose while his subject is unconscious of it.

In this improved shutter, which is made in pivot bearing style, the manufacturers have eliminated all of the rubber operating parts, replacing this with the all-metal valve and it is now operated with a double neck syringe bulb which eliminates the shut-off formerly used.



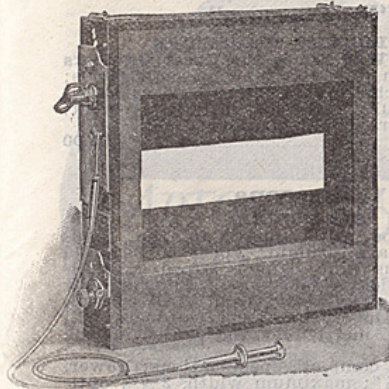
We can furnish this shutter in the following sizes:

2 inch	\$ 5.40	4 1/2 inch	\$ 8.10
2 1/2 inch	5.85	5 inch	9.00
3 inch	6.30	5 1/2 inch	9.90
3 1/2 inch	6.75	6 inch	10.80
4 inch	7.20		

The Graflex Focal Plane Shutter

Folmer's Patent, Feb. 5, 1907, and April 21, 1908.

For ultra rapid photography, the Graflex Shutter presents numerous advantages over those working in front of, between or behind the lens. To secure successful negatives of rapidly moving objects, such as horse and automobile races, railroads, football games, base ball contests, etc., there is no style of shutter that can equal the Graflex. And while constructed primarily for high-speed work, it is also adapted for slow automatic and time exposures of any duration. Its position immediately in front of the sensitive plate or film insures the distribution of light with equal intensity upon every portion of the sensitized surface.



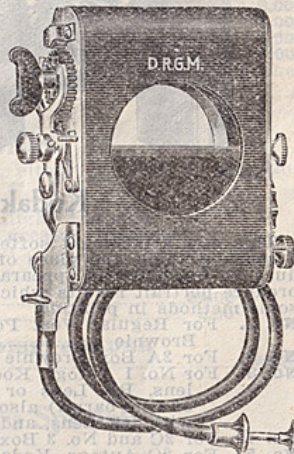
Dimensions	5x7	\$22.50
Weight	8 3/8 x 8 3/4 x 1 3/4	26 oz.
Dimensions	6 1/2 x 8 1/2	\$24.75
Weight	10x10x1 1/8	11 1/2 x 11 1/2 x 2
Dimensions	32 oz.	40 oz.

Montauk Roller Blind Shutter

This is the most efficient form of shutter, as the illumination is equal all over the plate, and there is no vibration. The body is finely polished mahogany, the metal parts being heavily nickel plated. Speed ranges from 1/15 to 1/90 second. Can also be set for time. Made in two models. No. 1 fits on the hood or front of the lens. No. 2 is of the behind-the-lens type, and screws on the outside of the front board. Prices listed below apply to both models.

PRICES

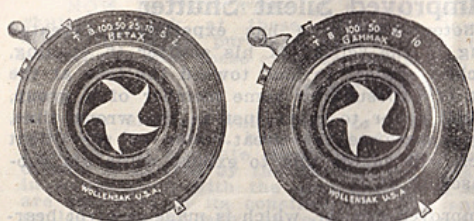
1 1/2-inch	\$5.00
1 3/4-inch	5.25
2 1/4-inch	5.50
2 1/2-inch	5.75
2 3/4-inch	7.00
3 3/8-inch	8.50
4-inch	10.25
4 1/4-inch	13.25



STANDARD FLANGES		Thread Diam.	Price	LENS CAPS		Inside Diam.	Price
Thread Diam.	Price	2-29/32"	1.50	1 1/4"	\$.50	3 3/4"	1.00
1 1/8"	.50	3 3/8"	1.60	1 1/2"	.55	3 1/2"	1.20
1 1/4"	.60	3 1/2"	1.75	1 3/4"	.60	4"	1.40
1 3/8"	.65	4 1/8"	2.00	2"	.65	4 1/4"	1.65
1 1/2"	.80	4-23/32"	2.50	2 1/4"	.70	5 1/4"	2.00
1 3/4"	1.00			2 3/4"	.75		
2 1/4"	1.25						

Note—When ordering flanges for outfits, specify size, type and mounting. Special flanges can be made to order at an additional cost on receipt of mounting to be fitted.

Note—In addition to the above, we have intermediate sizes, which are governed in price by the next larger size. When ordering caps, specify outside diameter of lens cell.



Betax and Gammax Shutters

These are the new Wollensak gearless, pumpless shutters, "the line of Xact Xposure" combining accuracy, simplicity, reliability and beauty.

The Betax and Gammax shutters operate on a new principle, and because of their fundamentally different mechanical construction, offer a combination of qualities heretofore unobtainable in a single shutter. Absolute accuracy, sturdy simplicity of design, reliability and beauty of finish,—that is the story in brief of these new gearless, pumpless shutters.

DESCRIPTIVE PRICE LIST

No.	Light Aperture	Bulb	Attachment	Betax	Gammax
0	1 1/4"		No. 1	\$ 7.50	\$ 4.00
1	1 1/4"		No. 1	8.00	5.00
2	1"		No. 1	9.00	6.00
3	1 3/4"		No. 1	12.00	
4	1 3/4"		No. 2	15.00	
5	2 1/4"		No. 3	18.00	



"Pockescope"

THE POCKET TELESCOPE

For Everyone Who Loves the Great Outdoors
Magnification over four and one-half times; length, 3 1/2 inches; diameter, 1 1/2 inches maximum; beautifully finished, optically correct; furnished in gray suede leather case.
Price\$2.00

**"Biascope"
SIX-POWER**

The Biascope will appeal to the thousands who have bought Pockescopes, and to the millions who cannot afford a high-priced glass. Every sportsman, motorist, boy scout, theatre goer, tourist and bird student, everyone who loves the Great Outdoors will appreciate the merit and the value of the Biascope.

Here are the complete specifications: Power, 6X; length, 4 1/4"; maximum width, 3 5/8"; optical system, Galilean type; adjustment with handy control lever, with diopter scale for setting; construction, brass throughout, finished with black crystallized lacquer, like the Pockescope; furnished with handsome pin-grain leather case with two snap fasteners; price\$5.00

Kodak Diffusion Portrait Attachment

This new attachment softens the lines and lends a very artistic and pleasing effect. In a sense it takes the place of that retouching which removes harshness. It does not produce an out-of-focus appearance. Without additional effort the average amateur may now produce portrait results which advanced amateurs have heretofore obtained only by both-some methods in printing.

No. 1.	For Regular Vest Pocket Kodak with single lens, for No. 0 and No. 2 Box Brownie	\$1.20
No. 2.	For 2A Box Brownie	1.20
No. 3.	For No. 1 Autogr. Kodak Jr., with f:7.7 Lens, 1A Autogr. Kodak Jr., with single lens, RR Lens or Kodak Anastig. f:7.7 Lens (without engraving on front of lens barrel) also for 1A Autogr. Kodak with RR Lens, No. 3 Autogr. Kodak with RR Lens, and for 2A Foldg. Autogr. Brownie with single or RR Lens....	1.20
No. 4.	For 2C and No. 3 Box Brownie Cameras	1.20
No. 5.	For 2C Autogr. Kodak J., with single or RR Lens, for 3A Autogr. Kodak Jr., with single or RR Lens. For 3A Autogr. Kodak with RR Lens, and for 2C and 3A Autogr. Brownie Cameras with single or RR Lenses.....	1.45
No. 6.	For the No. 1, 1A and No. 3 Autogr. Kodak Specials fitted with any lens.....	1.45
No. 7.	For 2C Autogr. Kodak Jr., with f:7.7 Lens, for 3A Autogr. Kodak Jr., with f:7.7 Lens, for 3A Autogr. Kodak with f:7.7 Lens, for 3A Autogr. Kodak Special with any lens	1.45
No. 8.	For Vest Pocket Kodak with RR Lens for V. P. Special, fixed focus model with Anastigmat Lens, No. 1 Kodak Jr., with single or RR Lenses, ser. II No. 1 Pocket Kodak, No. 2 Autogr. Brownie with single or RR Lenses.....	1.20
No. 9.	No. 3 Autogr. Kodak with Kodak Automatic Shutter.....	1.20
No. 13.	For 1A Autogr. Kodak Jr., with f:7.7 Lens with engraving on front of lens bbl., 1A Autogr. Kodak with f:7.7 Lens, No. 3 Autogr. Kodak with f:7.7 Lens	1.20
No. 8a.	For Special V. P. Kodak focusing model	1.20

The Rich Diffusatone

AN AID TO ARTISTIC PHOTOGRAPHY

For Portraiture and Pictorial Landscape Work. Adapted for Use by Both Professional and Amateur Photographers

The Rich Diffusatone is a screen designed to meet every requirement for soft focus work. It is simple, practical, convenient to use and absolutely dependable. No need to buy a special lens to obtain the rich effect of the diffused image in your photographs. You can place the Diffusatone on your regular lens and it immediately adapts it for soft focus work. The Rich Diffusatone gives an attractive and artistic appearance to your work. This simple device is an ingeniously constructed screen for instantly and conveniently converting any lens into soft focus equipment.

To obtain best results the Rich Diffusatone should be purchased complete with the Barré Self Centering Adapter. The Diffusatone Screens will be furnished without holder if desired. The screen requires an increase of five times in exposure.

No.	Size of Screen	Barré Adapter, adjustable for lens barrels	Price complete with Barré Adapter	Price of Screen only without Adapter
1	1 1/8 x 1 3/8	3/8 to 1 1/8	\$2.00	\$1.00
2	1 3/8 x 2 1/8	3/8 to 1 1/2	3.00	1.50
3	2 3/8 x 2 5/8	1 1/4 to 2 1/4	4.00	2.00
4	3 1/8 x 3 3/8	1 1/2 to 3 1/4	5.50	2.75
5	4 3/8 x 4 3/8	2 to 4 1/2	7.50	3.75



Artograph

Makes Any Lens a Soft Focus Lens at A Small Cost

The ARTOGRAPH DIFFUSING LENS is sold by us on a 10 days' trial, and is sent upon receipt of price with our guarantee to produce results superior to any soft focus lens on the market or money refunded.

NOTE—We have sold hundreds during the short time it has been on the market on the above terms, and up to date not a single one has been returned as unsatisfactory.

No. 1.	will fit Lens 5	inch diam.	\$10.00
No. 2.	will fit Lens 4	inch diam.	8.00
No. 3.	will fit Lens 3 1/2	inch diam.	8.00
No. 4.	will fit Lens 3	inch diam.	7.00
No. 5.	will fit Lens 2 1/2	inch diam.	7.00
No. 6.	will fit Lens 2	inch diam.	6.00
No. 7.	will fit Lens 1 3/4	inch diam.	6.00
No. 7 1/2.	will fit Lens 1 1/2	inch diam.	6.00
No. 7 3/4.	will fit Lens 1 1/4	inch diam.	6.00
No. 8.	will fit Lens 1	inch diam.	5.00

This Lens requires no increase in the exposure time.

Eastman Portrait Diffusion Disks

Use your favorite lens, focus sharply, and put on the Disk, either A or B, to give the diffusion you desire. No change in time of exposure.

Furnished in two sizes:		
No. 1.	3 1/2-inch diameter	A for slight Diffusion
No. 2.	4 1/2-inch diameter	B for greater Diffusion
No. 1.	A or B, Disk, each	\$6.00
No. 2.	A or B, Disk, each	7.50
Adjustable Disk Holders are made to hold these Disks:		
No. 1.	for lens barrels from 3 to 4 1/2-inch diameter	\$4.00
No. 2.	for lens barrels from 4 1/4 to 5 1/2-inch diameter	5.00

SPECIAL EASTMAN PORTRAIT DIFFUSION DISK HOLDER

For lens barrels 1 1/2 to 6 1/2 inches in diameter. Price\$6.00



Rexo Color Filters Special

This is a three times filter, and can be used with any make of dry plates on the market. It gives true color value to all objects in a picture, whether landscapes, snow scenes, interiors, flowers, portraits or otherwise. It should be used in photographing mountains or distant objects. It prevents halation, as it absorbs the rays that cause it. The most beautiful cloud effects are obtained with it.

No.	Diam. in inches	Price	No.	Diam. in inches	Price
50	3/8	\$0.72	54	1 1/8	\$0.72
51	1 1/8	.72	56	1 1/2	.72

The Ideal Portrait Lens

These lenses increase the light-gathering power of the ordinary lenses that are supplied with all modern hand-cameras and Kodaks.

The use of the Ideal Portrait Lens as an adjunct to the lens on your hand-camera means, then, that you are in a position to make portraits with the same softness and roundness that your professional acquaintances are making. It also means that you can make them to the full size of your plate and by at least one-third shorter exposure, this is due to the fact that the Ideal Portrait Lens shortens the working focus of the lens with which it is used, and as the aperture remains the same, the speed of the combination is increased from 25 to 33 1/3 per cent.

The lens is mounted in a neat brass cell, polished and plated, with adjustable springs, to fit over the hood of the lens like a cap.

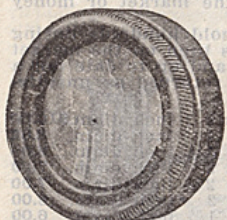
No. Inches in Diam.	Our Price	No. Inches in Diam.	Our Price
0 7/8	\$0.90	8 1 1/4	\$2.25
1 1/8	1.12	9 2	2.70
1 1 1/8 (for 4x5 cameras)	1.35	10 2 1/4	3.15
3 For box cameras	1.35	11 2 1/2	3.60
4 1 1/8 (for 4x5 cameras)	1.57	12 2 3/4	4.00
6 1 1/2 (for 4x5 cameras)	1.80	13 3	4.50



Ideal Portrait Lenses (Special)

The following numbers and sizes are simplified forms of the regular Ideal Portrait lenses described above, consisting of one lens only, mounted in a brass cell and supplied in a cardboard box. They give the same size images as are secured with the regular style.

No. Inches	Diam. in	Price	No. Inches	Diam. in	Price
50 7/8	1 1/8	\$0.72	54 1 1/4	1 3/8	\$0.72
51 1 1/8	1 1/4	.72	56 1 1/2	1 3/4	.72



Kodak Portrait Attachments

This is simply an extra lens which fits on in front of the regular lens and in no way affects the operation of the camera, excepting to so change the focus as to permit working close to the subject, thereby giving good sized head and shoulder portraits. Order by number.

- No. 1. For Nos. 0 and 2 Brownies, and Vest Pocket Autographic Kodak with single lens \$0.72
- No. 2. For No. 2A Brownie72
- No. 3. For No. 1A Autographic Kodak Junior, both single and double lens; Nos. 1A and 3 Autographic Kodaks, with double lenses; No. 2A Folding Autographic Brownie, both single and double lens, and No. 1 Kodak Junior with Kodak Anastigmat, F:7.7 lens72
- No. 4. For No. 3 Brownie and 2C Box Brownie72
- No. 5. For No. 2C Autographic Kodak Junior, both single and double lens; Nos. 2C and 3A Folding Autographic Brownies, both single and double lenses and No. 3A Autographic Kodak with either B. B. or Kodak Automatic shutter72
- No. 6. For Nos. 1A and 3 Autographic Kodaks, Special, V. P. Kodak with R.R. Lens, Kodaks with Kodak Anastigmat, F:7.7 lens, and No. 1 Autographic Kodak, Special72
- No. 7. For No. 3A Autographic Kodak, Special; No. 3A Autographic Kodak and No. 2C Junior with Kodak Anastigmat, F:7.7 lenses, and Stereo Kodak model 172
- No. 8. For No. 1 Autographic Kodak Junior, both single and double lens, Vest Pocket Autographic Kodak, Special, and No. 2 Folding Autographic Brownie, both single and double lens. V. P. Kodak with R. R. Lens, No. 1 ser. II Kodak72
- No. 13. For No. 1A Autographic Kodak Junior, with Kodak Anastigmat lens, F:7.7 (with engraving on front of lens barrel), No. 1 Autogr. Kodak with f:7.7 Lens, No. 3 Kodak with f:7.7 Lens72

The Ideal Duplicator

These Duplicators are fitted with adjustable springs, covered with rubber. They slip over the lens like a cap; made in all sizes to fit any lens.

By attaching the Duplicator to the lens of any camera, a person or persons can be photographed in two positions on the same plate, without showing any division line where the two exposures meet on the plate. Many humorous pictures can be obtained in this way. Two persons can be photographed on one plate without either one having seen the other. The duplicator can be turned around so that the image can be thrown on any part of the plate.

No. Inches in Diam.	Our Price	No. Inches in Diam.	Our Price
0 7/8	\$0.22	5 2	\$4.45
1 1 1/8	.27	6 2 1/4	.54
2 1 1/8	.31	7 2 1/2	.58
3 1 1/2	.36	8 2 3/4	.63
4 1 3/4	.40	9 3	.67



The Ideal Enlarging and Copying Lens

The Ideal Enlarging and Copying Lens will enable those possessing cameras that are not long focus instruments to photograph small articles to their full size or even larger, if it is desired. It will be found invaluable for copying pictures, making lantern slides by reduction with a short bellows hand camera and photographing small objects.

Some idea of the value of this lens can be learned when two photographs taken with and without the lens are compared as to size. A 4x5 photograph when copied with an ordinary camera, will produce a picture about the size of a postage stamp, and when our enlarging and copying lens is attached the photograph can be copied full size, or can be enlarged beyond its natural size.

The lens is mounted in a brass cell, polished and nickel plated, with adjustable springs, so that it fits over the hood of the objective lens like a cap.

No. Inches in Diam.	Our Price	No. Inches in Diam.	Our Price
0 7/8	\$0.90	8 1 1/4	\$2.25
1 1/8	1.12	9 2	2.70
1 1 1/8 (for 4x5 cameras)	1.35	10 2 1/4	3.15
3 For box cameras	1.35	11 2 1/2	3.60
4 1 1/8 (for 4x5 cameras)	1.67	12 2 3/4	4.00
6 1 1/2 (for 4x5 cameras)	1.80	13 3	4.50



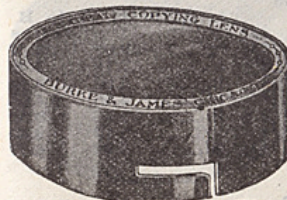
Ideal Copying and Enlarging Lens (Special)

The following numbers and sizes are simplified forms of the regular Ideal Portrait lenses described above, consisting of one lens only, mounted in a brass cell and supplied in a cardboard box. They give the same size images as are secured with the regular style.

No. Inches	Price	No. Inches	Price
50 7/8	\$0.72	54 1 1/4	\$0.72
51 1 1/8	.72	56 1 1/2	.72

Ideal Telephoto Lens

The Telephoto lens is useful in photographing distant objects where the size of the image is not large enough with the regular lens alone. The Telephoto lens is made in the same style as the other auxiliary lenses, mounted in brass, brass and nickel plated. It is adjustable to fit any ordinary 4x5 or 5x7 camera, the lens of which does not exceed 1 1/2 inches in diameter.



Ideal Wide Angle Lens

A Wide Angle lens is used in connection with the regular lens of any folding camera. It increases the angle of view and is useful for interior work. It slips on over the lens just as the Portrait lens and its object is to reduce the focal length of your regular lens. Adjustable to fit any ordinary 4x5 or 5x7 lens, the outside diameter of which does not exceed 1 1/2 inches. Copying Lenses and at the same price.

THE RAY FILTER SPECIAL is made also up to and including 1 1/2" at \$0.72 each in any size.

Wollensak Ray Filters

WOLLENSAK filters are made of fine imported optical glass, mounted in hand-spun brass mounts, with three adjusting screws, thereby enabling the operator to secure the filter in perfect plane or alignment, to the lens on which it is used. The color dyes are of the highest grade possible to obtain, the coating is done by hand, is free from striae and other imperfections, and each filter must conform to our high standard before being passed by our Testing Department.

These standard filters, which are regularly supplied on all orders, require an exposure of but four times normal, and are therefore suitable for work requiring fast exposures, and give sufficient corrections for commercial photography.

The range of sizes is such that they will fit all Wollensak Lenses, as well as other standard makes.

No.	Will Fit Lens Mounts From	Price	No.	Will Fit Lens Mounts From	Price
1	1- 5/32 in. to 1-13/32 in.	\$1.80	6	2- 3/8 in. to 2-5/8 in.	\$4.00
2	1- 7/16 in. to 1-17/32 in.	2.00	7	2-11/16 in. to 3- in.	4.70
3	1- 9/16 in. to 1-25/32 in.	2.25	8	3- 1/16 in. to 3-1/2 in.	5.95
4	1-13/16 in. to 2- in.	2.70	9	3- 9/16 in. to 4-1/8 in.	6.75
5	2- 1/16 in. to 2- 5/16 in.	3.25	10	4- 1/16 in. to 4-5/8 in.	8.10

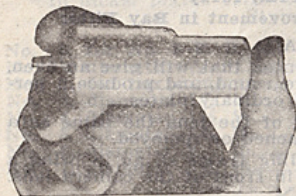
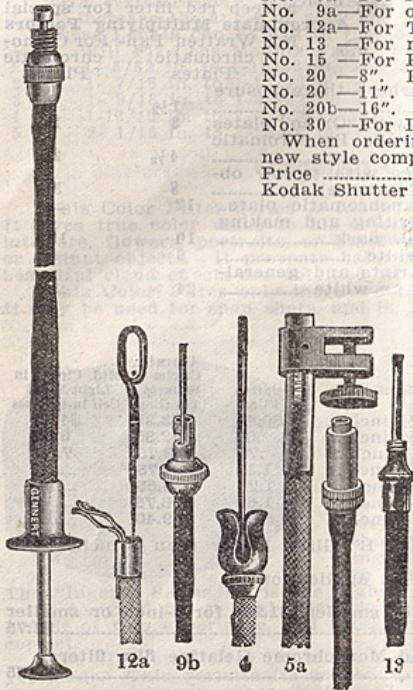


Montauk Shutter Releases

For any and all shutters. Increasingly popular. Not effected by climatic changes or drying out.

- The Montauk gives long and continuous service.
- No. 4 — For Universal Goerz Sector Bausch & Lomb.
- No. 5a — For Roller Blind Shutter.
- No. 9a — For old style Compound Shutter.
- No. 12a — For Trigger Release Shutter.
- No. 13 — For new Compound, Compur and Ibsco.
- No. 15 — For Kollos Shutter.
- No. 20 — 8". For Wollensak Shutters.
- No. 20 — 11". For Wollensak Shutters.
- No. 20b — 16". For Wollensak Shutters.
- No. 30 — For Ilex Shutters.

When ordering Compound Shutter Release, designate for old or new style compound shutters, so as to receive correct models.
 Price \$0.48
 Kodak Shutter Release, price \$0.35



The Metallic Bulb

An all-metal bulb, will withstand heat or cold and does not become inoperative in dry climate, will outlast a rubber bulb—made in two models.

- PRICE**
- No. 2—For non-automatic or time shutters \$1.00
 - No. 2—For automatic, setting and instantaneous shutters 1.00

Steel Glass Cutter

Steel glass cutters \$0.23

Camera Bulbs

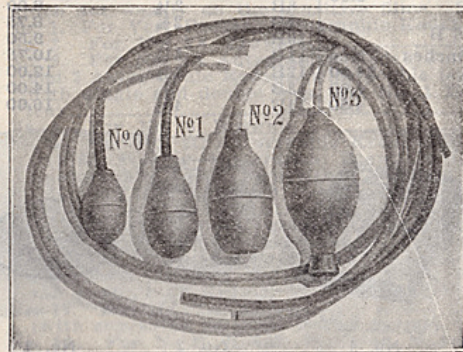
Prices, with Tubing

- No. 0, for Pocket Cameras \$0.22
- No. 1, Bulb, 3/4 x 1 3/8 inches28
- No. 2, Bulb, 3/4 x 1 1/245
- No. 3, Bulb, 3 1/2 x 1 1/458

Rubber Nipples and Tubing for Shutters and Washers

Prices

- No. 1 Red Rubber Tubing for shutters, per foot \$0.07
- No. 2 White Rubber Tubing for studio shutter, per foot08
- No. 3 Rubber Hose for washers, 3/8 inch diam., per foot10
- No. 4 Rubber Hose for washers, 9/16 inch diam., per foot20
- Rubber Nipple with brass connection, for washers, each40
- Brass connections for bulbs10



Montauk Shutter Release Extension

Similar in construction and operation to the Push Cord Shutter Release. One end is fitted with the finger pressure button, while the other has a special device to attach to any Montauk Shutter Release.

The extension is so very simple and substantial it gives long and continuous service, and one Extension will serve all your varied equipments as it will work with any release.

There are times that a long release is imperative for such work as self-portraiture; there are a thousand other uses to which it can be put, notably photographing animal life, in which field it is already justly popular.

Price List

- 117 inches long \$2.50
- 175 inches long 3.00
- 240 inches long 3.50
- 300 inches long 4.00
- 390 inches long 5.00
- 165 inches long with Y for Flash and Shutter Release 6.00

Film Pack Adapters

	Graflex Our Price	Korona Our Price	Seneca Our Price	Premo Our Price
2 1/4 x 3 1/4	\$4.28			\$1.19
3 1/4 x 4 1/4	4.50	\$1.44	\$1.45	1.40
4 x 5		1.58	1.65	1.65
3 x 5 1/4	5.25	1.58	1.65	1.65
3 1/4 x 5 1/2	5.25	1.58	1.65	1.65
5 x 7	7.15	2.25	2.25	2.35

Simplex Plate Holders

The material and workmanship of these holders is the same as our regular Ingento, however, they are fitted with patent pressed board slides without the wooden handles at the top. This is a great advantage, as the slide can be inserted at either end and shows instantly whether or not the plate has been exposed, at the same time the slides will last longer as there are no handles to break off or become loose. This feature also makes the holder more compact.

PRICES

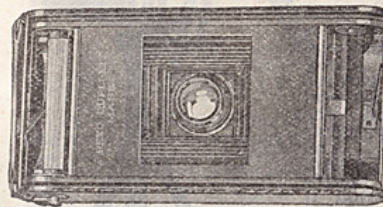
Size	Price	Size	Price
3 1/4 x 4 1/4	\$0.90	4x5	\$1.35
3 1/4 x 5 1/2 .....	.90	5x7	1.50

Simplex Plate Holder—for Graflex and Reflex

Price, Natural Finish	3 1/4 x 4 1/4	4x5	5x7
Price, Ebony Finish	1.80	1.80	2.25

Plate Holders

	3 1/4 x 4 1/4	3 1/4 x 5 1/2 or 4x5	5x7	6 1/2 x 8 1/2	8x10	7x11	11x14	7x17	8x20	12x20
Premo	\$1.40	\$1.40	\$1.65	\$1.90	\$2.25					
Kodak Double.....	1.45	1.45								
Graflex, 2 1/4 x 3 1/4, \$1.65	2.35	2.35	3.15							
Graphic	1.90	1.90	2.15	2.35	2.60					
Korona	1.13	1.13	1.35	1.68	1.80	\$1.80	\$4.50	\$4.50	\$5.40	\$6.75
Seneca .....	.90	1.35	1.50	1.65	1.80		5.10			
Eastman View Film Holders.....			1.65	1.75	1.90	1.90	4.50	9.50		13.50
Korona film holders, 5x12, \$4.50		1.13	1.35	1.68	1.80	1.80	4.50	6.30	7.20	
Graflex Focusing Panels, 2 1/4 x 3 1/4	3.10	3.32	4.05	5.47						



The Rexo Dupli-Kit

This is a thin metal mask which fits in the back of the camera, enabling the taking of double the number of pictures one-half the regular size. Adapted for use with Rexo Cameras and Kodaks without alteration. Always specify size, style and name of camera.

Please note—Rexo Films must be used with Dupli-Kit.

12 Pictures from a Six Exposure Roll
 Price, any size, 35c

Eastman Film Sheath

The use of the Eastman Film Sheath permits the loading of portrait film in regular plate holders. It is made of aluminum and has a turned edge or rabbet at both sides and one end. The film is slid into the sheath, the edges of the film passing under the rabbets which securely holds the film. The sheath is then placed in the holder in the same manner as a dry plate.

PRICE

Eastman Film Sheath No. 1—For Use with Curtain Slide Holders	Eastman Film Sheath No. 2—For Use with View Holders
5 x 7	2 1/4 x 3 1/4 or 3 1/4 x 4 1/4
6 1/2 x 8 1/2	5 1/4 x 6 1/2 or 4x5
8 x 10	5 x 7
	6 1/2 x 8 1/2
	8 x 10

The Ideal Tripods

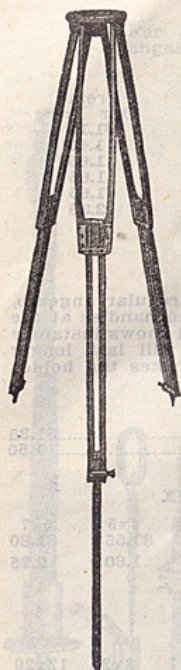
(COMBINATION)

These tripods are of the compact combination sliding and folding type. Each leg is composed of three sections, the lowest section slides into the second, while the upper section folds back upon it. The height is regulated by a clamp screw in the lower section.

The heads are readily detached and are fitted with universal camera screw. When set up for use, the legs are locked to the head and cannot become detached by accident.

The No. 1 Jr. has a brass head. Nos. 2, 2½ and 3 have matched wooden heads.

The wood is thoroughly seasoned and all metal parts are polished brass lacquered. The length, fully extended, is 56 inches.



No.	Made of	Length Folded Inches	Diameter of Head Inches	For Cameras	Our Price
1-Jr	Spruce	21	3	5x 7 or smaller	\$2.95
2	Maple	21	3½	5x 7 or smaller	3.40
2½	Hardwood	22	4½	8x10 or smaller	4.35
3	Ash	22	5½	11x14 or smaller	5.65

Ingento Tripods

(Sliding)

Great strength and extreme rigidity are the essential features of Ingento Tripods. They consist of two sections, formed by a center leg sliding between two outer pieces.

No.	Closed Length Inches	Extended Length Inches	Diameter of Head Inches	For Cameras	Our Price
0 Special	29	56	3	5 x 7 or smaller	\$1.35
1	30½	56	4¼	6½ x 8½ or smaller	2.70
2	32½	60	4¾	8 x 10 or smaller	3.15

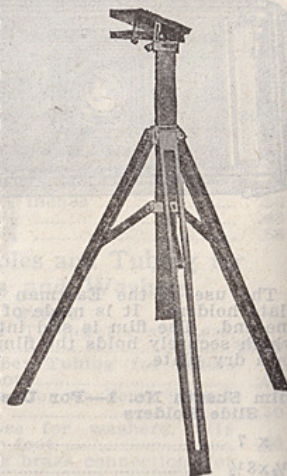
Crown Tripod

In this tripod, the lower section telescopes into the second, the second into the third, while the fourth folds back. The stock is straight-grained cherry, which has been toughened and water-proofed by an oil bath. Taper pins in the ear pieces of the head fit snugly into the metal top of the sockets thus preventing side play. Expansion brackets prevent collapse of tripod legs when tripod is grasped by hand. This is an invaluable feature.



THE KORONA Folding Studio Stand

We have been told that this is the best improvement in photographic apparatus made in several years, and the favorable opinions expressed by practical photographers justify our claim that it is the most desirable stand of its class. The ordinary tripod is very unsuitable and inconvenient for work which requires a portable rigid adjustable support for the camera on level floors, and nearly every photographer has constant use for a camera under this condition.



KORONA FOLDING STUDIO STAND

For 5 x 7 Cameras, No. 1	No. 1—Weight, 3½ lbs.	No. 2—Weight, 5½ lbs.	Our Price
For 6½ x 8½ Cameras, No. 2			\$11.50
			12.60

CROWN TRIPODS

No.	Size of Head	Height Extended	Weight	Our Price
No. 1	4 in.	52 in.	38 oz.	\$ 7.10
No. 2	6 in.	56 in.	65 oz.	7.60
No. 3	6 in.	66 in.	70 oz.	8.80
No. 4	6½ in.	86 in.	84 oz.	9.95

CASES FOR CROWN TRIPODS

Sole Leather	No. 1 \$4.75	No. 2 \$5.20	No. 3 \$6.20	No. 4 \$7.05
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Century 12-foot tripod	Our Price
Legs only	\$31.35
	25.20

PROFESSIONAL TRIPOD

For camera up to and including 14x17	Our Price
	\$19.95

Kodak Metal Tripods

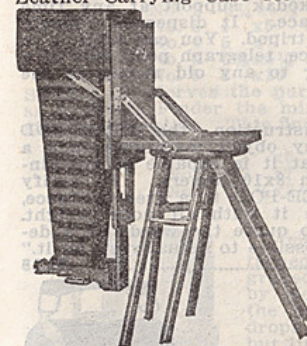


The Kodak Metal Tripods have telescoping legs of brass tubing—the lower ones nicked—the upper, black enameled. They are in weight, compact and exceptionally rigid.

No.	Sections Closed	Length Extended	Weight	Our Price
No. 0	3 15½ in.	39½ in.	15 oz.	\$2.55
No. 1C	4 15 in.	48½ in.	25½ oz.	3.60
No. 1	4 15½ in.	48 in.	25½ oz.	4.25
No. 2C	5 13½ in.	39½ in.	25 oz.	4.05
No. 2	5 13 in.	49 in.	26 oz.	4.75
No. 6	6 11¾ in.	40 in.	24 oz.	6.15
Leather Carrying Case for No. 0 to No. 2				2.58
Leather Carrying Case for No. 6				2.98

Crown Tilting Tripod Top

By the aid of this attachment the camera may be tilted at any angle upward or downward, and permits of the camera being reversed instantly for vertical pictures without changing the camera back or removing the camera from the tripod.



THE PRICE

Crown Tilting Tripod Top No. 1	\$2.10
Crown Tilting Tripod Top No. 2	2.50
Crown Tilting Tripod Top No. 4	3.15
Professional Tilting Tripod Top	6.95

R. O. C. TRIPOD TRUCK

A handy attachment for converting the tripod into a light and rigid studio stand. It has three folding arms which are provided with sockets for the tripod legs. When set up the legs may be locked into the sockets. It is provided with casters. The photographer will find it invaluable in home portraiture, copying or on slippery floors, where the tripod slips.

Price, No. 1	\$1.50
Price, No. 2	1.75

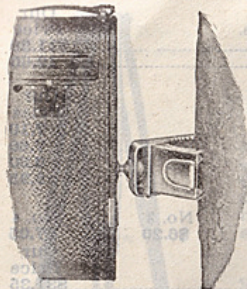
EASTMAN TRIPOD BRACE

Those who have dropped a camera through the legs spreading on slippery pavements or polished floors, or had an expensive outfit upset by the wind will appreciate the protection which this device will give. It locks the tripod legs securely, preventing vibration, and can be attached and detached easily. It is just the thing for Circuit tripods, home portraiture or tele-photography, where rigidity is important. Price \$1.35



THE KODAPOD

The little Kodapod—which is carried easily in the pocket—takes the place of a tripod, when a tree, fence, or similar object is near at hand. Its jaws have a bulldog grip that holds the wood like a vise, and likewise the Kodak, firmly in position. By means of a clamping screw, the camera may be adjusted to the correct vertical or horizontal position. It fits any standard tripod socket. The Kodapod\$1.65

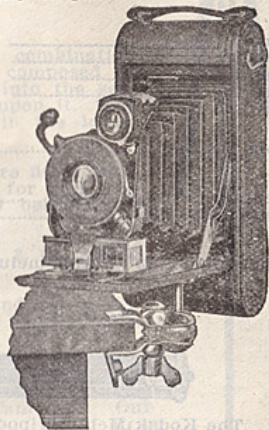


The Optipod

PRICE, \$1.22

The Optipod embodies all the features of the old Universal Clamp as well as offering new conveniences. It may be readily attached to any straight edge such as is afforded by table, chair or automobile windshield, and holds the camera in rigid position during exposure.

Used in connection with a tripod, the Optipod offers the advantage of its ball and socket joint that permits the camera to be tilted down or up without altering the position of the tripod.



TREE - POD A New SIMPLEX Product APPLICABLE ANYWHERE

AT Any Height Will Any Angle

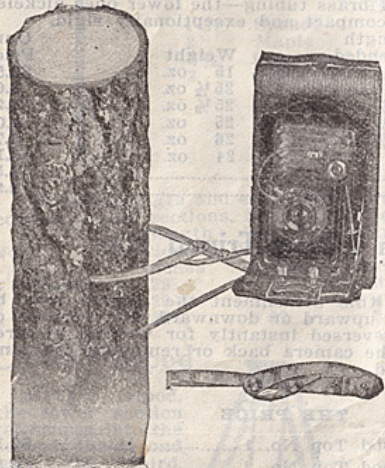
A RIGID CAMERA SUPPORT IN VEST POCKET FORM

Convenience:

The TREE-POD furnishes you with a most efficient camera or kodak support at any time and in most any place. It dispenses entirely with the bothersome tripod. You can affix it to anything—a tree, fence, telegraph post, side of a house, automobile, or to any old stump in the woods.

Efficiency:

Due to its construction, the TREE-POD when fastened to any object maintains such a firm grip thereon that it is capable of sustaining the weight of an 8x10 camera. To verify this, fasten the TREE-POD to a tree or fence, then press down on it with all your weight. You will find that, to quote the words of a delighted user, "it is possible to actually sit on it." Price\$1.15



Vest Pocket Kodak Tripod Adapter

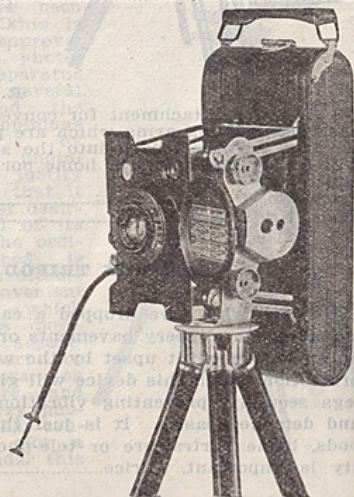
The adapter simply slips over the front standard of the Vest Pocket Kodak and by attaching to a tripod may be used in either the vertical or horizontal positions. It may be instantly detached when not in use. Price\$0.48

Brownie Tripod Adapter

The Brownie Tripod Adapter is designed for use on the Nos. 0, 2 and 2A Brownie cameras which are of the box type and not equipped with tripod sockets. Price\$0.23

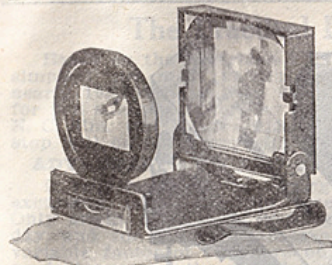
Anso Tripod Adapter

This attachment is to be used with the No. 0, or No. 2 Vest Pocket Anso Cameras which heretofore could not successfully be used for time exposures due to the lack of tripod socket. Price\$0.98



Anso Direct View Finder

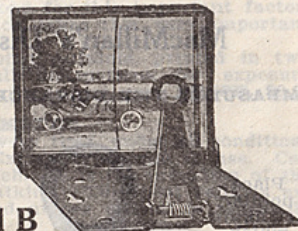
A great many hand-camera owners desire to see the image of the picture they wish to take in a larger size than the ordinary view-finder permits. This desire has brought about a call for an Anso finder of the so-called Direct-View type. It is with pleasure that we announce this month such a device, which is superior in construction to other similar view-finders on the market, and which will meet the demand in a manner that will bring about general satisfaction.



The Anso Direct View-Finder is an attachment, designed for use on all Anso Vest-Pocket cameras, the Folding Anso models No. 1A and No. 3A and the Anso Junior Models Nos. 1A, 2C and 3A. Its use enables the operator of the camera to determine by looking through the eye-piece of the finder the composition of his picture by direct vision, just as it will appear on the film or plate. It is a very valuable accessory, particularly for the V-P models, wherever a larger image than the regular view-finder will give is desired. The finders are neatly packed, one in a carton. Price.....\$2.50

Korona Direct View Brilliant Finders

The illustration shows very clearly the style of this finder which is made to fold and occupy very little space when not in use. Finders of this type are frequently very convenient in hand camera work and they are better than ordinary finders for centering fast-moving objects on the plate.



These finders may be used with a camera of any size. Size of Lens 1 1/2 x 1 1/8 3 1/4 x 4 1/4 4x5 5x7 Price\$1.90

Direct View-Finders A and B

New supply just received from France direct from Manufacturers. STYLE A. Also known as sure shot. A high-grade brilliant direct-sight finder with sight and centering lines. Can be fitted permanently or detachable as desired. Style B

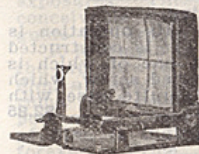
No.	Size	Style	Price
No. 1	3 1/4 x 4 1/4	Style A	\$1.45
No. 2	3 1/4 x 5 1/2	Style B	\$0.60
No. 3	4 x 5		1.00
No. 4	5 x 7		1.45
No. 5	6 1/2 x 6 1/2		1.75
No. 6	8 x 10		2.00
			2.50

STYLE C. Serves the purpose of both Direct and Reflecting Mirror Finder. When used as a Direct Finder the mirror is folded back and slipped into the base of finder which affords protection. This finder is supplied with both sight and centering lines. Price

No.	Size	Price
No. 7	4 x 5	\$3.00
No. 8	5 x 7	3.75
No. 9	6 1/2 x 8 1/2 - or 8x10	4.75

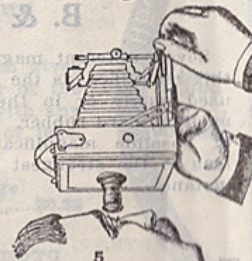
Graphic Sight Finder

These finders are so constructed that they may be readily attached to the camera. Horizontal and vertical centering lines, engraved on the lens, make it possible to exactly center the object by means of vertical sight bar at the back of the bed plate. When the lens frame on the finder is folded down, the bar automatically drops into position. This finder is thoroughly effective and occupies but little space. PRICE.



Size	Price
3 1/4 x 4 1/4	\$3.45
3 1/4 x 5 1/2	\$3.45
4x5	\$3.45
5x7	\$3.45

Focusing Glasses



Style 1. Corona Focusing Glass, nickel plated.....\$3.00
 Style 2. Three legged construction, compound lens, adjustable, lacquered and polished 1.00
 Style 3. Compound lens, adjustable, lacquered and polished..... 1.50
 Style 5. Tupper Pneumatic Grip, Focus Glass and Microscope. The great advantage of the Tupper is that: If placed with slight pressure against the ground glass by suction it will remain on the spot until removed..... 1.75