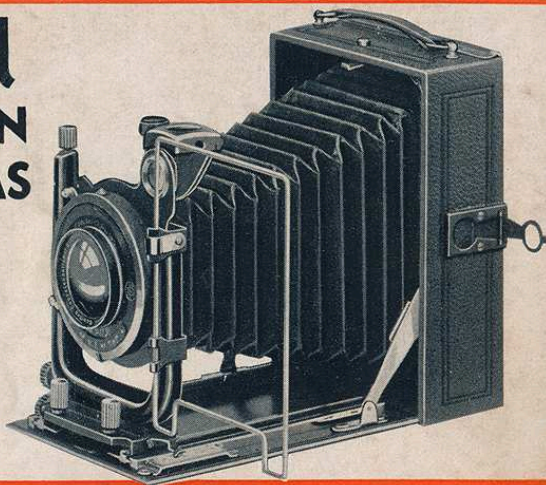


Steinheil PRECISION PLATE CAMERAS

WITH F:4.5 LENS
NET ONLY

\$28⁶⁰-



With **GENUINE Steinheil
HIGH SPEED LENSES.**



High Speed Lenses

Fitted with high grade, super-speed genuine Steinheil Anastigmat lenses. Being fully corrected they are adaptable to all forms of photographic work. Their speed makes you independent of light conditions. Their critical sharpness assures clean-cut negatives.

Fine Shutters

Fine shutter equipment makes for versatility in the universal use of these cameras. Accurately constructed and timed, they offer the utmost in precision workmanship and dependable operation.

FOR PLATES AND FILM PACKS

An outstanding achievement in fine camera design. The 12 inch double extension bellows makes possible actual size photographs. The rigid double metal track and front lens supports are adjustable for both vertical and horizontal positions. They are equipped with a spirit level, reversible brilliant view and wire finders—as well as a ground glass back for critical focusing. Constructed with watch-like precision, incorporating all essential adjustments for fine photography.

Picture Size 3 1/4 x 4 1/4 Inches (9x12cm.)

Built in the popular 9x12cm. size, they are furnished with reducing kits to take all standard 3 1/4 x 4 1/4 inch plates, cut films and film packs. It is a popular size for fine amateur, pictorial and scientific work. The special ground glass focusing back adapts these cameras for all critical work. You see beforehand just what you are going to get in the picture.

Fine Pictures

Fine pictures are only natural from these fine Steinheil cameras. Their wonderful lens and shutter equipment makes for sharp, clean-cut, crispy negatives—retaining that wealth of detail so essential to good pictures.

A De Luxe Model

Precision workmanship and expert design is readily apparent in these fine cameras. All metal parts are accurately machined. Utmost rigidity is maintained regardless of bellows extension. They are built to a new high standard of quality.

YOU CANNOT BUY A FINER CAMERA

With Cassar F:3.5

With Steinheil Ultra-speed Cassar F:3.5 lens of 6 in. (15cm.) focal length in Compur Shutter. Furnished complete with focusing back, film pack adapter and three plate holders.

List \$66.00 Disc. 35 %

Net **\$42.90**
Only

With Unofocal F:4.5

With Steinheil Unofocal F:4.5 lens of 6" (15cm.) focal length in Automatic Ibsor Shutter. Furnished complete with focusing back, film pack adapter and three plate holders.

List \$50.00 Disc. 35 %

Net **\$32.50**
Only

With Unofocal F:4.5

With Steinheil Unofocal F:4.5 lens of 5 1/2 inch (13.5cm.) focal length in Compur Shutter. Furnished complete with focusing back, film pack adapter and three plate holders.

List \$44.00 Disc. 35 %

Net **\$28.60**
Only

WHOLESALE PHOTOGRAPHIC SUPPLIES

**CATALOG
270**

Unsettled conditions and a rising market prevail as this catalog goes to press. Prices quoted herein are extremely low—based upon present market conditions. **MAKE YOUR PURCHASES NOW!**

**CAMERAS
LENSES
AMATEUR
SUPPLIES
STUDIO
EQUIPMENT
ACCESSORIES
OF ALL KINDS**

**EVERY ITEM
GUARANTEED**

BURKE & JAMES INC.

JOBBERS • MANUFACTURERS • IMPORTERS

223 W. MADISON ST., CHICAGO, ILL.

ESTABLISHED 1897

KORELLE "P"

MINIATURE CAMERA

for PLATES -
CUT FILMS or
FILM PACKS ..



F 2.8
F 2.9

WITH F2.9
LENS
NET ONLY
\$40.00

the **ULTIMATE IN MINIATURE
CAMERA EFFICIENCY...**



**Super
Speed
FOCUSING BACK**

The back of the camera provides for the instant interchanging of the ground glass back, plate holders or film pack adapter. The focusing back will prove of real value in critical work of all kinds.

Picture Size 4 1/2 x 6 cm.

Producing pictures 1 3/4 x 2 1/2 inches (4 1/2 x 6 cm.), this fine Korelle P, while a real miniature in size, is capable of big camera results. The camera proper is of metal construction, leather covered with high grade leather bellows and rigid metal lens mount.

A PRECISION MINIATURE

A small compact miniature that offers all the advantages of the finest cameras, yet measures only 3 1/4 x 2 3/4 x 2 inches. Of rigid and substantial construction, fitted with lenses of scientific accuracy and a high speed shutter, it answers the problem for a super miniature camera, adaptable to all forms of miniature photography. It produces those needle sharp negatives, so ideal for enlarging, yet of ample size (1 3/4 x 2 1/2 inches), for direct contact prints.

For Plates, Cut Film, Film Packs

Being adaptable to the use of plates, cut films, or film packs, a wide range of fine sensitized materials are at the operators disposal, enabling the camera to be used for many specialized purposes. The ground glass focusing back enables you to see beforehand just what you are getting in the picture. The high speed lens equipment assures sharp, crispy pictures. These lenses when stopped down for normal snap-shot work provide remarkable depth of focus, bringing both nearby and distant objects into critical sharpness. The high speed Compur shutter is of the new "delayed action" type, providing exposure speed from 1 to 1/250th second and time and bulb.

HIGH SPEED LENS EQUIPMENT

With Cassar f2.9

Fitted with Steinheil Cassar F:2.9 Anastigmat lens in new style Compur shutter. Complete with 3 metal plate holders, film pack adapter and ground glass focusing back. A high speed outfit.

List, **\$61.50**
Each

With Zeiss f2.8

Equipped with Carl Zeiss Tessar F:2.8 Anastigmat lens, suitable for all types of high speed work. Compur shutter. With three metal plate holders, film pack adapter and ground glass focusing back.

List, **\$75.00**
Each

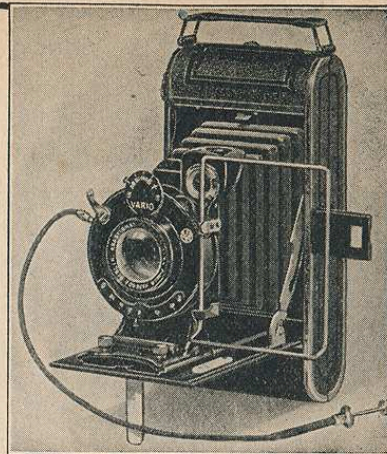
Dealers Discount 35%

BURKE & JAMES, Inc., Chicago

1

Ertee Special Speed Camera

ERTEE Special Cameras are designed to fill that great popular demand for a medium size roll film camera of the better class. Fine shutter and lens equipment, coupled with the practical design of the camera proper care has produced in the Ertee an instrument of paramount quality—one that can be depended upon to bring home beautiful pictures—to successfully handle the most difficult shots—to assure well exposed, clean cut negatives under most any condition of light—and all this with the convenience of roll film operation.



LIST PRICE \$17.50

NET **\$11.75**
ONLY

WITH F:4.5 LENS VARIO SHUTTER

PICTURE SIZE
2 1/4 x 3 1/4 in.

HIGH SPEED
F:4.5 LENS

SPEEDY
SHUTTERS

RADIAL
FOCUSING
LEVER

EASY TO
OPERATE

REVERSIBLE
BRILLIANT
FINDER

BEAUTIFULLY
FINISHED

LEATHER
COVERED

A SPLENDID
VALUE

IMPORTED ROLL FILM CAMERA

CONSTRUCTED with that fine mechanical precision generally associated with the finer cameras. The Ertee is of all metal construction with genuine leather bellows. A radial focusing lever extends the bellows to bring objects into sharp, critical focus at distances ranging from six feet to infinity. Focusing is simple, easy and positive.

Fine Lens and Shutter Equipment

As the lens and shutter are the heart of any camera it is only natural that the Ertee would also carry such famous lens equipment as genuine Steinheil or Carl Zeiss lenses of proven merit and recognized quality. The F:4.5 speed of these lenses make good pictures possible on those dark murky days when the average camera would produce hopelessly underexposed negatives—yet, the Ertee will bring home good pictures every time.

Finest Construction Throughout

Some models are fitted with the "new style delayed action" type Compur shutters providing exposure speeds from 1 to 1/300th of a second as well as time and bulb. Both antinous and lever releases are provided. Collapsible, reversible brilliant view and wire finders. Beautifully leather covered with highly plated metal trimmings. Folds compactly to 3 1/4 x 6 1/2 x 1 1/2 inches. Spring action automatically opens camera at the touch of a button.

With Ertee Special F:4.5 Anastigmat Lens

Fitted with (10.5cm.) Ertee Special F:4.5 high speed anastigmat in Vario shutter having speeds from 1/25th to 1/100th of a second, as well as time and bulb. Camera body and fittings same as described above. A real value.

LIST PRICE \$17.50

NET PRICE ONLY

\$11.75

With Steinheil F:4.5 Anastigmat Lens

Fitted with genuine Steinheil F:4.5 lens of 4 inch (10.5cm.) focal length in new style self-timing Compur shutter.

LIST PRICE \$35.00
NET ONLY

\$21.50

With Carl Zeiss F:4.5 Anastigmat Lens

Fitted with the famous Carl Zeiss Tessar F:4.5 lens of 4 inch (10.5 cm.) focal length in new style self-timing Compur shutter.

LIST PRICE \$45.00
NET ONLY

\$26.50

Leather Case for above,
Net, each.....

75c

36 YEARS OF SERVICE TO THE PHOTOGRAPHIC TRADE!

Why

QUALITY FIRST

In every page of this large catalog you will find listed only the highest quality merchandise—the finest products of the world in photographic equipment, supplies and accessories. Rexo's 36 year policy of handling only quality merchandise, accounts in no small measure for our steady and continuous growth. Our thousands of customers—workers in every branch of photography—is ample testimony of the soundness of this policy.

Selected Merchandise

Every item listed in the pages of this catalog—has passed Rexo's rigid tests for quality. Buy with confidence—with the knowledge that every item is exactly as described—that every price is as low as present market conditions permit.

— SAVE MONEY ON YOUR PHOTO PURCHASES —

Throughout the pages of this catalog you will find many new and interesting items, which will add comfort, economy, convenience and pleasure to all your photographic endeavors. Examine every page—make comparisons, quality for quality—price for price, then you too, like thousands of present Rexo customers, will make the pleasant discovery that Burke & James sell better quality for less. Our buyers have scoured the photographic markets of the world to bring these wonderful values to you.

Tremendous Stocks

Our tremendous stocks of photographic equipment, supplies and accessories are unusually complete. Gathered together under one roof, every conceivable requirement of the photographer has been anticipated. Special catalogs are available showing studio reception room equipment, backgrounds, etc., also picture frames, framing material etc. Studios interested in this special equipment are urged to write for these special catalogs.

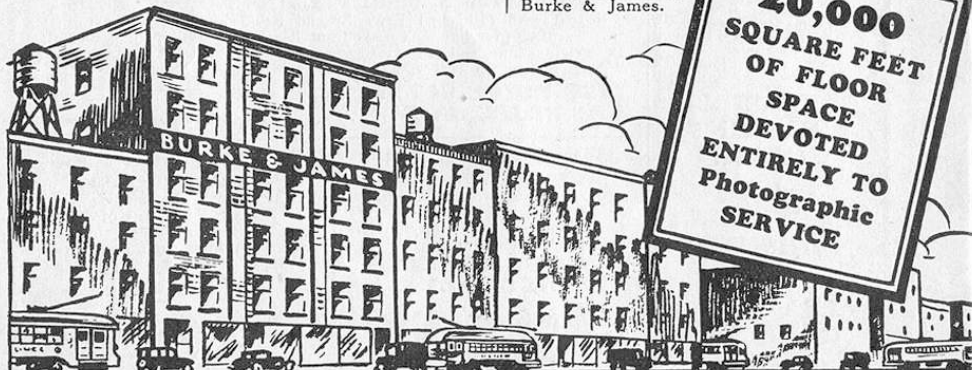
New Low Prices

Our large buying power enables us to go into the open market and buy for cash. Buying in quantities for cash means rock-bottom prices—and the savings effected in this manner are passed right on to you in the form of lower prices. You save when you buy from Burke and James.

Prompt Shipments

Our mammoth stocks assures prompt shipment of your orders. The entire Burke & James organization is dedicated to a principle of super-service, and your orders, large or small, will be handled with a precision and promptness that will surprise you. Such service enables you to concentrate your purchases with one responsible house—where you can buy everything you need for your photographic pursuits. Direct factory purchases in tremendous quantities, eliminating unnecessary middleman's profits, economical operation, with only one insignificantly small profit, results in better quality—lower prices. Whether your orders are large or small you buy with the unqualified guarantee that the merchandise is exactly as represented in this catalog. You must be satisfied with your purchases at Burke & James.

20,000 SQUARE FEET OF FLOOR SPACE DEVOTED ENTIRELY TO Photographic SERVICE



It pays to Buy from BURKE & JAMES

We Are Responsible

Established over thirty-six years ago, the Burke & James organization is responsible. Any bank in Chicago—or your own local banker will advise you regarding our financial reliability. You can send your orders to us with confidence—with the assurance that your order will be promptly filled, with merchandise exactly as described—and with a guarantee of satisfaction that makes you the judge of your own bargain.

Trade-in Policy

With the advent of this catalog, we are inaugurating a new trade-in policy. On certain cameras and lenses, we will accept your old camera or lens as part payment on a new one. Write us fully describing your old lens or camera—or better yet, send it in to us—and by return mail we will send you a liberal offer to apply on your new selection.

Export Orders

All orders for export to countries outside of U. S. A. will be accepted only when 50% of the amount of order accompanies the order, or a letter of credit is opened with an international bank in U. S. A. so that payment will be made against shipping documents. Remit sufficient funds in U. S. A. Dollars for transportation.

Refund will be made immediately on remaining balance if full cost of goods is remitted.

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Schools, laboratories, and institutions using large quantities of photographic equipment and supplies are urged to write us. Inquiries are also invited on any standard photographic items not listed in this catalog. Send us your requirements.

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Our terms are strictly cash, except where credit or open account has been established, otherwise shipments will be made on C. O. D. basis. Remittances should be made by post office money order, bank draft or personal check. When checks are sent include (5c) five cents for actual cost of exchange. On parcel post shipments include sufficient postage. Any surplus will be promptly returned.

\$2.00 Minimum Orders

Because of the extremely narrow margin of profit on which we operate, a loss is sustained on orders for less than two dollars. Minimum export order accepted is \$25.00 due to expense in special packing and preparation of export papers.

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The Rexo guarantee protects you in all your dealings with Burke & James. We guarantee all items to be exactly as described in our catalog—and we want you to be satisfied with everything you order — satisfied with the quality, satisfied with the service it gives you—and satisfied with the value you receive. If anything you buy from us does not give you the service you have a right to expect—if it proves defective in workmanship or quality write us—we will make it right.

Tax

Prices on all items in this catalog are based upon present day conditions. In the event of a Federal, State or City Government Tax being imposed upon any of these articles, the buyer agrees to pay, to the seller any sales tax or taxes which may be imposed.

BURKE & JAMES INC.

JOBBERS • MANUFACTURERS • IMPORTERS

223 W. MADISON ST., CHICAGO, ILL.

OUR BROAD GUARANTEE • PROTECTS EVERY PURCHASE

HALF VEST POCKET SIZE—1¼"x1½" (3x4cm.) STEINHEIL SPEED CAMERAS

**With Cassar Ultra Speed
F:2.9 Anastigmatic Lens**

THE miniature camera of outstanding merit, built with all the precision and accuracy of the finest large cameras yet producing 16 pictures on regular 8 exposure vest pocket roll film. It produces those small negatives and prints that are noted for their snap and brilliancy.

The All Purpose Camera

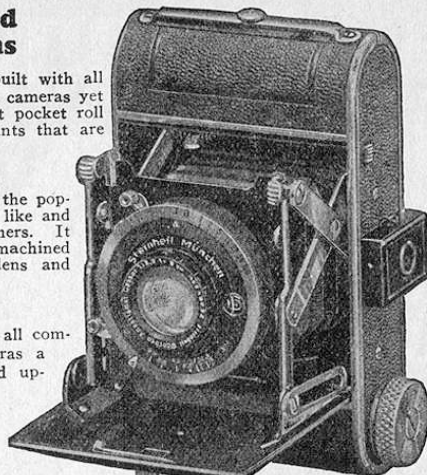
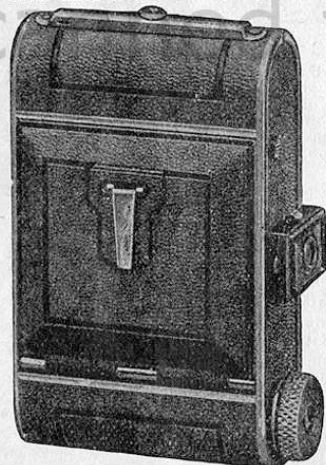
These all purpose Steinheil Speed Cameras fill the popular demand for a miniature camera that handles like and provides results equal to any of its larger brothers. It is of ultra precision construction, accurately machined and assembled and fitted with world famous lens and shutter equipment.

Real Up-keep Economy

A small camera, small negatives, small prints, all combine to make these fine Steinheil Speed Cameras a truly economical instrument in both original and up-keep cost. Yet, economy is not secured at the expense of quality or picture making ability.

Compact Size

It's a real miniature camera weighing only 12 oz. When folded it measures 4¼"x2½"x1 inch thick. A threaded lens flange permits instant focusing from three feet to infinity.



Retail Value \$39.50

Discount 35%

NET TO YOU

\$25.65

Takes 16 Pictures on Eight Exposure Vest Pocket Size Roll Film.

And for economy in operation these new Steinheil high speed miniature cameras set a new standard of perfection. They produce 16 needle sharp negatives measuring 1½"x1¼" inches on regular eight exposure vest pocket roll film. Sixteen negatives, so sharp, so clean cut that tremendous enlargements provide all the qualities of contact prints.

CASSAR F:2.9 LENS

Fitted with genuine Steinheil F:2.9 Cassar Ultra Speed lens of the true anastigmatic type, fully corrected, free from coma and with extraordinary flatness of field. Stage scenes taken during performances at the theatre, night scenes, etc., are all possible. Its focal length of 2 inches (50mm.) makes for extreme depth of focus at any lens stop.

Self Erecting

It is but the work of an instant to bring these new high speed Steinheil cameras into action. You press a button and automatically the lid flies open, the bellows assume position and you are ready to snap the shutter, its high speed lens assures well exposed negatives every time.

COMPUR SHUTTER

Fitted with a Compur shutter of the new type having a calibrated, knurled edge, outer flange to cover exposure settings from 1 to 1/300th sec., time and bulb. Shutter is rigidly mounted to camera front strut and focusing is done by turning lens in or out in its threaded calibrated flange. May be focused for distances from 4 feet to infinity.

A Precision Instrument

The fine precision construction of these cameras goes without saying. The all metal case is attractively covered in pin grain seal leather with exposed metal parts in black enamel or highly nickel plated finish. All operating controls are readily accessible making for real simplicity in operation of the camera.

Camera as Listed Above

Complete camera as described above with Steinheil Cassar F:2.9 lens of 2 inch (50mm.) focal length in new style Compur shutter.

LIST PRICE \$39.50

Discount 35%

Net to you, only . . .

\$25.65

Pilot Miniature Reflex

Self Erecting — Visual Focusing

The apex of achievement in fine camera design is reflected in the compact, highly efficient Pilot, Self Erecting Reflex Miniature Camera. It combines in one instrument the instant readiness for use of the box or self-erecting camera, the certainty of focus and picture of the reflex, the rigidity of a large camera and the extreme portability of a miniature.

In the reflecting mirror focusing hood a magnifier is built in as regular equipment. You see the image in the ground glass greatly magnified in size, making accurate, critical focusing a simple operation. In the Pilot you see in the ground glass the actual picture you are taking and you get exactly what you see every time.

Self Erecting

A notable feature of the Pilot lies in the fact that all necessary adjustments for picture making may be made while the camera is in its folded position. Then all you do is snap a button,

the camera springs open, you focus, snap the shutter and bring another picture home. Just the thing for those candid camera studies.

Optical Equipment

Fitted with large aperture super speed lens the Pilot makes its proud owner independent of light conditions. The short focal length of these lenses in relation to their speed provides remarkable depth of focus, even when used wide open, and when stopped down for normal light conditions they have a tremendous depth of focus, a highly desirable feature in all forms of action photography.

Compur Shutters

The new style Compur shutters are of extreme accuracy. Provision is made for exposure speeds from one to 1/300th of a second as well as time and bulb. A calibrated, milled edge outer ring marks off the exposure speeds, a radial indicator marks off the lens stops. You set the shutter and you are ready for a picture.

Sixteen Exposures on Regular Vest Pocket Film

Compact in Design

The ultra small size of the Pilot is the surprise and delight of all who see it. It measures only 5" high, 2¼" wide and 1½" thick, no larger than two match boxes placed end to end.

Liberal Trade-in Allowance

Your old camera will be accepted as part payment toward the purchase price of a new Pilot Reflex. Regardless of the condition of your camera, write us, describing it fully and we will forward you our liberal offer by return mail.

Picture Size

And for economy these Pilot high speed reflex cameras set a new standard. Sixteen pictures, 1½"x1¼" inches on regular eight exposure vest pocket roll film. Pictures so sharp, so clean cut that enlargements provide all the qualities of direct contact prints.

Easy to Focus

With the new Pilot Reflex, focusing is the work of an instant. The enlarged image that you see in the ground glass is quickly and easily brought into critical focus, every picture you take will be just as you saw it in the ground glass when you snapped the shutter.

Beautiful Finish

And in strict keeping with its many other fine features is the beautiful finish of the Pilot. The all metal case is attractively leather covered. Highly plated metal trim protects all edges.

With Steinheil f2.9 Lens in Compur

Fitted with a Steinheil F:2.9 anastigmat lens in Compur shutter. The extreme speed of this lens adapts the camera to all types of high speed work.

List Price . . . \$80.00

With Carl Zeiss f2.8 Lens in Compur

Fitted with Carl Zeiss Tessar F:2.8 lens in Compur shutter. This fine ultra speed lens provides remarkable depth of focus and well exposed negatives.

List Price . . . \$85.00

With Carl Zeiss f2 Lens in Compur

Fitted with Carl Zeiss Biotar lens of F:2 speed, 5 times faster than F:4.5, mounted in Compur shutter. Fine for all types of speed photography.

List Price . . \$100.00

Leather Carrying Case

Genuine all leather carrying case for any of the above cameras. An essential protection for your camera.

\$3.50

Optochrome Yellow Filter

Yellow filter for holding back the blue rays, for cloud effect and color correction on panchromatic film.

\$2.50

FULL VEST POCKET SIZE Steinheil Speed Camera

IMAGINE the finest type of roll film camera you know of, reduce it to miniature size and you have this fine Steinheil High Speed, precision built full vest pocket size miniature camera. Lens and shutter equipment, structural features, accessibility—all are offered in the finest quality making this fine Steinheil Speed camera one of the outstanding values of the day.

Self Erecting Model

With this fine camera, all you do is press a button and automatically it springs open to proper picture taking position. Focusing is accomplished by turning the lens in or out on its threaded flange. The lens and shutter is rigidly mounted to the front standard, which, due to the cross-arm bracing structure is held rigidly in true focal plane with the film surface.

Finest Precision Construction

Its fine precision construction assures utmost accuracy in its mechanical design. The back is hinged for easy access to the spool loading clips. The beautiful finish of these cameras is reflected in the fine pin grain seal leather covering, the all metal case with its highly nickel-plated trimmings, and its swanky, compact appearance when folded.

Compur Shutter

In keeping with the many fine features of these cameras is the new style Compur shutters, with which they are equipped. Of accurate, watch-like construction they provide a range of exposure speeds of 1 to 1/300th of a second, as well as time and bulb. Adjustments for lens stop, shutter speed and focusing all conveniently arranged at the front.

Ultra Speed Lens

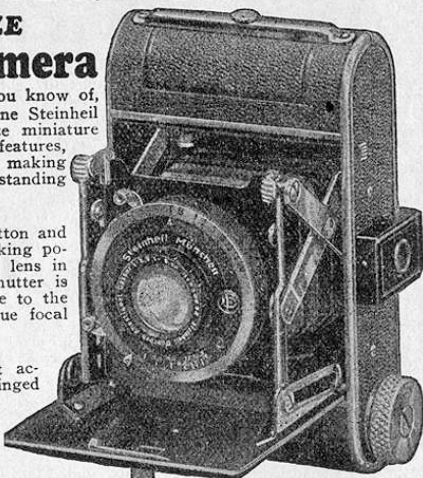
Fitted with a genuine Steinheil F:3.8 Cassar ultra speed lens of 2 3/4" (70mm.) focal length. Fully corrected, of extremely flat field and of exceptional covering power. Its ultra speed makes you independent of light conditions and adapts the camera for use in high speed action photography. Also furnished with a low priced Actinar anastigmat of F:4.5 speed in Pronto self-timing shutter.

With F:4.5 Anastigmat Lens in Pronto Self Timing Shutter

LIST PRICE \$25.00
Discount 35% **\$16.25**

Net to you, only . . .

Color Screen, net. . . . \$1.00
Leather Carrying Case for above camera, net.75



Pictures 1 3/4" x 2 1/2"

Uses standard 8 exposure vest pocket size roll film giving 8 pictures 1 3/4" x 2 1/2" (4x6.5cm.) to the roll. Prints are of ample size for direct contact prints and enlargements of many diameters are possible without apparent loss of detail.

With Steinheil F:3.8 Cassar Lens in Compur Shutter

LIST PRICE \$40.00
Discount 35% **\$25.95**

Net to you, only . . .

Color Screen, net. . . . \$1.50
Leather Carrying Case for above camera, net.75

NEW STEINHEIL BABY CAMERA

F:4.5 High Speed Lens Equipment

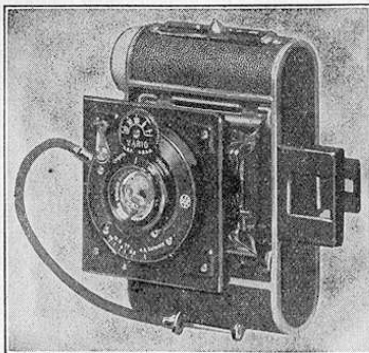
A popular priced miniature camera fitted with a high speed F:4.5 lens, genuine Vario shutter and a host of refinements seldom found in a camera selling at so low a price. It offers big camera advantages with small camera convenience at a popular price.

Vario Shutter

Fitted with a genuine Vario shutter. Three exposure speeds to 1/100th of a second are provided as well as time and bulb. Complete with antinous release. The folding sight finder provides for quick and accurate sighting.

Uses Regular Vest Pocket Film

Provides sixteen exposures on standard vest pocket roll film. It is a real vest pocket model measuring only 3 inches wide by 4 inches long by 1 1/2 inches thick when folded, and weighs only 11 oz. Precision construction throughout.



Picture Size
1 3/16" x 1 9/16"

The picture size of 1 3/16" x 1 9/16" inches, 16 pictures from the standard 8 exposure vest pocket roll film makes for real economy in operation. Enlargements for the album may be made of those negatives that strike your fancy.

Fine Finish

All metal camera body leather covered. Its small compact size and light weight makes it ideal for trips, vacations, hikes, etc. It is self erecting springing into proper position for taking pictures at the touch of a button.

LIST PRICE \$16.90
Discount 35% **\$10.98**

Net to you, only . . .

Leather Carrying Case for above, net. . . . \$.75
Color Screen, net.1.00

THE KORELLE MINIATURE CAMERA

THE PRECISION, AUTOMATIC ROLL FILM CAMERA

With
f2-f2.9-f3.5
Speed Lenses



A miniature camera that combines speed with utmost operating simplicity. It has many features that will commend it to the novice as well as the more advanced camera enthusiast. Its optical and shutter equipment are of the finest.

SELF ERECTING FEATURE—Just Press a Button

Focusing can be done while the camera is closed—the shutter set—then all you do is press a button and instantly, automatically the camera springs open to proper focal setting—the view finder is ready—all you do is aim and snap. Could anything be simpler?

Sixteen Pictures on Vest Pocket Size Roll Film

Pictures one-half standard vest pocket size means 16 negatives from regular eight exposure roll film. That's real economy for you. And the high speed F:2.9 Steinheil Cassar lens means 16 needle sharp negatives. Picture size 1 1/2" x 1 1/4" inches (3x4cm.)

Economical—

The low original cost of the Korelle finds its counterpart in the use of vest pocket size roll film—giving 16 exposures at the normal cost of eight—real economy.

Outside Focusing for Speed

Outside focusing is accomplished by the use of a radial focusing lever traversing a calibrated strip providing a lens movement for focusing objects from 1 foot to infinity.

Fine Finish

Leather covered metal case with edging and trim in highly nickel-plated metal. Hinged back simplifies film loading. A camera that you would be proud to own.

Compur Shutter—The high speed self-timing Compur shutter provides exposure speeds of one to 1/300th second as well as time and bulb. All controls accessible while camera is folded.

Korelle Miniature Camera

With Carl Zeiss Tessar F:3.5 lens in Compur Shutter.

LIST **\$55.00**
Net only **\$36.50**

Korelle Miniature Super Speed

With Xenon F:2 lens in Compur Shutter.

LIST **\$65.00**
Net only **\$42.50**

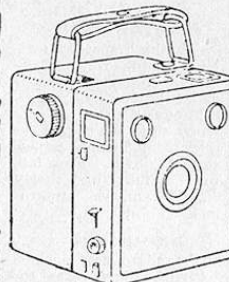
Korelle Miniature Camera

With Steinheil F:2.9 Cassar anastigmat in Compur Shutter.

LIST **\$39.00**
Net only **\$25.35**

ERA COMPACT BOX CAMERAS

A NEW STYLE MINIATURE CAMERA



ANYBODY can make good pictures with these fine Era Compact Box cameras right from the start. They are of miniature design and offer all the economy of the miniature type of camera. They should not be confused with the ordinary type of box cameras.

Sharp Pictures Without Focusing

In these fine Era Compact Box cameras focusing is dispensed with entirely. The imported double lens is stopped down permanently to bring into focus all objects from four feet and beyond. It reduces fine picture making and snap-shot work to the utmost simplicity. View finders are provided for both vertical and horizontal positions.

Easy to Use

Era Compact Box cameras are highly recommended to the beginner in photography who desires good results at a minimum of cost. They provide 16 exposures on regular 8 exposure vest pocket size roll film.

Beautiful Finish

Beautifully finished in black leatherette with highly nickle metal trim. A beautiful leather carrying case is also available. The beautiful pictures this camera produces will surprise you.

New Fast Double Lens

Era Compact Box cameras are fitted with highest grade imported double lenses of F:9 speed. They are provided with two diaphragm stops in addition to bulb and time exposures.

Picture Size 1 3/16 x 1 9/16 inches

The picture size of 1 3/16 x 1 9/16 inches makes for utmost economy in operating expense. Sixteen exposures are secured from the standard 8 exposure vest pocket roll film. The negatives may be enlarged many times without loss of detail.

LIST **\$3.15**
Price

Trade Discount 25%;
Three 35%.

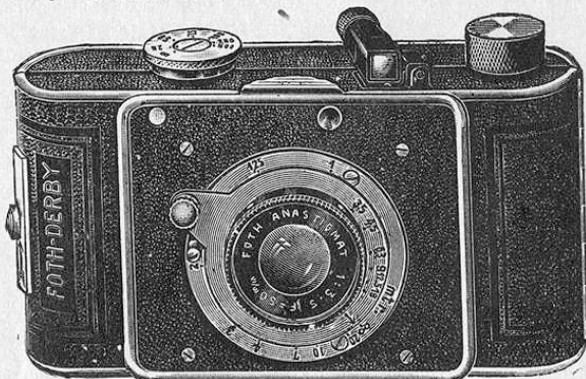
Genuine Leather Case, net \$1.00

FOTH DERBY MINIATURE CAMERA

THE new Foth Derby camera holds a pre-eminent position in the miniature camera field both here in America and on the continent where its fine precision construction—its exceptional optical equipment and its fine focal plane shutter have endeared it to all serious minded photographers—both professional and amateur.

With
F:2.5
Lens

Focal
Plane
Shutter



With
F:3.5
Lens

Focal
Plane
Shutter

THE SUPER SPEED PRECISION CAMERA

In the Foth Derby precision construction reaches a new height of perfection—with such advanced features as to assure the novice of exceptional results. It produces those brilliant, crispy pictures—hair sharp negatives that stand tremendous enlargement without apparent loss of detail. Yet, it offers that real operating economy for which the miniature is noted.

F:2.5 Anastigmat Speed Lens

Fitted with an ultra speed special F:2.5 anastigmat lens—a lens that is fully corrected, having a circle of confusion within exceptionally narrow tolerances, providing astounding depth of focus even when used wide open.

Superspeed

The F:2.5 aperture of this lens opens up a vista of new photographic possibilities to the owner. Stage scenes under regular stage lighting are possible—night street scenes, etc., are all within the scope of this super fine camera.

Simple in Use

A threaded lens mount is calibrated for focusing from 3½ feet to infinity—rigidly constructed keeping the lens in perfect focal plane with the film.

With Special F:2.5 Lens

Complete camera as described with Special F:2.5 lens and focal plane shutter. A splendid value.

\$39.00 Value **\$26.50**
Net Only . . .

Focal Plane Shutter

The Foth focal plane shutter is of the slit curtain type with roller tensions to provide exposure speeds ranging from 1/25th to 1/500th second, also bulb or time exposure—with that positive accurate action that makes it ideal for all types of high speed photography. Speed indicator and winding action in one control.

Optical View Finder

The optical view finder is of the magnifying type showing a brilliant image—making it the work of a fraction of a second to sight your object and center it in the field of view.

Sixteen Pictures on Vest Pocket Size Roll Film

Uses standard vest pocket roll film producing 16 pictures on regular 8 exposure film. Picture size is 1½x1 inch—small enough for real economy—large enough for fine enlargements.

Needle Sharp Negatives

Produces those needle sharp, crispy negatives that stand tremendous enlargement—16 such negatives on every roll of 8 exposure vest pocket film.

Beautiful Finish

All metal case, attractively leather covered with nickel finish metal edging and trim. All controls readily accessible—easy to load or unload.

With Foth F:3.5 Lens

Complete camera as described with Foth F:3.5 lens and focal plane shutter. A fine outfit.

\$30.00 Value **\$17.50**
Net Only . . .

F:3.5 Anastigmat Speed Lens

Fitted with the fully corrected Foth F:3.5 anastigmat lens of 2 inch (50cm.) focal length. A sharp, clean cutting lens that covers the entire film—no falling-off of light at the extreme edges.

For Action Photography

The high speed of this lens adapts it for use in all types of speed and action work. Exceptional depth of focus when used wide open—critical definition when stopped down. Fine for use in making those candid camera studies now so much in vogue.

Economical

Using standard vest pocket film—giving 16 pictures to the roll assures minimum upkeep expense, and the low original cost is a notable feature.

THE NEW PRIMARETTE CAMERA

REGULAR \$75.00 VALUE
Net to you, only

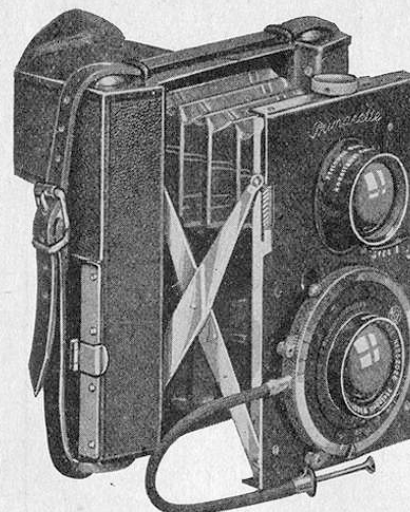
\$44.50

A SPECIAL VALUE

A new departure in miniature camera design making use of a tandem optical and double bellows arrangement; one for taking the picture—the other for focusing. It is of full vest pocket size, producing 8 pictures 1½x2½ inches (4.5x6cm.) on all standard makes of 8 exposure vest pocket roll film.

A Marvel of Perfection in Miniature Design

The Primarette is a precision instrument of the first rank. Its design is the work of experts. Its double lens arrangement provides ground glass focusing right up to the instant of exposure. Those fuzzy "out-of-focus" pictures are eliminated. In the Primarette you see what you get—you get what you want every time. And the high speed F:2.9 lens makes you independent of light conditions.



Folds Compactly

Unique design in the Primarette is reflected in its compactness. It is of the semi-automatic erecting type, swinging into position for picture taking by simple pressure on a button.

Ground Glass Special Focusing Arrangement

The hooded ground glass back with its separate bellows and matched lens provides a focusing system that is entirely independent of the picture making lens and bellows. With both lenses mounted on the same standard, perfect synchronization of movement is secured—and if the picture is sharp on the ground glass, your negative will be just as sharp.

You Get What You See

Simplicity of operating controls plus the unique focusing arrangement in the Primarette is practical assurance of better negatives, snappy brilliant prints.

Sharp, Snappy Negatives

Negatives from the Primarette are critically sharp—they carry a wealth of detail. They stand enlargement of many diameters without apparent loss of detail. The camera body is of all metal construction, attractively leather covered. Double leather bellows. Exposed metal parts in black enamel or highly nickleplated finish.

Economical

Economical, both in original cost and upkeep, yet, capable of the finest results in picture making. Prints made with the Primarette will prove a cherished possession in years to come for their clean, snappy appearance and minute detail.



With Steinheil F:2.9 Ultra Speed Lens

The lens that takes the picture is a genuine Ultra Speed F:2.9 Steinheil Cassar of 3 inch (7.5cm.) focal length. Its focal length is accurately matched to that of the focusing lens permitting critically sharp focusing. The super speed Steinheil lens is fully corrected—of extremely flat field and of critical sharpness. Its extreme speed assures well exposed pictures under any condition of light—and for action photography, arresting motion, it cannot be excelled.

Compur Shutter

The Compur self-timing shutter is a marvelous precision mechanism of watch-like construction and accuracy. It provides exposure speeds up to 1/300th of a second as well as time and bulb. It can be instantly set for lens stop, focus and exposure.

Picture Size 1½x2½ in.

The convenient picture size of the Primarette gives pleasing prints of ample size for album mounting, yet, small enough for real economy in upkeep cost. The cherished negatives that you get can always be enlarged to any desired size for framing, etc. Furnished complete with shoulder strap and convenient carrying strap. It's a real value at our special price.

Better Pictures

The pictorial worker and advanced amateur will be quick to appreciate the many qualities to be found in the Primarette. And no matter what branch of photography you follow—the Primarette will answer your purpose in grand style.

LIST PRICE \$75.00

NET ONLY

\$44.50

The New Voigtlander Brilliant

A POPULAR PRICED REFLECTING CAMERA

HERE is the answer to that great popular demand for a medium priced reflecting mirror camera. You look into the reflecting finder and see exactly the picture you are going to get—in actual picture size—right side up—and right up to the instant of exposure. You get what you see every time.

Picture Size $2\frac{1}{4} \times 3\frac{1}{4}$ "

Uses standard $2\frac{1}{4} \times 3\frac{1}{4}$ roll film, producing ten needle sharp negatives measuring $2\frac{1}{4} \times 2\frac{1}{2}$ inches (6x6cm.) from each roll, making for real economy in operation, yet, providing negatives of ample size for contact prints.

F:4.5 or F:7.7 Anastigmat Lenses

Fitted with genuine anastigmat lenses of F:4.5 or F:7.7 aperture. They are fully corrected, of exceptional covering power and critical definition. They produce those sharp snappy negatives so full of detail and at speeds ample for all normal picture taking requirements. The new style shutter is of a new automatic design, simple in operation and positive in action.

With f4.5 Lens With f7.7 Lens

\$29.50 **\$12.50**

A fine leather carrying case with shoulder strap for these cameras at \$2.50 list extra.



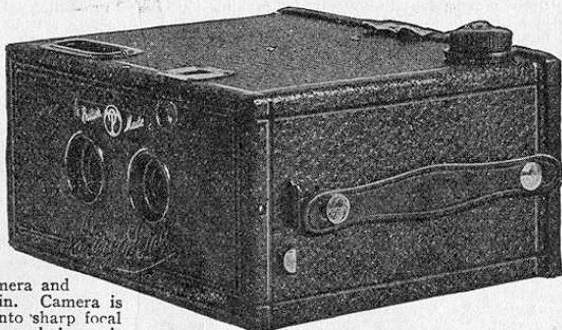
Stereo Puck Cameras

Life-like Pictures

Now, Stereo pictures that you make yourself—those fine life-like pictures that stand out in strong relief and bring in a third dimension of depth. The camera is of exceptionally fine construction, having a synchronized shutter arrangement that assures identical exposure to both units of the double frame.

Standard Film

Uses any standard make of No. 120 roll film in the popular $2\frac{1}{4} \times 3\frac{1}{4}$ inch size. No special equipment is required. Operation is as simple as any box camera and the fine results are just as certain. Camera is of the fixed focus type bringing into sharp focal range all objects from six feet and beyond.



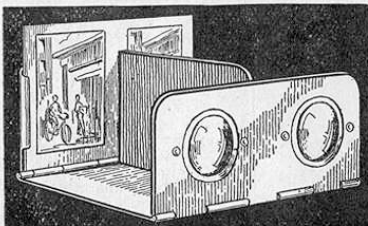
A New Picture Making Thrill

Never before have you been offered a finer Stereo camera at so low a price. There's a real thrill in photographing your friends and family, those gay vacation scenes, etc., with the new Stereo Puck camera. The fine matched lenses assure matched pictures that are taken from the proper angle of view for perfect stereopticon results.

Complete as Illustrated

Complete camera and Viewer as described.
A real value at this low price.

List Price, only..... **\$7.50**



THE NEW LEICA MODEL D

F:3.5 ELMAR LENS

BUILT-IN RANGE FINDER FOCAL PLANE SHUTTER

A really high grade miniature camera that is setting a pace in performance and fine photographic work in every field. It incorporates a host of refinements, fine optical equipment, focal plane shutter, built-in range finder, and automatic focusing.

Automatic Focusing

In the Leica Model D, the built-in range finder is automatically coupled to the lens, and as you establish the range so do you bring the lens into focus.

Interchangeable Lenses

Seven interchangeable lenses are available for use with the Leica adapting the camera to every conceivable type of photographic work, and these with the many other accessories that may be had make the Leica a truly universal outfit.

Uses Standard 35mm. Cine Film

Uses standard 35mm. film, producing double frame negatives of such critical definition that enlargements up to 11×14 " retain a surprising wealth of detail. 30 to 36 pictures on one loading makes for real operating economy. The focal plane shutter provides speeds up to 1/500th second and time exposures.

Model D Leica

In the Leica, when you set the shutter, you wind the film. Double exposures are impossible. Despite the fineness of construction and the versatility of the camera, it is extremely simple in operation. The ultra speed F:3.5 Elmar 2-inch lens is furnished.

LIST PRICE, **\$92.50**
ONLY.....

Special Fine Grain Perutz Film for Leica, per 36 exposure roll..... **90c**

Standard Leica

Similar to the model D Leica with the exception of the built-in range finder. It is equipped, however, with a new type, short base range finder mounted horizontally on the camera. May be converted to the Model D at a total cost no higher than the regular Model D.

LIST PRICE, **\$66.00**
ONLY.....

Special High Speed Persenon Film for Leica, per 36 exposure roll..... **90c**

Trade in Your Old Camera for a New Leica

Your old camera has a real trade-in value on a new Leica Model D. Write us fully describing your present camera, or if possible, send it in to us and we will forward you a liberal offer.

— STANDARD ACCESSORIES FOR THE LEICA —

— LEICA LENSES —

35mm. F:3.5 ELMAR

A high speed wide angle lens, covering an angle of 65 degrees. Sharp cutting, fully corrected. LIST..... **\$34.50**

50mm. F:2.5 HEKTOR

A highly corrected super-speed anastigmat, twice as fast as the standard F:3.5 lens, fine for all types of action work. LIST..... **\$52.00**

73mm. F:1.9 HEKTOR

An ultra-speed anastigmat of long focal length, ideal for action and newspaper work. LIST..... **\$115.50**

105mm. F:6.3 ELMAR

A light telephoto lens ideal for all forms of telephoto work of medium magnification. LIST..... **\$43.00**

135mm. F:4.5 ELMAR

A telephoto lens of extreme magnification and large aperture. Fine for naturalist work. LIST..... **\$62.50**

LEICA UNIVERSAL ENLARGER

For 35mm. Film

The Leica Universal Enlarger, designed for use with miniature negatives, and applicable for use with all standard 35mm. or smaller strip negatives. Gives maximum illumination with equal diffusion of light.

EFFICIENT CONDENSERS

Its highly efficient condenser system emits parallel rays that pass through the negative without magnifying grain or mechanical defects.

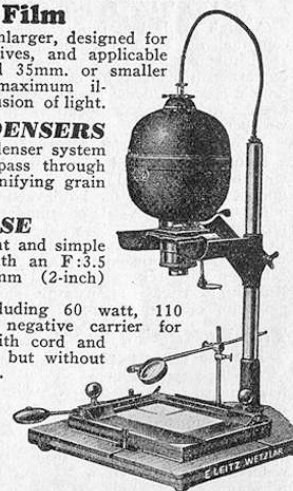
EASY TO USE

Compact, light in weight and simple to operate. Equipped with an F:3.5 Anastigmat lens of 50mm (2-inch) focal length.

Complete enlarger including 60 watt, 110 volt Nitra Opal lamp, negative carrier for Leica film and switch with cord and plug and F:3.5 objective, but without easel for holding paper.

A real value.

LIST PRICE
\$51.00



The New Mentor Compur Reflex

THE advanced amateur who is looking for the exceptional in fine camera design will be delighted with the many outstanding features to be found in the new Mentor Compur Reflex camera. The reflecting mirror shows you just what you are getting in your picture—enables you to arrange its composition and most important of all, it enables you to focus your subject critically sharp—to determine the depth of focusing you secure at any given lens stop.

Ultra Speed Compur Shutter

The built-in Compur shutter is constructed with watch-like precision. It provides exposure speed ranging from 1 second to 1/200th of a second with time and bulb. The shutter action is synchronized with the reflecting mirror assuring positive exposure action.

Picture Size 2 1/4 x 3 1/4

The picture size of 2 1/4 x 3 1/4 inches is large enough to produce beautiful contact prints—yet small enough for real economy.

Compact Design

The compact design and beautiful finish of these cameras makes them a favorite wherever shown. Camera measures 5" x 4 3/4" x 4"—small enough to be out-of-the-way, large enough to do a real job in fine picture making.

For Better Pictures—

The Mentor Compur Reflex camera is recommended to the serious minded photographer who is satisfied with nothing short of the best. Equipment includes ground glass focusing back, film pack adapter, three plate holders and attractive hand sewn sole leather carrying case.



Steinheil F:3.5 High Speed Lens

Fitted with a genuine Steinheil F:3.5 anastigmat lens of 4 inch (10.5cm.) focal length in high speed Compur shutter. The extreme speed of this lens makes possible well exposed negatives under the most adverse light conditions.

Easy to Operate

The normal holding position of the camera for picture taking automatically places at your finger tips the operating controls. Focusing is accomplished by turning the lens barrel in or out.

Beautiful Finish

The all metal body is attractively leather covered. Crystalline finish metal front fitted with auxiliary telescoping wire view finder. Heavy rigid construction, yet light in weight. Handy straps provided for carrying.

A REXO SUPER VALUE

The outstanding quality of the Mentor Compur Reflex cameras—the fine optical and shutter equipment plus the reflex focusing feature makes these cameras a splendid value at our low price.

List Price \$90.00

Discount 35%

NET TO YOU . . .

\$58.50

Color Filter for above, net.....	\$2.00
Gradated Sky Filter, net.....	2.50
Fine Grain Roll Film, per roll, net.....	.30

NEW ERA Double Lens BOX CAMERAS

A QUALITY CAMERA

2 1/4 x 3 1/4 Inch Size

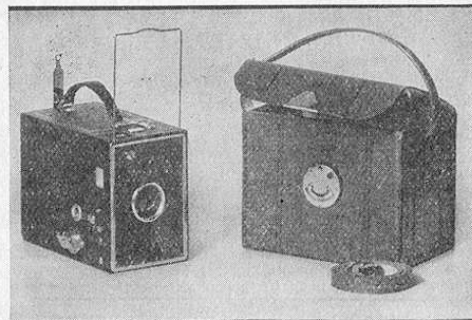
A high grade box type camera of exceptional design and capable of producing beautiful pictures. For simplicity in operation it cannot be excelled. The double element lens is fast enough to assure well exposed negatives in good weather.

Attractive Finish

Beautifully finished in imitation leather with black enameled metal trim. View finders are provided for both vertical and horizontal pictures. Uses standard roll film in the popular 2 1/4 x 3 1/4 inch size. Provision is also made for either instantaneous or time exposures. Antinous cable or wire release can also be used. Built-in portrait lens instantly slides in place for close-up figures.

The Better Type Box Camera

The box type camera has earned a well deserved popularity for simple snap-shot work. Its fixed focus and predetermined shutter speed reduces failures to a minimum.



GOOD SHARP PICTURES ALWAYS

These high grade New Era cameras place within everyone's reach the pleasures that are to be found in picture making. Simple and easy to operate—no complicated parts—they represent a real contribution to the advance of photography at a popular price. An outstanding value at this low price.

LIST \$6.00—DISCOUNT 35%—NET

\$3.90

Leather Carrying Case for Above Cameras

Beautiful sole leather carrying case with nickel plated snap catch, hand carrying strap for above camera, NET **\$1.50**

..FOTH ROLL FILM CAMERAS..

THE QUALITY CAMERA

These beautiful roll film cameras represent an outstanding value at the low prices we are quoting. Fitted with high speed anastigmat lenses, they offer at a reasonable price, picture making possibilities that you would expect to find only in cameras selling at a much higher price. Their fine design and beautiful finish, coupled with their fine lens and shutter equipment stamps them out as real leaders in high grade roll film cameras.

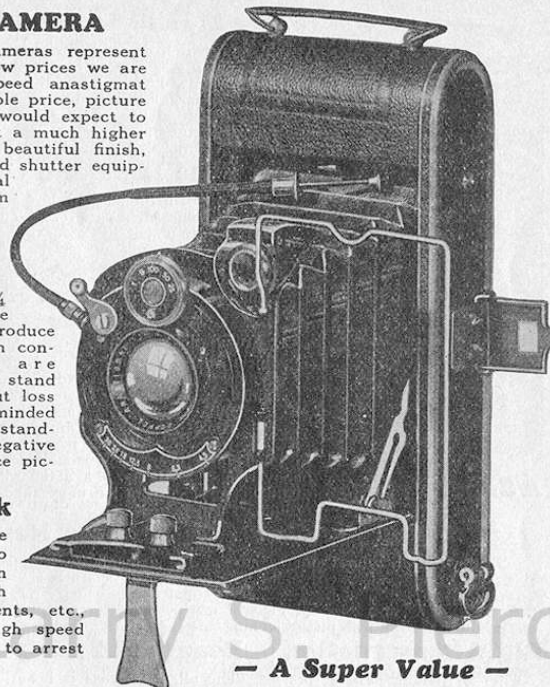
PICTURE SIZE

2 1/4" x 3 1/4" (6x9cm.)

Built in the popular 2 1/4 x 3 1/4 inch (6x9cm.) size, they are economical in upkeep—yet produce negatives of pleasing size from contact printing—negatives that are so sharp and clean that they stand tremendous enlargement without loss of detail and the serious minded amateur desiring pictures of outstanding quality will, with the new negative materials now available produce pictures of surprising beauty.

High Speed Work

The fine lens equipment of these quality cameras adapts them to all forms of speed and action photography. Street scenes with moving subjects, sporting events, etc., can all be handled—the high speed lenses and shutters, combining to arrest all motion.



— A Super Value —

THE ROLL FILM CAMERA OF SUPER QUALITY

THE fine lens and shutter equipment of these fine Foth Roll Film Cameras adapts them for a wide range of hand camera work. They are of the focusing type having a calibrated scale graduated for distances from 5 feet to infinity. Focusing is accomplished by a unique arrangement of a radial dial having a spring tension for automatic stop at each position. Rigid all metal, leather covered case with heavy metal lens standard. Fitted with collapsible, reversible view finder and accurate wire finder.

Fine Lens Equipment

Available with fine anastigmat lenses of F:4.5 aperture—of ample speed to assure well exposed negatives under the most trying light conditions. These lenses are fully corrected.

Economical

The picture size, 2 1/4 x 3 1/4 inches makes for real economy in operation. Film expense is reduced to a minimum. The prints are ample in size for album mounting—and the negatives will stand tremendous enlargement.

Easy to Use

Foth Roll Film Cameras are extremely simple in operation assuring the novice of good pictures. All controls are readily accessible and of easy manipulation.

Beautiful Finish

All metal case of rigid construction, covered with pin grain black leather. Light in weight. Highly nicked metal trim. A unique slide-out arrangement makes all parts readily accessible for convenient loading.

Better Pictures

Fine pictures are the rule rather than the exception with these fine Foth Roll Film Cameras. Their many new features and refinements adapt them for a wide range of hand camera work—and for regular snap shot work they are supreme.

PRICES QUOTED BELOW SUBJECT TO DISCOUNT OF 35%

With Foth F:4.5 Anastigmat Lens—Foth Shutter

Fitted with genuine Foth Anastigmat F:4.5 lens of 4 1/4 inch (10.5cm.) focal length with special Foth shutter providing exposure speeds of 1/25, 1/50 and 1/100 seconds as well as time and bulb. A splendid value at this price.

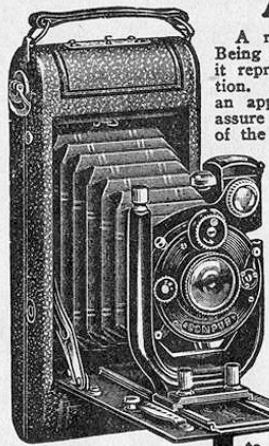
List Price Only **\$18.50**

With Carl Zeiss F:4.5 Tessar in New Compur Shutter

Fitted with the famous Carl Zeiss Tessar F:4.5 lens of 4 1/4 inch (10.5cm.) focal length in the new type self-timing Compur shutter, providing speeds of 1 to 1/300th second, time and bulb. The acme in lens and shutter equipment.

List Price Only **\$40.00**

Steinheil Roll Film Cameras • A BARGAIN SPECIAL



A real innovation in roll film camera design. Being a product of the famous Steinheil manufacture it represents the utmost in fine camera construction. For ordinary hand camera work it offers an apposing array of advantageous features that assure fine brilliant pictures—in either the hands of the novice or the experienced photographer.

Fine Lens and Shutter Equipment

Fitted with high speed F:4.5 lenses of the true anastigmat type, they combine ultra speed with full image correction. The high speed shutter equipment is accurately timed and of sufficient speed to arrest motion, placing action photography well within the range of these fine cameras. Rigid construction and beautiful finish coupled with the fine optical and shutter equipment makes these cameras an outstanding value at these low prices.

Better Pictures

Where better pictures are the object these Steinheil Roll Film Cameras are recommended. Designed by experts whose paramount thought was the construction of a camera in which every detail necessary to good picture making would not be overlooked. Built to a standard of quality, yet costing no more than ordinary cameras.

Adjustments

All Steinheil Roll Film Cameras are of the focusing type, provision being made to bring objects with sharp focus from five feet to infinity. A real innovation is provided in the radial focusing adjustment, which consists of a calibrated thumb nut with milled edges. It simplifies focusing and assures sharp, clean cut pictures.

A Super Value

Outstanding Quality at a New Low Price

Steinheil Roll Film Cameras answer the demand for a universal type roll film camera adaptable to the more advanced and serious types of snap-shot and time photography. Their many fine adjustments—their rigid compact construction—their fine lens and shutter equipment makes them the ideal camera for all general work. They are a lifetime instrument—that will keep right on producing beautiful pictures, long after the price has been forgotten.

Rigid Construction

The all metal case is exceptionally rigid, yet, light in weight. The U shaped lens standard rides in a heavy metal track keeping the lens in perfect focal plane with the film. A reversible brilliant view finder is provided as well as a wire finder.

Beautiful Finish

The all metal case is beautifully covered in black seal grain leather. Highly finished metal banding edges off the entire camera adding to its attractive appearance and protecting the leather covering from wear. All exposed metal parts in black enamel or highly nickelled finish.

Easy to Use

All are equipped (except the $3\frac{1}{4} \times 5\frac{1}{2}$ size) with the new self-timer Compur Shutters providing exposure speeds of 1 to 1/250th second, also time and bulb. The new self-timer feature retards the trip of the shutter enabling the operator to take his own picture—a feature that many amateurs will appreciate.

$2\frac{1}{4} \times 3\frac{1}{4}$ —F:4.5 Speed Lens

Equipped with a genuine Steinheil F:4.5 Unofocal Anastigmat lens of $4\frac{3}{8}$ (10.5cm.) focal length mounted in self-timing Compur shutter, having exposure speeds of 1 second to 1/250th second as well as time and bulb. A real value.

\$24.50

Genuine Leather Carrying Case for above.....\$2.50
Special 4 section Metal Tripod.....3.50

$2\frac{1}{2} \times 4\frac{1}{4}$ —F:4.5 Speed Lens

Fitted with genuine Steinheil Unofocal F:4.5 high speed Anastigmat lens of $5\frac{7}{8}$ (13.5cm.) focal length in genuine Compur self-timing shutter, providing exposure speeds of 1 second to 1/250th second as well as time and bulb.

\$34.50

Genuine Leather Carrying Case for above.....\$3.00
Special 4 section Metal Tripod.....3.50

$3\frac{1}{4} \times 4\frac{1}{4}$ —F:4.5 Speed Lens

Fitted with genuine Steinheil F:4.5 Unofocal Anastigmat of $5\frac{7}{8}$ inch (13.5cm.) focal length mounted in Compur self-timing shutter as described. A splendid value in a fine camera.

\$42.50

Genuine Leather Carrying Case for above.....\$3.50
Special 4 section Metal Tripod.....3.50

$3\frac{1}{4} \times 5\frac{1}{2}$ —F:4.5 Speed Lens

Equipped with genuine Steinheil Unofocal F:4.5 Anastigmat lens of 6 inch (15cm.) focal length mounted in Compur high speed shutter with speeds of 1 second to 1/200th second, also time and bulb. An exceptional outfit for fine picture making.

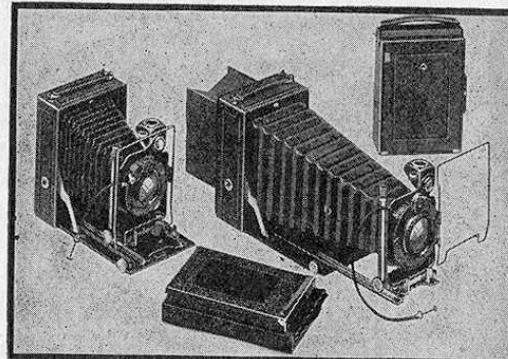
\$55.00

Genuine Leather Carrying Case for above.....\$4.00
Special 4 section Metal Tripod.....3.50

TRADE DISCOUNT 35%; THREE OR MORE 40%.

PRECISION PLATE CAMERAS

THESE fine cameras win the instant admiration of all camera enthusiasts. Their appeal is uniform to amateur or naturalist, the pictorial worker, the commercial or portrait enthusiast or in the hands of the snap-shot novice, with all who take good pictures these fine cameras have earned their reputation through the quality pictures they produce.



FOR PLATES AND FILM PACKS

Accommodating either plates or film packs, they open up a tremendous field in fine photography, placing at the operators disposal the use of the markets great array of plates for special purposes and effects—or ready for snap-shot work instantly, with the standard film pack.

Picture Size $3\frac{1}{4} \times 4\frac{1}{4}$ in. (9x12 cm.)

The picture size 9x12cm. or $3\frac{1}{4} \times 4\frac{1}{4}$ inches enjoys a well deserved popularity — providing contact prints of pleasing size, yet small enough to be economical in operation. The sharp clean cut negatives may be enlarged many diameters and still retain all the qualities of the original contact print.

A DeLuxe Model Camera

Built to precision standards by master camera craftsmen, these fine cameras are a revelation in operating efficiency—compact design and rigid fool-proof construction. Their fine optical equipment adapts them to all difficult types of photography, the fine shutter equipment, many adjustments, etc., makes them the choice of all discriminating camera enthusiasts. Now they are available at prices never before thought possible. You should no longer deprive yourself of the many advantages these fine cameras open to you while these low prices are in effect. Their all metal case is attractively covered in pin grain leather. All metal parts are accurately machined and highly finished.

All New Refinements

The many adjustments include a rising and falling front with special side swing adjustment. Double extension leather bellows 12 inches long, on rigid metal track with positive geared rack and pinion focusing. Reversible brilliant and wire view finders, spirit level. Ground glass focusing screen—nothing essential to good photography has been overlooked.

Quality

Outstanding quality is combined with real operating efficiency in these fine precision built cameras. They are splendid values.

Ground Glass Focusing

A special ground glass focusing back is provided, permitting critically sharp focusing. It enables the operator to see just what he is getting in the picture—to arrange the composition and to determine the depth of focus at any given lens stop. Tripod sockets are provided for both vertical and horizontal positions.

Super Value

These cameras offer you the many refinements and structural details that you would look for in the highest priced cameras.

Precision Construction

Being available with the finest in lens and shutter equipment they offer the utmost in a fine camera at a reasonable price. Speedy accurate shutters assure fine results in action and speed photography. The high speed lens assures well exposed, crispy and sharp negatives under the most difficult light conditions.

• • PRICES QUOTED BELOW ARE NET • •

With Rodenstock f4.5 Lens - Vario Shutter

Fitted with Rodenstock F:4.5 Anastigmat lens of $5\frac{1}{2}$ inch (13.5cm.) focal length in genuine Vario shutter providing speeds of 1/5th to 1/100th of a second as well as time and bulb. Complete with ground glass focusing back, film pack adapter and three plate holders.

LIST PRICE \$30.50
Less 35% Discount

Net to You **\$19.80**

With Unofocal F:4.5 in Compur Shutter

Fitted with the wonderful Steinheil Unofocal F:4.5 anastigmat lens of $5\frac{7}{8}$ (13.5cm.) focal length with new style self-timing Compur shutter providing exposure speeds of 1 second to 1/300th of a second as well as time and bulb. Furnished complete with ground glass back, film pack adapter and 3 plate holders.

LIST PRICE \$45.00
Less 35% discount

Net to You **\$29.25**

With Unofocal F:4.5 in Ibsor Shutter

Fitted with the famous Steinheil Unofocal F:4.5 anastigmat lens of 6 in. (15cm.) focal length, with genuine automatic Ibsor shutter providing exposure speeds from 1 second to 1/100th of a second as well as time and bulb. Furnished complete with ground glass back, film pack adapter and 3 plate holders.

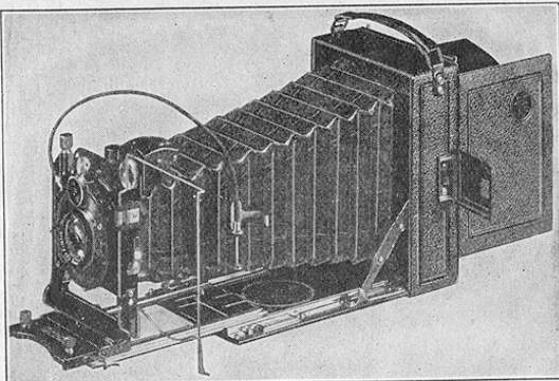
LIST PRICE \$50.00
Less 35% discount

Net to You **\$32.50**

STEINHEIL 9x12cm. (3 1/4"x4 1/4") CAMERAS

FOR PLATES AND FILM PACKS

AN imported camera that represents the ultimate in operating efficiency and fine design. Constructed with watch-like precision—extremely accurate and incorporating all the essential adjustments to adapt it to all fine photographic work.



Ground Glass Focusing — Plates or Film-Packs

For Fine Pictures

Fine pictures are only natural from these fine Steinheil cameras and as the proud possession of any amateur they open up a new field of picture making possibilities.

PRECISION CONSTRUCTION

These fine Steinheil Cameras are an outstanding achievement in fine camera design. They are compact, yet offer all the advantages of many large bulky cameras. Their mechanical construction is a revelation in accurate precision construction—fool proof—good for a lifetime of service.

Highest Quality

In Steinheil Cameras quality reigns supreme. They are built to a predetermined standard that places quality above price—yet they cost no more than the ordinary cameras.

Picture Size 3 1/4"x4 1/4" (9x12cm.)

Built in the popular 9x12cm. size, they are furnished with reducing kits to take all standard 3 1/4"x4 1/4" inch plates, cut films, and film packs. This popular size is the recognized standard in fine amateur, pictorial and similar work. Prints are large enough to be effective in their natural size.

With Steinheil Lenses

Offered with genuine Steinheil lens of proven quality and shutter equipment that makes possible high speed and action photography of the highest order. Steinheil lenses represent the outstanding accomplishment of a decade in fine lens design—incorporating extreme focal depth.

SUPER VALUES AT THESE NEW LOW PRICES

Double Extension Leather Bellows

The 12 inch double extension bellows makes possible actual size photographs. The rigid double track and front lens support is adjustable for vertical and horizontal positions. Equipped with spirit level, reversible brilliant view and wire finder—also a ground glass back for critical focusing.

Accurate Ground Glass Focusing

Being fitted with a special removable ground glass focusing screen with hood enables these fine cameras to be used for all critical work. Sharp focusing is assured—you see before hand just what you are going to get.

Needle Sharp Pictures

The critical sharpness of Steinheil Anastigmat lenses makes for crispy, sharply defined negatives that carry a wealth of detail. They are ideal for enlarging.

All Adjustments

The many adjustments provided adapt these fine Steinheil Cameras to all branches of photographic work. The scientist looking for utmost accuracy will appreciate their precision construction.

The amateur and the pictorialist will appreciate their versatility. The sportsman will appreciate their ultra speed.

With Carl Zeiss f4.5 Lens-Compur Shutter

Fitted with genuine Carl Zeiss F:4.5 Anastigmat lens of 5 1/4 inch (13.5cm.) focal length in new type self-timing Compur shutter providing exposure speeds of 1 to 1/200th of a second with time and bulb. Complete with ground glass focusing back, film pack adapter and three plate holders.

LIST PRICE \$65.00
Less 35% Discount

Net to You \$42.25

With Cassar F:3.5 in Compur Shutter

Fitted with genuine Steinheil Ultra Speed Cassar F:3.5 anastigmat lens of 6 inch (15cm.) focal length with the new style Compur shutter offering exposure speeds of 1 second to 1/200th of a second as well as time and bulb. Furnished complete with ground glass back, film pack adapter and 3 plate holders.

LIST PRICE \$68.00
Less 35% discount

Net to You \$44.20

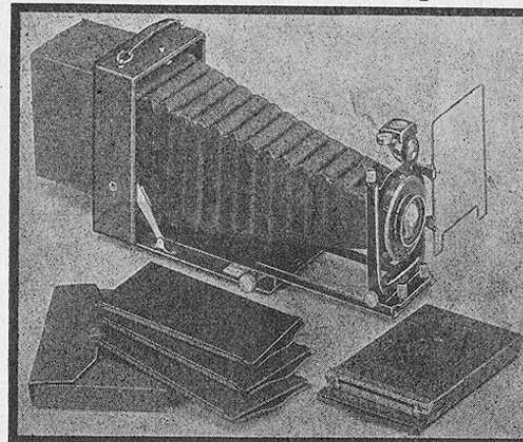
With Xenar f3.5 Lens Compur Shutter

Fitted with the famous Schneider Xenar F:3.5 high speed lens of 6 inch (15cm.) focal length with genuine Compur shutter, providing exposure speeds from 1 to 1/200th of a second with time and bulb. Complete with ground glass focusing back, film pack adapter and three plate holders.

LIST PRICE \$70.00
Less 35% Discount

Net to You \$45.50

Steinheil High Speed Cameras A Precision Camera in the Popular 2 1/4"x3 1/4" (6x9cm.) Size



High Speed Lenses

Fine Precision Construction

For Plates or Film Packs

Focusing Back

Double Extension Bellows

All Essential Adjustments

THE QUALITY CAMERA OF PRECISION DESIGN

NOW, one quality camera for every photographic purpose. The novice, the amateur, the pictorialist and the professional who is looking for a universal instrument in the popular 2 1/4"x3 1/4" inch (6x9cm.) size will appreciate the adaptability of this camera for architectural work, portraiture, interiors, landscapes, sports, newspaper work etc. The camera has been especially designed to enable the user to take full advantage of the unusual lens equipment.

Adjustments—

The lens is mounted in a heavy U shaped standard with provision made for horizontal and vertical movement, a fine feature when photographing interiors or architectural subjects in cramped quarters.

Accuracy—

The double extension bellows rides on an accurately machined track with direct geared rack and pinion focusing. Its substantial construction keeps the lens in perfect focal plane with the film.

HIGH SPEED LENSES

Fitted with high grade lenses of proven merit and recognized quality. Their high speed adapts them to all forms of action photography and places the operator in position to secure well exposed negatives under most any condition of light. The double bellows makes possible the taking of life size pictures.

Recommended for all Branches of Photography

High grade shutter equipment working in conjunction with the high speed lenses adapts these cameras to the most difficult forms of photography. Their popular 2 1/4" x 3 1/4" inch picture size makes for real operating economy.

Equipment—

Regular equipment includes three metal plate holders, ground glass focusing back and a film pack adapter. All parts instantly interchangeable on the back of camera.

Finish—

The all metal camera body is attractively leather covered. Both ionometer and brilliant view finders are provided. Spirit level. All exposed metal parts in black enamel or highly nickled finish. Leather bellows 11 inches long.

With Actinar F:6.3 in Pronto self-timing Shutter

With genuine Actinar F:6.3 lens of 4 3/4" (10.5cm.) focal length in high grade Pronto self-timing shutter providing accurately timed exposure speeds of 1/25th to 1/100th of a second. With three plate holders, film pack adapter and focusing back.

LIST PRICE \$30.00
Discount 35%

NET TO YOU \$19.50

With Cassar F:3.8 in Compur self-timing Shutter

With ultra speed Steinheil Cassar F:3.8 lens of 4 1/4 inch (10.5cm.) focal length in genuine Compur self-timing shutter providing exposure speeds of 1 to 1/200th second as well as time and bulb. Three plate holders, film pack adapter and focusing back.

LIST PRICE \$45.00
Discount 35%

NET TO YOU \$29.25

With Unofocal F:4.5 in Compur self-timing Shutter

With Steinheil high speed universal F:4.5 Unofocal lens of 4 1/4 inch (10.5cm.) focal length in Compur self-timing shutter with exposure speeds of 1 to 1/250th second as well as time and bulb. Three plate holders, film pack adapter and focusing back included.

LIST PRICE \$39.00
Discount 35%

NET TO YOU \$25.35

SPECIAL COMPACT SUPER SPEED OUTFIT

Complete with F:2.9 lens in new style Compur shutter, 3 metal plate holders and film pack adapter.

List Price \$75.00 less 35%—NET TO YOU.....

\$48.75

Genuine Leather Carrying Case with shoulder strap, net...\$3.50

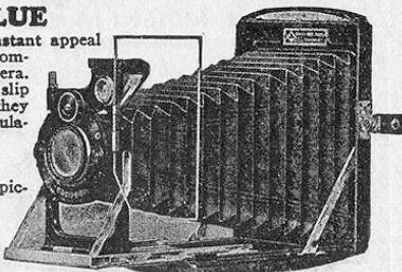
Leather Case, to fit any of the above, net.....\$4.50

STEINHEIL THINNEX CAMERAS**A SUPER VALUE**

These new Steinheil Thinnex Cameras have an instant appeal to the photographer who is looking for utmost compactness as well as real performance in a camera. Their special thin construction permits them to slip into the hip or overcoat pocket unobtrusively—yet, they offer all the operating efficiency and ease of manipulation found in the finest of cameras.

Fine Optical Equipment

Fine optical and shutter equipment impart real picture making qualities while the accurate mechanical construction makes for perfect rigidity in the lens standard—keeping lens and film in perfect focal plane—double extension bellows with direct geared rack and pinion focusing.

**Leather Covered Metal Case**

The all metal leather covered case provides a substantial rigid housing for the lens and bellows. The U shaped lens support is rigidly mounted with rising and falling adjustment. A collapsible and reversible brilliant view finder as well as a wire finder are provided.

Precision Construction

Steinheil Thinnex Cameras reflect that fine precision workmanship and construction that are ordinarily associated with the finest of imported cameras. Accurately machined and assembled, rigidly constructed and properly reinforced at all points of strain they are a life-time camera—an investment in good pictures that will pay dividends for years to come.

EXTRA THIN MODEL

The $3\frac{1}{4} \times 4\frac{1}{4}$ " (9x12cm.) camera measures only $4\frac{1}{2} \times 6\frac{1}{2} \times 1\frac{1}{2}$ inches when folded. Maximum bellows extension 10 $\frac{1}{4}$ inches. The $2\frac{1}{2} \times 3\frac{1}{2}$ inch (6x9cm.) camera measures $3\frac{1}{2} \times 5\frac{1}{2}$ inches when folded. Maximum bellows extension 7 $\frac{1}{2}$ inches. It's everything you expect in a fine camera—plus utmost compactness.

—It Fits the Pocket—**Unique Design**

The camera enthusiast who uses his camera for a wide variety of photographic purposes including snap-shot work would do well to select one of these fine Steinheil Thinnex cameras. The interchangeable back permits the use of either plates, cut film or film packs. A special back adapting the camera for roll film may be had at small additional cost.

A Super Value

In the fine camera field, these justly famous Steinheil cameras and lenses enjoy an enviable reputation. They produce brilliant, crisp negatives and snappy prints of ideal size for the album—yet, small enough to be economical. Their fine optical equipment lengthens the photographic day and makes possible well exposed negatives under adverse light conditions.

Ground Glass Focusing Back

A specially designed ground glass back is provided for critical focusing. It enables you to see just what you are going to get in the picture—the depth of focus at any given lens stop and the composition of your picture. All Steinheil Thinnex Cameras are furnished complete with special focusing back, film pack adapter and three plate holders.

Size $2\frac{1}{4} \times 3\frac{1}{4}$ in. (6x9cm.)
With Steinheil Unofocal F:4.5
Lens—Compur Shutter.

Fitted with genuine Steinheil Unofocal lens of F:4.5 aperture, $4\frac{1}{2}$ " (10.5cm.) focal length, mounted in genuine self-timing Compur Shutter providing exposure speeds of 1 to 1/250th of a second, time and bulb. Film pack adapter, three plate holders and focusing back included.

List Price, Only **\$48.00**
Discount 33 $\frac{1}{3}$ %

With Xenar F:4.5 Lens in
Compur Shutter

Same as above except fitted with a Xenar F:4.5 lens in Compur shutter.

List Price, Only **\$62.50**
Discount 33 $\frac{1}{3}$ %

Carrying case of leather for Steinheil Thinnex, 6x9cm. size. **LIST..... \$3.25**

No. 520 Film pack (12 exposures) for above camera. **LIST..... 50c**

Plenachrome or Verichrome Film Pack (12 exposures) for above camera. **LIST..... 60c**

Roll Film Adapter to use standard $2\frac{1}{4} \times 3\frac{1}{4}$ inch roll film. **LIST..... \$6.00**

Size $3\frac{1}{4} \times 4\frac{1}{4}$ in. (9x12cm.)
With Steinheil Unofocal F:4.5
Lens—Compur Shutter

Fitted with genuine Steinheil Unofocal F:4.5 lens of $5\frac{1}{2}$ inch (13.5cm.) focal length, mounted in genuine self-timing Compur Shutter providing exposure speeds of 1 to 1/250th of a second, time and bulb. Film pack adapter, three plate holders and focusing back included.

List Price, Only **\$60.00**
Discount 33 $\frac{1}{3}$ %

With Xenar F:4.5 Lens in
Compur Shutter

Same as above except fitted with a Xenar F:4.5 anastigmat lens.

List Price, Only **\$75.00**
Discount 33 $\frac{1}{3}$ %

Carrying case of leather for Steinheil Thinnex, 9x12 cm. size. **LIST..... \$4.00**

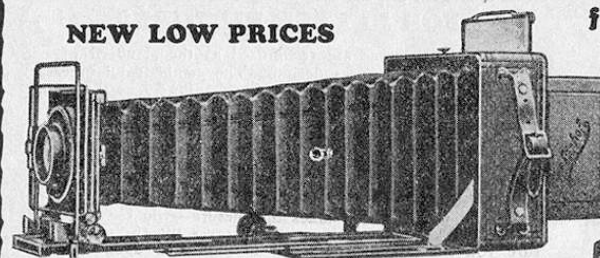
No. 541 Film pack (12 exposures) for above camera. **LIST..... \$1.00**

Plenachrome or Verichrome Film Pack (12 exposures) for above camera. **LIST..... \$1.10**

Roll Film Adapter to use standard $3\frac{1}{4} \times 4\frac{1}{4}$ inch roll film. **LIST..... \$6.60**

33 $\frac{1}{3}$ % — SPECIAL DISCOUNT TO THE TRADE — 33 $\frac{1}{3}$ %**LINHOF PRECISION CAMERAS****NEW LOW PRICES**

for — Commercial Scientific Pictorial and Portrait Work Where Precision is Paramount

**Outstanding Design**

A new highly efficient camera that incorporates many new refinements, new adjustments and advanced structural features. Its fine precision construction coupled with its many new features makes it the outstanding camera on the market today, adaptable to every form of modern photography.

THE LAST WORD IN FINE CAMERA CONSTRUCTION

Fine lens and shutter equipment makes the Linhof camera the choice of newspaper men, scientists, etc., as well as the serious minded amateur, who demands versatility in a camera, a camera that answers every picture taking problem. It incorporates every conceivable adjustment, rising, falling and vertical swing, has standard tilting base, triple extension bellows and reversible back.

REVERSIBLE BACK

The reversible back is a feature that newspaper men will be quick to appreciate. Without changing the position of the camera, without removing the ground glass focusing back, pictures can be instantly made the long or short way of the plate.

Quality—

Only the finest materials are used in its construction, all parts are accurately machined and fitted, smooth working and serviceable.

ESSENTIAL ADJUSTMENTS

Adjustments include rising and falling front with special side swing. The drop front can be rigidly secured at any degree of arc up or down and the lens placed in parallel plane with the back. Reversible back with focusing screen. Wire view finders for two positions.

Fine Finish—

Rigidly constructed, made to take the wear and abuse of newspaper work. Attractively covered with leather, highly finished metal trim.



For Those Who Demand The Finest

TRIPLE BELLOWS EXTENSION

The triple bellows extension rides on a rigid, all metal, accurately machined track. Depending upon the lens used actual size pictures are possible, and at full extension magnification can be secured. Its the ideal camera for the naturalist and sportsman.

New $4\frac{1}{2} \times 6\frac{1}{2}$ cm. Size
With Steinheil F:3.5
or Carl Zeiss F:3.5

in Compur shutter. A new and rapidly coming popular size. A real fine instrument.

List Price..... \$85.00

 $2\frac{1}{4} \times 3\frac{1}{4}$ INCH
With Xenar f3.5 lens

Fitted with Xenar or Steinheil F:3.5 high speed lens of 12cm. focal length. Compur shutter. Picture size $2\frac{1}{4} \times 3\frac{1}{4}$ ". A splendid value.

List Price..... \$115.00

9 x 12cm. SIZE
With Xenar f3.5 lens

Fitted with Xenar F:3.5 lens of 15cm. focal length in genuine Compur shutter. Picture size 9x12cm. ($3\frac{1}{4} \times 4\frac{1}{4}$ inches). A splendid value.

List Price..... \$125.00

With Cassar f3.5 lens

Fitted with genuine Steinheil Cassar F:3.5 lens of 15 cm. focal length. Compur shutter. Picture size 9x12 cm. ($3\frac{1}{4} \times 4\frac{1}{4}$ inches). A fine amateur outfit.

List Price..... \$125.00

10 x 15cm. SIZE
With Zeiss f4.5 lens

Fitted with genuine Zeiss Tessar or Steinheil F:4.5 lens of 18cm. focus in Compur shutter. Picture size 10x15 cm. (4×6 "), highly endorsed.

List Price..... \$165.00

13x18cm. (5"x7")
Steinheil Unofocal f4.5 lens

Fitted with Steinheil Unofocal F:4.5 lens of 21cm. focus in Comp. shutter. A real professional outfit.

List Price..... \$185.00

TRADE DISCOUNT 35%.

GRAFLEX CAMERAS FOR BETTER PICTURES

GRAFLEX Cameras are recognized as the standard of perfection in fine camera design. They embody all necessary principles and features essential to the making of good pictures. The focusing hood and reflecting mirror eliminate all guesswork in focusing. You see the picture you are about to take in the ground glass—right side up—as large as the film, until the instant of exposure.

The Reflecting Mirror Principle

The reflecting mirror shows you your subject on the ground glass—from the lens that takes the picture—you see just what you are going to get—and when you press the shutter the picture you have been looking at is impressed upon the film. Indispensable in action photography where it is desired to instantly change the focus to various distances.

Focal Plane Shutter—Speed

The Graflex Focal Plane shutter offers a wide range of shutter speeds from 1/5th to 1/1000th of a second and time—a speed for every photographic need from high speed action work to the pictorial rendering of placid, still life subjects. Fitted with high grade large aperture anastigmat lenses the Graflex stands out as a real all purpose camera.

Real Versatility

The model D Graflex illustrated at the left is designed for the varied requirements of general photography. In addition to the revolving back feature, it has a removable lens board, automatic lens hood and extra long bellows capacity. We offer them equipped

with the superb Steinheil Anastigmats that give clear crisp pictures. For still greater speed we can furnish these cameras with the Plaubel F:2.9 Anticomar lenses with especially fitted metal front boards.

GRAFLEX SERIES D - REVOLVING BACK

SPECIFICATIONS	LIST PRICE 3 1/4" x 4 1/4"	LIST PRICE 4" x 5"
Series D fitted with Steinheil Ultra Speed F:4.5 Unofocal lens complete with film pack adapter.....	\$140.00	\$160.00
Series D fitted with Steinheil F:3.5 Ultra Speed Cassar lens, including film pack adapter.....	\$145.00	\$170.00
Series D with Plaubel F:2.9 Anticomar Ultra Speed lens in special metal front board, including one film pack adapter	\$165.00	\$180.00

Trade Discount: One 25%—Three 33 1/3 %.

Sole leather Carrying Case for camera.....	\$12.00	\$15.00
Graflex Roll Film Adapter.....	12.50	13.50
Graflex Cut Film Holder.....	2.75	3.00
Graflex Plate Magazine.....	14.50	15.50
Graflex Plate Holder.....	2.75	3.00
Graflex Lens Board.....	.75	.90

The New Camerascope

For One Inch Button Pictures

A new novelty camera that makes those popular one inch button pictures. Quick operating—producing pictures as fast as you can pose your subjects. Has special self contained developing tank for combined developer and finisher.

No Dark Room Required

The Camerascope can be loaded in daylight with 100 plates and up to six photos can be made in one minute. Each picture is ready in less than one minute. Fitted with a high speed F:3.5 Anastigmat lens of 6cm. focal length in special high speed shutter. A tube view finder accurately centers each picture.

A Money Maker

The Camerascope is a proven money maker for street vending—at fairs, expositions, picnics and parks. It produces snappy, brilliant pictures that always please the sitter. Weight, 7 pounds.

Accessories

Button plates, per tube of 100, net.....	1.25
Button frames as illustrated, per 100, net.....	1.25
Developer, package, net.....	.50
Tripod, net.....	4.50

Easy to Use

Anyone can use the Camerascope, its operation is simplicity itself. No experience is required for its operation. All developing and fixing formulae are included with the simple instructions.

NET
PRICE,
EACH....

\$37.50



THE NEW NATIONAL GRAFLEX

Small - Compact - Economical

Now, a vanity Graflex—with all the features that has made the name Graflex famous. It represents a new perfection in fine camera design, with direct, full vision focusing. It functions with utmost precision. It makes possible a new perfection in fine picture making.

Full Vision Focusing—

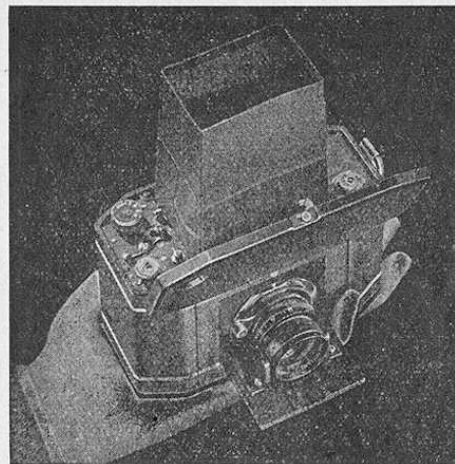
The Graflex reflecting mirror makes for the utmost ease and simplicity in focusing—in arranging the composition of your picture. You see just what you are getting—through the lens that takes the picture.

Easy to Manipulate—

Fitted with a high speed focal plane shutter with the exclusive Graflex exposure guide showing the correct shutter speed and lens setting for all conditions with exposure speeds up to 1/1000th of a second and time. Convenient arrangement of all controls makes for easy operation.

Uses No. 120 Roll Film

The use of standard No. 120 roll film assures real economy in operation and upkeep. In performance and appearance the National Graflex bespeaks outstanding quality. It places the matchless thrill of Graflex photography within reach of both amateur and professional.



Picture Size 2 1/4 x 2 1/2 Inches

Uses standard No. 120 roll film, providing 10 negatives 2 1/4 x 2 1/2 inches from regular 8 exposure film—two extra pictures from every roll. Ample size for contact prints—or superior enlargements.

Tessar, Series IC F:3.5 Lens

Fitted with the super fast Series IC Tessar lens of 3 inch focal length assuring sharper, better pictures. The sturdy life-long precision construction assures maximum efficiency under all operating conditions.

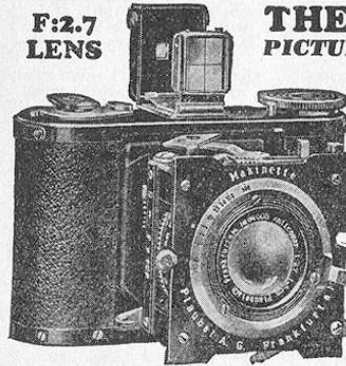
Regular List Price \$67.50
Only.....

—LIBERAL TRADE-IN ALLOWANCE ON YOUR OLD CAMERA—

Your old camera or photographic equipment of any kind has a real cash value toward the purchase price of a National Graflex. Write us fully regarding the equipment you have. By return mail we will forward you a liberal offer.

F:2.7
LENS

THE PLAUBEL MAKINETTE PICTURE SIZE (3x4cm.) 1 3/16 x 1 9/16 IN.



Miniature camera enthusiasts in both amateur and professional fields will be quick to appreciate the many fine features of the Plaubel Makinette with its super speed F:2.7 Anticomar Anastigmat lens and special built-in shutter. Ultra precision construction.

Super Speed Anticomar F:2.7 Lens

Equipped with the famous Plaubel Anticomar F:2.7 lens of 50mm. (2 inch) focal length. A fully corrected lens that produces those needle sharp negatives so much desired. Optical view finder of the self erecting type shows a brilliant image.

Special Built-in Compur Shutter

The special built-in Compur shutter provides exposure speeds up to 1/300th second. Accurately timed for any speed with its watch-like construction. Provision is made for accommodating a standard distance meter simplifying accurate focusing. The short focal length of the lens produces exceptional depth of focus.

A SUPER VALUE

The Plaubel Makinette camera represents an outstanding scientific advancement in miniature camera design. Nothing essential to good picture making has been overlooked.

A Real Value at \$59.00
this low price.

Special "Depth of Focus" Scale

Real simplicity in operation is accomplished through the three important adjustment scales covering lens stops, focusing and depth of focus. Uses standard vest pocket 8 exposure film, producing sixteen needle-sharp negatives 3x4cm. or 1 3/16 x 1 9/16 inches in size.

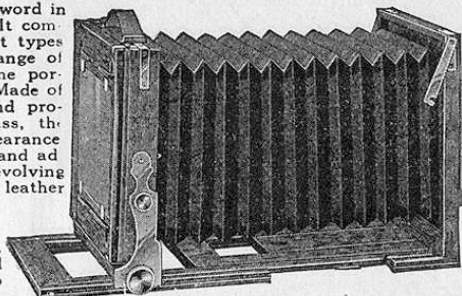
Trade-In Allowance

Your old camera is of real value when applied against the purchase price of a Plaubel Makinette. Write us fully describing what you have. Our liberal allowance will surprise you.

The Steinheil 5x7 View Camera

A Real Value in a Quality Camera

The Steinheil View Camera is the last word in modern 5x7 inch camera construction. It combines the advantages of several different types of cameras and has an unusual wide range of application; it is in every sense a home portraiture, view and wide angle camera. Made of the choicest cherry, highly polished and protected at all necessary points by brass, the camera has an unusually elegant appearance. The camera takes the standard holders and adapters. It has a very fast and simple revolving back, and the bellows are trimmed with leather corners.



A Beautiful Home Portraiture, View and Wide Angle Camera.

For All Around Use

It is the lightest 5"x7" camera made. The lens board has a vertical and horizontal displacement. There are two swings at the command of the photographer, vertical and horizontal, which are manipulated with the greatest ease, making it a truly universal camera.

Sold on a money back basis because we are proud of this beautiful camera.

Size.....	5 x 7 inches
Weight.....	5 pounds
Outside dimensions when folded.....	3 5/8 x 8 1/4 x 10 1/4 inches
Minimum extension.....	3 1/4 inches
Maximum extension.....	18 1/2 inches

STEINHEIL 5x7 VIEW CAMERA

List **\$30.00**

Price, each

Carrying Case for above.....	\$ 3.00
5x7 Film or Plate Holders for same, each.....	2.25
Special F:6.8 Steinheil lens and shutter.....	36.00
Special F:6 Steinheil lens, 7/8 inch focus, in Vario shutter.....	\$25.00

TRADE DISCOUNT 33 1/3 %.



Deardorff Commercial Camera

The New Deardorff Commercial Camera was especially designed and constructed to meet the demands of modern advertising. It sounded a refreshingly new, vivid, and stimulating note in the art and business of photography and it has won popularity with the up-to-date progressive photographer wherever it has been introduced.

By the use of the Deardorff Commercial Camera, photographs are made showing detail, lighting effects, drawing and perspective not possible to be had heretofore. Its light weight, its compactness, beauty of design, perfect mechanical construction, rigidity and ease of operation, make it a joy to its owner and a money making possession.

The Universal Camera for Every Photo Need

ALL WOOD PARTS—are made of select seasoned genuine mahogany, finished in water-proof wood lacquer.

CAMERA FRONT—which holds the front board and lens is secured by strong steel screws and brass thumb nuts, and can be swung to any angle to bring foreground and distance or front rows and back rows of groups in focus all at the same time with large stops in the lens.

SLIDING TRACKS—are in metal, provided with locks to prevent vibration. All clamp screws are steel provided with brass nuts so there is practically no wear.

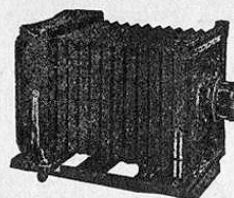
FRONT BOARD—is square, reversible all the way around, and extra large bellows permit the fitting of inside shutters and the use of large lenses.

GENUINE LEATHER BELLWS—lined with thin rubber cloth absolutely light tight and will last a lifetime with ordinary use.

BACK—is reversible all the way around and is provided with cutout boards for taking 2 or 4 pictures on 8x10 and 10x12 plates. The slides may be drawn from right or left side, top or bottom.

Size of Plate	Bellows Extension	Front Board	Weight	List Price
5x7	23 1/4	4 1/2 x 4 1/2	5 1/2 lbs.	\$ 75.00
8x10	31	6 x 6	9 lbs.	100.00
10x12	35	7 x 7	12 1/2 lbs.	225.00

Special discount for cash. Write for quotations.



The Rexo Home Portrait Camera

It fulfills very nicely the need of a light compact portable camera for home portraiture or for use in small studios, either private or professional. Including all the regular adjustments and Rexo features it has a lens board of ample size to accommodate lenses of the largest aperture.

Finest Construction Throughout

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 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 plate holders.

This camera is now equipped with the new all metal track and shoe that greatly reinforces the front standard, strengthens the bed, and insures free operation regardless of climatic conditions.

The short canvas case, lined with canton flannel, 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	5 1/4 x 5 1/4	5 lbs.
6 1/2 x 8 1/2	16 1/2 inches	7 x 7	8 lbs.
8x10	18 1/2 inches	7 1/2 x 7 1/2	8 lbs.

We will assume that carrying case and one plate holder are wanted with each camera unless order specifies otherwise.

Rexo Home Portrait Camera Only

5x7 SIZE	6½x8½ SIZE	8x10 SIZE			
\$40.00	\$45.00	\$47.00			
Canvas Carrying Case.....	\$5.00	\$5.50			
Plate or Film Holders.....	2.25	2.50		2.75	
Leather Bellows, extra.....	2.00	2.50		3.00	
Lens Boards, specify size.....	.90	1.00		1.25	

Special discount for cash. Write for quotations.

Folmer Multiple Camera—5x7

For "penny picture" and other small sized prints for passports, licenses, etc. It is also useful for straight portrait or group work up to the full 5x7 size.

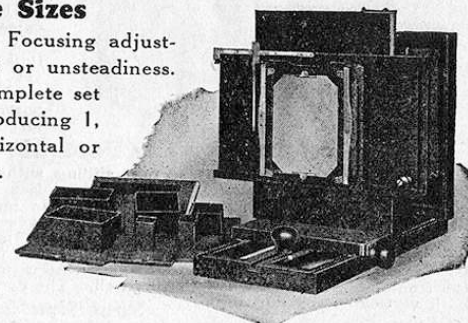
Gives Six Negative Sizes

It is semi-automatic in action. Focusing adjustments can be made without jerks or unsteadiness.

The ground glass back and the complete set of kits furnished are reversible, producing 1, 2, 4, 9, 16 or 20 negatives, horizontal or vertical, on one 5x7 film or plate.

Finest Construction

The camera is substantially constructed of dark finished cherry or mahogany. Metal parts are sand blasted.



Rear view of camera showing multiple back.

Folmer Multiple Camera with complete set of kits, one 5 x 7 film or plate holder, without lens or shutter.....

\$85.00

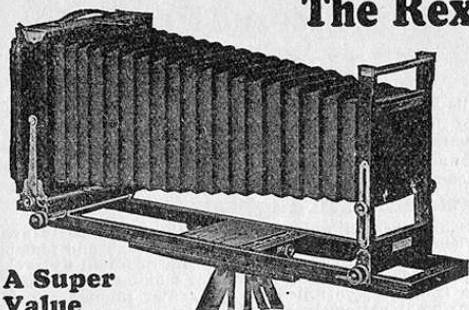
Complete Folmer Multiple Camera with 9 1/2 inch Steinheil speedy Anastigmat Lens fitted to Compound Shutter.....

\$170.75

Extra 5x7 Century Film or Plate Holder, each.....	\$2.75
Extra Lens Boards, each.....	1.25

Special discount for cash. Write for quotations.

The Rexo View Camera



A Super Value

and valuable feature of this camera. The frame is pivoted in the centre and the springs have less than half the usual distance to move, although the frame recedes readily a great deal more than the ordinary spring arrangement allows, permitting the insertion and removal of the holder very easily without jarring the camera and with no danger of straining the springs. The back and the front frames are both under rack and pinion control for focusing and the rising front and swing back also operate with rack and pinion and have convenient lock nuts.

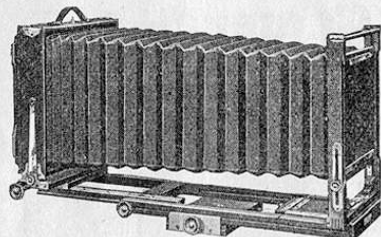
Walnut finish, metal parts nickel plated, reversible back, spring acting pivoted ground glass frame, double swings, rising and falling front with rack and pinion, sliding panel in back, detachable lens boards, bed brace, automatic back stop, leatherette bellows lined with rubber cloth.

Lens boards.....	4x5	5x7	6½x8½	8x10	7x11	11x14
Belows length.....	20 in.	24 in.	28 in.	32 in.	34 in.	42 in.
Weight.....	4½ lbs.	5½ lbs.	7 lbs.	9 lbs.	10½ lbs.	15 lbs.

We will assume that carrying case and one plate holder are wanted with each camera unless order specifies otherwise.

REXO VIEW CAMERAS	4x5	5x7	6½x8½	8x10	7x11	11x14
List Price, each	\$40.00	45.00	49.00	50.00	55.00	75.00
Canvas Carrying Case	5.00	6.00	7.00	8.00	9.00	10.00
Extra for leather Bellows	2.50	3.00	4.00	5.00	5.00	7.00
Plate or Film Holders	2.00	2.25	2.50	2.75	2.75	7.00

Special discount for cash. Write for quotations.



The New Rexo Pictorial View Camera

This camera marks a distinct advance in camera design and it has several entirely new features which are great improvements. It is beyond question the best type of camera yet produced for all around work in the studio, for commercial photography, home portraiture and with ample capacity for enlarging and reducing.

The Ideal Camera for Portrait and Commercial Work

The bed is telescopic, one section sliding within the other and operated by rack and pinion, making a stronger bed which takes up less space and doing away with the detachable bed section. The rear camera frame has metal shoes which slide on metal guide plates on the camera bed so there are no grooves in the bed to wear loose and metal to metal permits a closer fit and makes the back more rigid. Two tripod sockets permit balancing the camera on the stand or tripod when partly or fully extended. It has a large lens board and also ample rack and pinion adjustment of the rising and falling front and the front has a lateral adjustment as well. The double swing back is pivoted in the centre both vertically and horizontally.

Specifications

Lens Board.....	5x7	8x10	Weight of camera.....	5½ lbs.	11 lbs.
Belows length.....	21 inches	29 inches	Weight of case.....	3½ lbs.	7½ lbs.

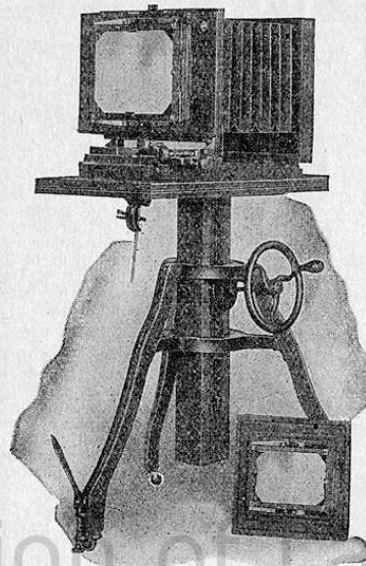
REXO PICTORIAL VIEW CAMERA, without case	5x7	8x10
or holder, List price each	\$55.00	\$65.00
Leatherette covered case	8.00	10.00
Plate or Film holders	2.25	2.75
Lens boards	.90	1.25
Extra charge for leather bellows	3.00	5.00

The carrying case is covered with heavy black leatherette. Cases in all sizes take the camera and six plate holders or seven film holders.

Special discount for cash. Write for quotations.

Century Studio Outfit No. 4A

Designed for the average studio where long focus lenses cannot be used to advantage. The camera has a bellows draw of 22 in. and a 9x9 in. lens board. Liberal swings vertical and horizontal are provided. Sliding ground glass carriage (furnished) permits making full 8x10 or two 5x8 negatives on one film or plate. Equipment also includes one 8x10—5x7 reversible adapter back with film or plate holder.



Century Studio Outfit No. 4A complete consists of an 8x10 Century Studio Camera No. 4A with Century sliding ground glass carriage No. 1, one 8x10-5x7 reversible adapter back, winged kits for making two 5x8 exposures on the 8x10 or two 3½x5 exposures on the 5x7 film or plate, and one 8x10 and one 5x7 film or plate holder and the Century Studio Stand No. 4A.

List Price..... **\$150.00**

WHEN FURNISHED SEPARATELY

8x10 Century Studio camera No. 4A with Century sliding ground glass carriage No. 1, one 8x10-5x7 reversible adapter back with two wing kits and one 8x10 and one 5x7 film or plate holder.

List Price..... **\$105.00**

Extra Lens Board, 9x9, list price..... **\$1.75**

NO. 4A CENTURY STUDIO STAND

This stand is strong and durable. It is raised and lowered by a positive self-locking spiral device. The stand rests upon three felt casters and is equipped with the floor-gripping Century Camera Jack operated by the foot. The top is covered with felt and is fitted with the Century Automatic Tilting Device. Made of hardwood, dark mahogany finish; metal parts black enameled.

Century Studio Stand No. 4A **\$45.00**

List Price.....

Extra Casters, each..... **75c**

Special discount for cash. Write for quotations.

Century Studio Outfit No. 10A

The Most Popular Outfit Available

The widest possible scope of studio work is permitted by the versatility of this camera. Its 36-inch bellows extension permits the use of extremely long focus lenses while its compactness makes possible the use of the shortest focus lenses that will cover an 8x10 film or plate. The camera is made of mahogany and cherry with brass parts in sand-blast finish.

Wing kits are supplied for making two 5x8 exposures on one 8x10 or two 3½x5 exposures on one 5x7 film or plate when the holder is in horizontal position.

The Century Semi-Centennial Stand No. 1A, which is included in the complete outfit, has a maximum elevation of 49 inches and a minimum of 14 inches. The minimum elevation is an advantage in child photography.

Century Studio Outfit No. 10A complete consists of the 8x10 Century Studio Camera No. 10A with one 8x10 sliding ground glass carriage No. 1, with one each 8x10 and 5x7 reversible adapter backs, two wing kits, one 8x10 and one 5x7 film or plate holder and the Century Semi-Centennial Stand No. 1A.

List Price..... **\$180.00**

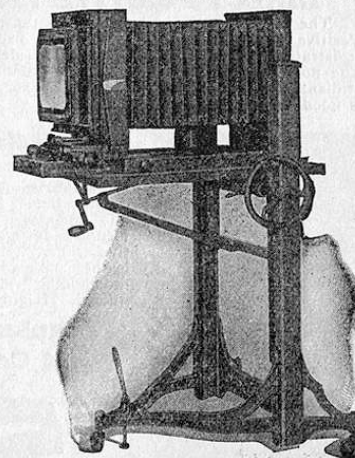
WHEN FURNISHED SEPARATELY

Century Studio Camera No. 10A with 8x10 sliding ground glass carriage No. 1, with one each 8x10 and 5x7 reversible adapter backs, two wing kits and one 8x10 and one 5x7 film or plate holder.

List Price..... **\$120.00**

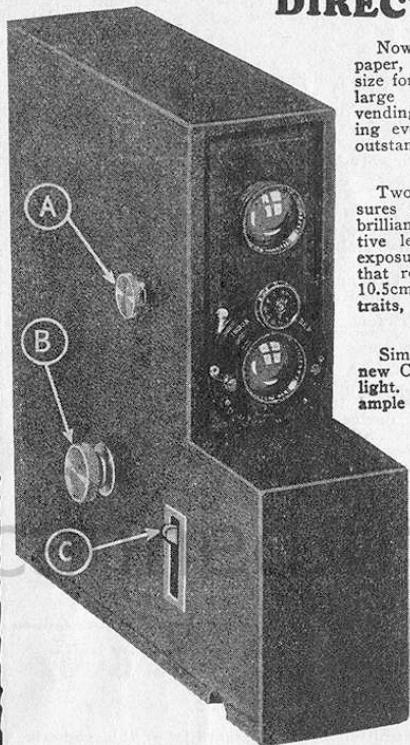
Extra Lens Board, 9x9, list price..... **\$1.75**

Special discount for cash. Write for quotations.



CLYDE DIRECT PAPER Positive Camera

DIRECT VISUAL FOCUSING



Now, a real direct positive camera, using sensitized paper, bringing out direct positive pictures in the ideal size for thousands of uses. In college registration, lodges, large factories for employers records, railroads, street vending, carnivals, etc. Designed by experts, incorporating every refinement, every need to make the Clyde the outstanding "direct paper positive" camera on the market.

Fine Lens Equipment

Two matched lenses, one for ground glass focusing, assures real results. Their large aperture F:3.8 shows a brilliant image, easy to focus. The picture taking objective lens with its ultra speed makes for instantaneous exposures. It is fitted with a reflecting mirror in back that reverses the image providing a true positive. Its 10.5cm. focal length produces a large image, fine for portraits, large heads, etc., and ideal for close-up work.

Easy to Operate

Simplicity of operation is an outstanding feature in this new Clyde camera. Load it in daylight, unload it in daylight. Its capacity of 100 feet direct positive paper is ample for all normal requirements. Its special paper cut-off enables the exposed sheets to be withdrawn at will without interfering with the unused portion. An automatic numbering device shows the number of exposures made and indicates the reserve number of exposures in the magazine.

Specifications

Rigidly constructed case, leather covered. Fitted with two matched Steinheil Cassar F:3.8 lenses of 10.5cm focal length. The focusing lens in barrel mount, the objective lens is fitted in a high grade Ibsor shutter, providing a wide range of exposure speeds, time and bulb. Letter "A" in illustration indicates the focusing knob. Letter "B" indicates the paper control knob, advancing the paper for successive exposures. Letter "C" indicates the paper cut-off lever. The paper cut-off mechanism is automatically coupled to the paper take-up, eliminating double exposures, etc. The tandem lenses automatically compensate for focal distance, accurately showing on the ground glass the position of the subject.

DIRECT POSITIVE PICTURES SIZE 1 1/4 x 2 INCHES

The two illustrations below show the actual size of pictures produced with the Clyde Direct Positive Paper Camera. The picture size of 1 1/4 x 2 inches is ideal for record purposes. For registrations, school records, etc., it is ideal. Simplicity in operation is a feature of the Clyde. The novice having no photographic experience will encounter no difficulty in producing snappy, brilliant, life-like prints with the Clyde. Of rigid construction and expert workmanship, it is good for a lifetime of service.

Guaranteed

The Clyde Direct Positive Paper Camera is guaranteed against defects in material or construction. It is furnished complete with all necessary developing and reversing formulas for use with standard direct positive paper. It is attractively finished in leather with nickel plated metal trim. An outstanding value at the special low price quoted. Highly recommended.

Regular \$150.00 Value
Net Cash Price Only

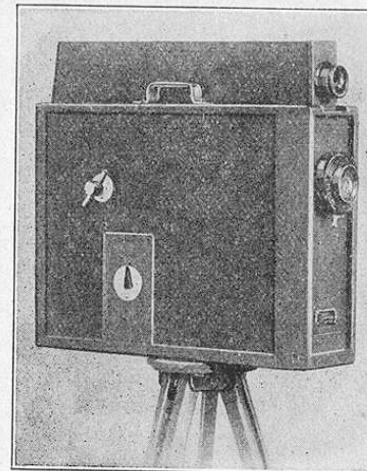
\$56.50



The Dunker Fixed Focus Camera

Small Investment—Large Returns

**Ideal for Spare or Full Time,
Any Season of the Year.**



The Dunker Camera

This outfit makes school work easy. Seat the first child 4 1/2 to 5 feet from the camera, center the image in the matched lens finder tube, press the release and you have a clear sharp negative, 1 3/8 x 2 1/8 in. You do not have to focus for every child as the camera will take care of a variation of six inches. Simple to load. It does not require a high-powered operator to make good pictures with the Fixed Focus Camera; anyone with ordinary intelligence and judgment can get excellent results.

Bordered Prints

The Dunker Rapid Printer makes bordered prints quickly. The border and picture are printed in one operation. It is designed and built for quantity production—for speed and economy.

A Real Profit Maker

You can sell these small portraits of quality six for 50 to 75 cents—cost only 2 1/2 cents. At this wonderful margin of profit the outfit pays for itself in a very short time.

In addition to schools, you will find plenty of work in the following fields: conventions, beaches, fairs and industrial plants. In the off-season it may be used as a filler in the studio.

The Dunker Fixed Focus Camera is fitted with two lenses. One serves as the finder. It enables you to space accurately and quickly. The image is visible on the ground glass while you are making the exposure. The objective lens is mounted in Betax shutter.

The wood parts are the finest American walnut, hand rubbed. Doors and panels are covered with black leatherette.

Capacity is 200 feet of 35mm. film, sufficient for 950 negatives.

A Sure Year 'Round Income Producer

New Low Prices

Dunker Fixed Focus Camera with F:4.5 Velostigmat lens in Betax shutter, complete. **\$97.00**

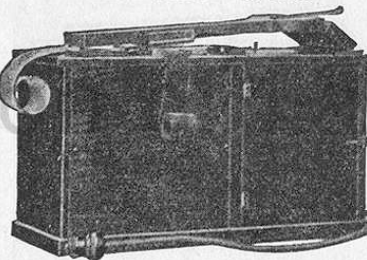
Dunker Rapid Printer **\$65.00**

Camera and Printer complete **\$150.00**

Trade Discount 20%.

Accessories and Supplies

200-foot roll of "High Speed Special" unperforated film, per roll, net.....\$8.75
200-foot roll of paper, per roll, net..... 2.80
Folding Home Portrait Stand, net..... 13.50
Changing Bag, net..... 3.90
No. 3 Rexo Trimming Board, net..... 2.95
Rexo Easel Mounts, net per 1,000..... 8.95



The Dunker Printer



Actual Size Dunker Print

The VE-JA-DE "70" Camera

Picture size $2\frac{3}{4} \times 4\frac{1}{4}$ inches
A New Magazine Camera for
Larger Pictures.

Ve-Ja-De "70" embodies all the best features of our smaller magazine cameras plus many improvements. This new size camera takes 70 millimeter ($2\frac{3}{4}$ ") film. For high school and college registration and annuals it cannot be excelled.

Fine Optical Equipment—Sharp Clean-Cut Negatives

Each and every negative is clear cut and of a good usable size without enlarging. They require very little retouching. For taking pictures of office and factory employees it is a money maker as the pictures sell themselves. Social events are easily photographed at a great profit with this outfit. For the Portrait Studio it opens a new field.

Easy to Operate

One hundred foot roll of 70 millimeter ($2\frac{3}{4}$ ") film contains sufficient film for taking 225 negatives. Negative size is $2\frac{3}{4} \times 4\frac{1}{4}$ in. The lens equipment is a pair of high speed Ilex Paragon F:4.5 lenses, $6\frac{1}{2}$ inch focal length. One is in Universal shutter, the other, which is used for focusing is in barrel. Focusing is done by a rack and pinion located on the left side. You see the image in the ground glass up to the instant of exposure. The focusing capacity is from a large bust to full length figures. The winding key and dial for spacing are conveniently placed. The plunger in front enables you to mark the film at any point for reference in the dark room. Any exposed portion can be removed without disturbing the remainder of the film.

You owe it to yourself to try this new practical camera. It takes you out of the small picture field and into the big money making business.

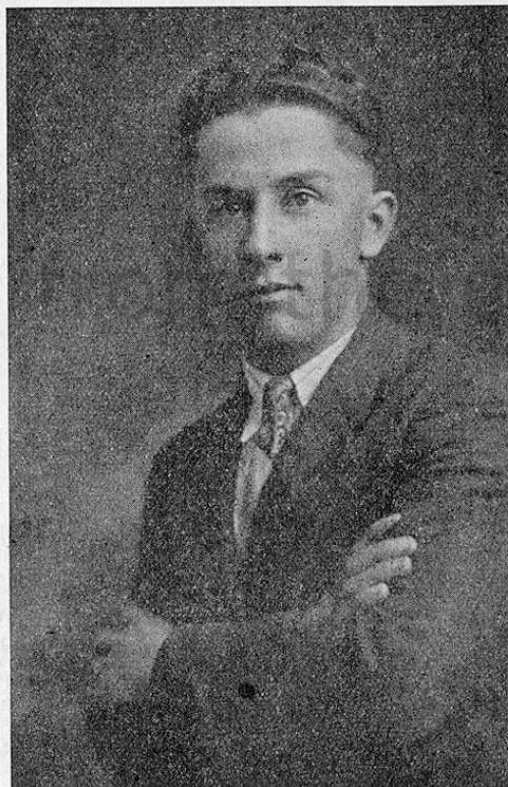


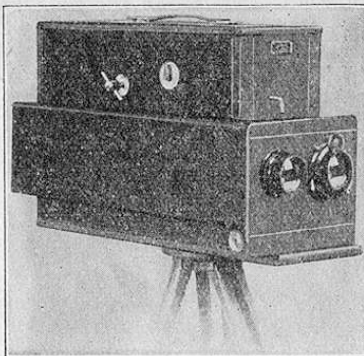
Illustration shows actual size of picture made with the Ve-Ja-De "70" Camera.

VE-JA-DE "70" CAMERA..... **\$150.00**

Trade Discount 20%.

No. 77 Tripod for above, net..... **\$7.50**
100-foot roll of "High Speed Special" 70mm. ($2\frac{3}{4}$ ") film, net..... **8.75**

WOODELM SLIP IN MOUNTS for pictures made with this camera
Net per 100..... **\$1.25** Net per 1000..... **\$8.95**



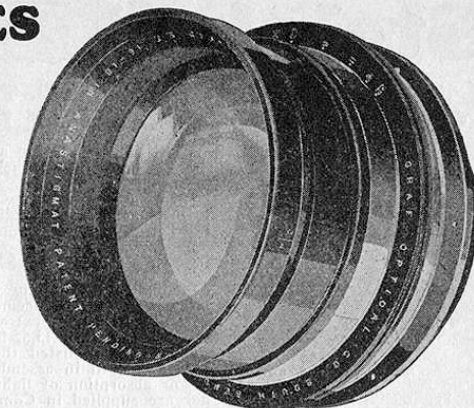
GRAF LENSES

The Guaranteed Lens

Each and every lens listed below represents the finest in quality construction, by master lens makers. They are guaranteed perfect in every way.

Finest Construction

Graf, American made lenses, are made of the finest glass that can be obtained. They are mounted in a non-oxidizing and very light aluminum compound of secret formula. Every surface of every element is pitch-polished and every curvature is tested with master test-glass (Newton's Rings Test). A better method does not exist.



NEW GRAF VARIABLE ANASTIGMATS—SERIES A

Where other lenses secure diffusion by throwing the image out-of-focus, the Graf, through its unique design carries the image through in full form. By turning the variable combination any desired degree of diffusion may be secured—yet, instantly the variable combination may be set for sharpness—and crisp needle sharp negatives are produced by the same lens—the efficiency of two lenses in one.

No.	Focal Length—Inches		Normal Plate	Emergency Plate	List Price
	As F:3.8 Anastigmat	As F:4.5 Full Soft Lens			
62	$6\frac{1}{2}$	$7\frac{1}{2}$	$2\frac{1}{2} \times 3\frac{1}{2}$	$3\frac{1}{4} \times 4\frac{1}{4}$	\$67.50
63	$7\frac{1}{2}$	$8\frac{1}{2}$	$3\frac{1}{4} \times 4\frac{1}{4}$	4x5	82.50
64	$8\frac{1}{2}$	$9\frac{1}{2}$	4x5	4x6	99.00
64A	$9\frac{1}{2}$	11	4x6	5x7	129.00
67	14	16	$6\frac{1}{2} \times 8\frac{1}{2}$	8x10	264.00

GRAF-BISHOP SOFT FOCUS

14"—17 $\frac{1}{2}$ " F:5 in barrel with extra front lens for shortening focus..... **\$100.00**

NEW GRAF VARIABLE ANASTIGMATS—SERIES B

The Series "B" Variable Anastigmats are similar in construction and design to the Series A line listed above. They are fully corrected and of the true variable type, producing sharp or diffused negatives at will. All Graf lenses are fully guaranteed.

No.	Focal Length—Inches		Normal Plate	Emergency Plate	List Price
	As F:4.5 Anastigmat	As F:5.6 Full Soft Lens			
74	$8\frac{1}{2}$	$9\frac{1}{2}$	4x6	$4\frac{1}{2} \times 6\frac{1}{2}$	\$82.50
74A	$9\frac{1}{2}$	11	$4\frac{1}{2} \times 6\frac{1}{2}$	5x7	99.00
77	14	16	8x10	9x11	210.00
79	18	20 $\frac{1}{2}$	10x12	11x14	330.00

THE GRAF SUPER ANASTIGMATS

Our F:4.5 Series of Super Anastigmats are fast lenses of exquisite correction, giving sharp crisp images when used wide open.

The F:6.3 lenses are slower, and stop for stop have the same depth as the F:4.5 lenses, but at the same stop they are slightly better in both angle and definition. The better correction is obtained at the expense of speed.

The F:8 lenses are superior for all around commercial work. A very compact, light weight lens.

F:4.5 Series—Super Anastigmats

Focal Length $6\frac{1}{2}$ "; 4x5 or $3\frac{1}{4} \times 5\frac{1}{2}$ plate covered, Price in shutter..... **\$45.00**

F:6.3 Series—Super Anastigmats

Focal Length 8"; 5x7 plate covered, Price in shutter..... **\$50.00**

Focal Length 10"; $6\frac{1}{2} \times 8\frac{1}{2}$ plate covered, Price in barrel..... **60.00**

F:8 Series—Super Anastigmats

Focal Length 16"; 11x14 plate covered, Price in barrel..... **\$90.00**

Focal Length 18"; 14x17 plate covered, Price in barrel..... **\$110.00**

Special Discount 40%.

Steinheil Quality Lenses

STEINHEIL TRIPLET-ANASTIGMAT CASSAR F:3.5-F:5, SERIES 0

These fine lenses are a triumph both in optical design and accurate manufacture. They yield negatives of remarkable brilliancy, free from flare or coma, sharp and crisp to the extreme corners of the plate for which they are listed, and their depth and definition at full opening leave nothing to be desired. They are fully corrected with extreme flatness of field.

Super Speed F:3.5 - F:5

Steinheil Cassar Lenses are of Triple-Anastigmat construction, consisting of three uncemented elements. One of their distinguishing features is their extraordinary speed. At full opening they are listed to work at F:3.5, but in actual comparison with most other lenses similarly listed their speed is much greater. Because no cement is used in assembling the elements there is absolutely no loss or absorption of light due to the presence of cement. Lenses

of 9 1/2 inch focal length or larger are supplied in Compound shutters only. The 7 1/2 inch and 8 1/4 inch lenses in sunk mounts are ideal for Graflex cameras.

Speed Photography

It should be remembered that a lens working at F:3.5 is twice as rapid, passes twice the light of a lens working at F:4.5. In the studio or in the field, these high speed lenses assures well exposed negatives under the most adverse light conditions. In the photography of children or other difficult subjects the photographer equipped with a Cassar F:3.5 is at all times master of the situation.

Proven Quality

Notwithstanding the fact that these lenses are of relatively recent invention and introduction, they are now in constant daily use in many of the foremost studios, where they are meeting with unqualified approval. It is desired to emphasize the fact that in spite of their great speed they are fully corrected. Speed has not been secured at the expense of correction. Steinheil Lenses always satisfy.

Focal Length Inches	Centimeters	Speed	Size Plate Covered Inches	In Barrel with Iris Diaphragm	In Comp. Shutter
2	5.0cm.	F:3.5	1 x 1 1/2	\$ 30.00	\$ 40.00
3	7.5cm.	F:3.5	1 3/4 x 2 1/4	32.00	42.00
4 3/4	12 cm.	F:3.5	2 1/4 x 3 1/4	36.00	46.00
5 1/4	13.5cm.	F:3.5	3 1/4 x 4 1/4	46.00	58.00
6	15 cm.	F:3.5	3 1/2 x 4 3/4	52.00	64.00
6 1/2	16.5cm.	F:3.5	4 x 5	60.00	77.00
7 1/8	18 cm.	F:3.5	4 3/4 x 6 1/2	68.00	83.00
8 1/4	21 cm.	F:3.5	5 x 7	94.00	105.00
10	24 cm.	F:3.5	6 x 8	108.00	132.00
11 7/8	30 cm.	F:3.5	6 1/2 x 8 1/2	152.00	
14 1/4	36 cm.	F:4	7 x 9 1/2	190.00	
16 1/2	42 cm.	F:4.8	8 x 10	258.00	
20	50 cm.	F:4.8	10 x 12	342.00	
23 3/4	60 cm.	F:5	11 x 14	552.00	
27 3/4	70 cm.	F:5	12 x 15	642.00	

TRADE DISCOUNT 33 1/3%.

STEINHEIL'S OPTICAL ACHIEVEMENTS

The firm of C. A. Steinheil Sohne has been among the foremost leaders of lens manufacturers abroad for the past three-quarters of a century. So well known are the products of this firm throughout continental Europe and so wide and steady has been the demand for their output, that foreign markets have heretofore been practically neglected.

Seventy Years of Progress

Lenses bearing the name Steinheil have for the past 70 years been regarded as the standard of excellence, and are the choice of a large majority of serious workers in the country in which they are produced. They have marched hand in hand with progress and enjoy an enviable reputation for quality.

Research and Development

The experience gained in three-quarters of a century, backed by constant research and laboratory experimenting has resulted in constant improvement and development in the science of optical manufacture, associating the name Steinheil with the finest in the quality, precision, and extreme accuracy.

A Standard of Quality

The energies of the Steinheil factories, which might have been directed to the creation of a world market were utilized instead in the designing, improvement and perfection of the firm's formula and products, raising them to their present high plane of excellence. They are outstanding in quality, performance and accuracy.

New Lenses By Steinheil

STEINHEIL UNOFOCAL F:4.5, SERIES I

A rapid anastigmat, famous for its even sharpness and great depth of focus. Perfectly corrected for spherical chromatic and astigmatic aberrations.

Great Depth of Focus

A principle feature of the Unofocal F:4.5 lens over other types of lenses listed to work at similar speed is the fact that the Unofocal is an uncemented lens, and all loss of light incident to cemented lenses and consequent decrease of speed is eliminated. Lenses of 1 1/2 inches focal length and larger are furnished in Compound shutter only.

Fully Convertible

With a large stop each element is a soft focus lens suitable for portraiture and with small stops it constitutes an excellent group for landscape lens.

Focal Length Inches	Centimeters	Size Plate Covered Inches	In Barrel with Iris Diaphragm	In Compur Shutter
3	7.5cm.	2 1/4 x 3 1/4	\$ 40.00	\$ 40.00
4 1/4	10.5cm.	3 1/4 x 4 1/4	32.00	42.00
4 3/4	12 cm.	3 1/2 x 4 3/4	34.00	44.00
5 1/4	13.5cm.	4 x 5	40.00	52.00
6	15 cm.	4 1/4 x 5 1/2	45.00	58.00
6 1/2	16.5cm.	4 3/4 x 6 1/2	50.00	64.00
7 1/8	18 cm.	5 x 7	65.00	86.00
8 1/4	21 cm.	5 1/2 x 8	90.00	100.00
9 1/2	24 cm.	6 1/2 x 8 1/2	100.00	122.00
11 7/8	30 cm.	8 x 10	140.00	174.00
15 7/8	42 cm.	10 x 12	214.00	

TRADE DISCOUNT 33 1/3%.

STEINHEIL ORTHOSTIGMATS F:6.8 - Series B

These famous Steinheil Orthostigmat lenses are in every sense a universal lens and their speed is sufficient for a practical application, including instantaneous exposures under fair lighting conditions. For portraiture, groups, landscapes and interiors, as well as for copying work it cannot be excelled.

Six Lenses—Two Element Design

The Orthostigmat Series B is composed of six lenses, assembled in two groups of three lenses each. The rear element of this lens may be used alone with slight stopping down, and when so used its focal length is approximately double that of the complete lens. Lenses of 11 inch focal length and larger are furnished in Compound shutters only.

Focal Length Inches	Centimeters	Size Plate Covered Inches	In Barrel with Iris Diaphragm	In Compur Shutter
2 1/8	5.5cm.	2 1/2 x 3 1/4	\$ 32.00	\$ 42.00
3	7.5cm.	2 3/4 x 4	32.00	42.00
3 1/2	9 cm.	3 1/2 x 4 3/4	32.00	42.00
4 1/4	10.5cm.	4 x 5	34.00	44.00
4 3/4	12 cm.	4 3/4 x 6 1/2	36.00	46.00
5 1/4	13.5cm.	5 x 7	38.00	48.00
6	15 cm.	6 x 8	44.00	56.00
6 1/2	16.5cm.	6 x 8	46.00	58.00
7 1/8	18 cm.	7 x 9 1/2	56.00	68.00
8 1/4	21 cm.	8 x 10	66.00	80.00
9 1/2	24 cm.	10 x 12	90.00	105.00
11	28 cm.	11 x 14	104.00	124.00
12 1/2	32 cm.	12 x 16	124.00	144.00
14 1/4	36 cm.	16 x 16	162.00	182.00
18 3/4	48 cm.	16 x 20	228.00	252.00
23 3/4	60 cm.	20 x 20	360.00	

TRADE DISCOUNT 33 1/3%.

• Steinheil Wide Angle Lenses •

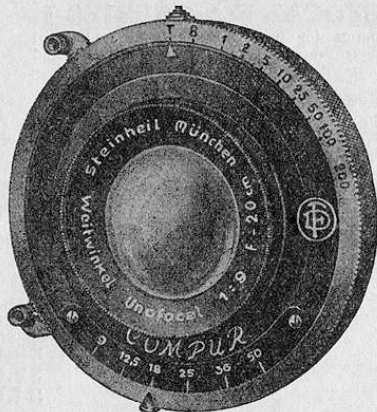
"UNOFOCAL"

SPEED F:9

An excellent wide angle anastigmat lens having a maximum aperture of F:9 covering an angle of 90 degrees. A product of the famous Steinheil factories and backed by their 75 year reputation in the construction of fine lenses.

Full Angle of View

The extreme wide angle of view covering a full 90 degrees makes these lenses ideal for use in cramped quarters, in architectural subjects and similar work where a broad effect and a full view must be included in the negative.



SERIES III

These famous Series III Steinheil Unofocal lenses possess complete anastigmatic, spherical and chromatic correction and are entirely free from distortion.

Critical Definition

The wide angle of view covered is critically sharp, there being no falling off of light at the edges making them indispensable for work at close quarters where subject to be taken embraces an abnormally wide angle of view.

COVERS A FIELD OF OVER 90 DEGREES

The relatively high aperture of these fine Steinheil Unofocals make them fast enough for use in regular snap-shot work. Especially designed for architectural subjects, broad landscapes, interiors and reproduction work of all types. Their extremely flat field makes for excellent definition. They are splendid for commercial work of all types where a broad angle of view is to be included in the negative. They cover sharply and evenly plates of the full sizes listed, yielding negatives of remarkable brilliancy, free from flare or coma, sharp, and crisp with remarkable depth and definition even at full aperture.

New Four Element Formula

Fast wide angle lenses hitherto available have been for the most part six lens combinations. These Unofocal F:9 wide angle lenses consist of but four elements, arranged in two pairs so that shutters and diaphragms may be mounted between the pairs.

For All "Close Quarter" Work

Everyone who has ever attempted architectural, interior or the more sweeping kinds of landscape work will appreciate a lens capable of covering a field of 90 degrees, with minimum trouble and maximum speed. These new Steinheil Unofocal lenses have been designed particularly for this type of work.



FINEST SHUTTER EQUIPMENT

Compur Shutters

Mounted in genuine new style Compur shutters representing the last word in fine shutter construction. The illustration at the top of the page shows the Unofocal Wide Angle Lens in Compur shutter mounting. Provides exposure speeds of 1 to 1/200th second as well as time and bulb. Easily operated, accurately timed and ruggedly constructed.

Ibsor Shutters

Steinheil Cassar F:9 wide angle lenses are supplied in shutter mounts only. Available in high speed Ibsor shutters noted for their fine precision construction and accurate mechanism. They provide a range of exposure speeds from 1 to 1/100th second as well as time and bulb. Especially made for quick finish picture work. Require no setting for each exposure.

Lens No.	1	2	3	4
Focus, inches.....	3 1/4	4 1/4	6 1/4	7 7/8
Focus, Centimeters.....	8.5	12	16	20
For Film or Plate size, inches.....	4x5	5x7	8x10	10x12
For Film or Plate size, Centimeters.....	9x12	13x18	18x24	24x30
In Ibsor Shutter, List Price, each.....	\$25.00	\$29.00	\$36.00	\$46.00
In New Style Compur shutter, List Price, each.....	\$30.00	\$33.00	\$39.00	\$50.00

PRICES QUOTED SUBJECT TO DISCOUNT OF 33 1/3 %.

• Steinheil High Speed Lenses •

WITH REFLECTING PRISM AND MIRROR

Direct Positive Pictures

Super speed anastigmats fitted with reflecting prism and mirror for producing those direct positive pictures on paper or film. The relatively short focal length of these high speed lenses adapts them for close-up work such as heads, etc. They serve a real purpose in school, college and registration work of all kinds.

FRONT MOUNTED PRISMS

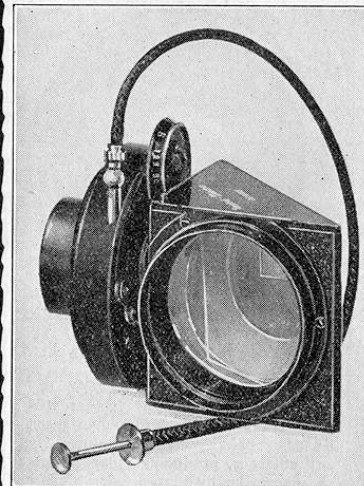
All lenses have the prisms mounted in front, ready for installation on the camera. For special installations where it is desired to have the prism in back of the lens they can be furnished on special order.

HIGH SPEED SHUTTERS

The short focal length of these lenses makes for extreme depth of focus even when used wide open. They are fitted with high speed automatic, self setting shutters providing exposure speeds of 1, 1/2, 1/5, 1/10, 1/25, 1/100 and 1/200th of a second as well as time and bulb. The use of reflecting prisms reverses the image so that a correct positive picture is secured.

SUPER SPEED LENSES

The high speed of these lenses makes them ideal for direct positive pictures on paper or film. Their tremendous light gathering power assures minimum exposure time and positive pictures that carry a wealth of detail with real snap and brilliancy.



Cassar F:2.5 3" (7.5cm.)

Super Speed Steinheil F:2.5, 3-inch (7.5cm.) lens mounted in Ibsor shutter. Fitted with genuine prism. Fully corrected lens of critical definition.

List \$62.50
Price.. \$62.50

Discount 40%.

Cassar F:3.5 3" (7.5cm.)

High Speed Steinheil F:3.5 Cassar lens of 3 inch (7.5cm.) focal length in Ibsor shutter. A sharp cutting anastigmat. Fitted with genuine prism.

List \$54.50
Price.. \$54.50

Discount 40%.

Cassar F:3.8 4" (10.5cm.)

Steinheil Cassar F:3.8 lens of 4" (10.5cm.) focal length in genuine Ibsor shutter fitted with prism. A highly recommended outfit.

List \$56.00
Price.. \$56.00

Discount 40%.

Unofocal F:4.5 4" (10.5cm.)

Genuine Steinheil Unofocal F:4.5 lens of 4 inch (10.5cm.) focal length in Ibsor shutter fitted with prism. Of ample speed for fine results.

List \$52.50
Price.. \$52.50

Discount 40%.

Furnished in Compur Shutter at \$10.00 net additional.

Steinheil Quinar Lenses F:2 SUPER SPEED

These high speed Steinheil Quinar lenses represent the last word in quality lens construction combining critical sharpness, full correction and tremendous speed. They are ideal for use on all types of miniature cameras and enlargers. Their anastigmat construction assures perfect flatness of field.

Great Depth of Focus

Available in either barrel mount for use on enlargers or cameras having focal plane shutters or in genuine Compur shutters providing exposure speeds up to 1/250th second as well as time and bulb. The relatively short focal length of these high speed anastigmats coupled with their extremely fine circle of definition provides remarkable depth of focus when used wide open assuring good results in night photography, etc., when the full speed of the lens must be employed. Furnished in focusing mount for 10% additional over the prices shown in barrel mount.

F:2-3" (7.5cm.) Barrel Mount

Steinheil Quinar F:2 Ultra speed lens in barrel mount with Iris diaphragm.

List Price,
Only..... \$56.00

Trade Discount 40%.

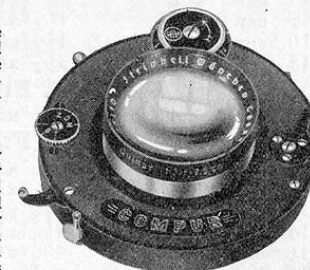
Furnished in Prism for \$30.00 net additional.

F:2-3" (7.5cm.) Compur Shutter

In Compur shutter ready for installation in any type of camera using a lens of short focus.

List Price,
Only..... \$65.00

Trade Discount 40%.



STEINHEIL SPECIAL LENSES

F:2.5—F:2.9—F:3.5—F:3.8—F:4.5—F:5.4—F:6



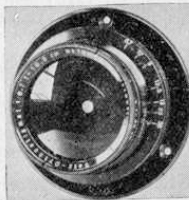
A new series of high speed, short focal length lenses offering the utmost in speed, definition, covering power and extreme correction.

Steinheil optical engineers have achieved new heights of lens perfection in the development of these fine super speed lenses. No compromise has been made with quality to secure speed. They produce sharp, clean-cut negatives, retaining shadow detail, etc.



For Hand Cameras

Ideal for use on hand cameras of all types. Their high speed formula coupled with relatively short focal length produces remarkable depth of focus at full aperture, and when stopped down for normal conditions a tremendous "depth of focus" is secured. Their crisp definition adapts them to all types of photographic work, and the experimenter or scientist looking for extreme accuracy in fine construction will appreciate the full correction and covering power of these new lenses.



Crisp Definition

The tremendous popularity of miniature type cameras has created a remarkable demand for super-speed lenses. They can be mounted on any enlarger, producing enlargements of exceptionally large size, while their large aperture makes possible the use of the slower types of enlarging papers with minimum exposure time. Manufacturers of direct positive type cameras will find these lenses unexcelled for producing those crisp, snappy pictures.

STEINHEIL F:2.5 — ULTRA SPEED LENSES

Focal Length	Size of Plate Covered	In Barrel with Iris Diaphragm	In Ibsor Shutter	In Compur Shutter
5 cm. 2"	1 "x1 1/2"	\$30.00	\$35.00	\$40.00
7.5cm. 3"	1 "x2 1/4"	30.00	35.00	40.00

STEINHEIL F:2.9 — SUPER SPEED LENSES

5 cm. 2"	1 "x1 3/4"	\$26.00	\$30.00	\$32.50
7.5cm. 3"	1 "x2 1/4"	28.00	32.00	35.00

STEINHEIL F:3.5 — HIGH SPEED LENSES

5 cm. 2"	1 "x1 3/4"	\$25.00	\$28.50	\$31.00
7.5cm. 3"	1 1/2 "x2 1/2"	27.50	31.00	34.00
10.5cm. 4 1/4"	1 1/2 "x2 3/4"	30.00	33.00	36.00
15 cm. 6"	3 1/2 "x4 3/4"	50.00	55.00	58.00

STEINHEIL F:3.8 — HIGH SPEED LENSES

10.5cm. 4"	2 1/4 "x3 1/4"	\$25.00	\$28.50	\$31.00
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STEINHEIL F:4.5 — HIGH SPEED LENSES

7.5cm. 3"	2 "x3"	\$26.50	\$30.00	\$32.00
10.5cm. 4 1/4"	2 1/4 "x3 1/4"	28.00	31.00	33.50
13.5cm. 5 3/4"	3 1/4 "x4 1/2"	30.00	32.00	36.00
15 cm. 6"	4 1/4 "x5 1/4"	34.00	37.00	40.00
16.5cm. 6 1/2"	4 3/4 "x6 1/2"	38.50	41.00	44.50
18 cm. 7 1/8"	5 "x7"	43.50	49.00	52.00

STEINHEIL F:5.4 SPEEDY LENSES

18 cm. 7 1/8"	5 "x7"	\$39.50	\$41.50	\$45.00
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STEINHEIL F:6 LENS

18 cm. 7 1/8"	5 "x7"	\$30.00	\$32.00	\$34.00
21 cm. 8 1/4"	5x7-6 1/2x8 1/2	54.00	60.00	65.00

TRADE DISCOUNT 40 %.

F:3.5 — Schneider Xenar Lenses — F:4.5 FULLY CORRECTED ANASTIGMATS

Xenar lenses, since their introduction to the trade, have met with tremendous popularity, and in these new lenses, remarkable quality has been improved, especially regarding covering power. These new lenses are of the half cemented, unsymmetrical anastigmat type consisting of four elements that pass a maximum amount of light in relation to aperture.

Crisp Definition

In the design of these super-speed Xenar anastigmats, no effort has been made to make them convertible at the expense of quality, yet, definition, covering power and correction have been retained in the highest degree, making them ideal for reflex camera work and portraiture.

FOR BRILLIANCY AND COVERING POWER

Improved Correction

Xenar lenses offer remarkable brilliancy and exquisite detail over a very large field. Their simple, thin lens construction cuts light absorption to a minimum, they dig right into the shadows producing negatives of remarkable definition and detail, even when used wide open. The high speed of these lenses provides ability to arrest rapid motion or to obtain full exposures on cloudy days, at dusk or in the home.

Highest Quality Construction

Xenar lenses have an extremely wide angle of view in which perfect definition is retained. When stopped way down they cover a larger plate than the size listed.

XENAR F:3.5 LENSES

A super-speed lens having an angle of view in which perfect definition is secured, equivalent to that of the F:4.5 series—50° at full aperture, 60° when stopped down.

List Prices Including Tax

Focus	Size	In Barrel with Iris Diaph.	In Compur *Compound Shutter
6 in.	3 1/4 x 4 1/4	\$ 51.70	\$ 50.00
6 1/2 in.	4x5	55.00	*68.00
7 1/2 in.	4x5	†63.80	*71.50
8 1/2 in.	4x6	71.30	*96.25
9 1/2 in.	5x8	102.30	*116.60
11 3/4 in.	6 1/2 x 8 1/2	151.80	

† Half Sunk Mount.

Four Thin Elements

Constructed of four elements of thin glass. They should not be confused with those partially corrected fast lenses having roundness and softness, yet, where the single elements need extreme stopping down. The ability of these lenses to secure shadow detail makes them the choice of press-photographers when covering difficult assignments. They can be depended upon for good pictures under most trying conditions.

Sharp, Crispy Negatives

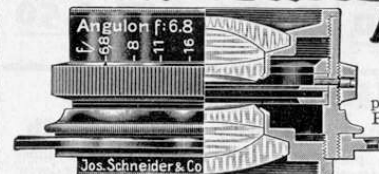
Where good pictures are necessary, under unfavorable conditions, the wise photographer will choose a Xenar. Ideal for both portrait and commercial work.

XENAR F:4.5 LENSES

High speed lenses constructed of four thin elements, making for minimum light absorption. Double the light of F:6.3 is passed at full aperture.

List Prices Including Tax

Focus	Size	In Barrel with Iris Diaph.	In Compur *Compound Shutter
6 1/2 in.	4x5	\$ 41.00	\$ 59.40
7 1/2 in.	5x7	49.00	*63.50
8 1/2 in.	5x8	55.30	*73.70
10 1/2 in.	6 1/2 x 8 1/2	96.30	*118.80
11 1/2 in.	8x10	114.35	*139.30
14 1/2 in.	10x12	169.65	
16 1/2 in.	11x14	221.32	
19 in.	14x17	324.50	



Angulon F:6.8 Lenses Wide Angle Convertible

A high speed convertible, wide angle lens for all purposes of technical, scientific and artistic photography. Provides a total angle of view of 105°. Being of true convertible construction, each component can be used separately. Thus, the possessor of an Angulon has three lenses in one, all of different focal lengths, making it a universal lens adaptable to all forms of photography. The separate elements and combined unit provide focal lengths in the ratio of 1:1.5:2.

Total Angle of View 105°

Covering a total angle of view of 105°, they are fully corrected, free from ghost and flare. Astigmatism, coma, distortion, spherical and chromatic aberrations are eliminated to the widest extent. There is no marginal loss in sharpness. Gives critical definition with uniform illumination. When used for extreme wide angle work a slight stopping down assures remarkable results.

Universal Application

In the Angulon you have three foci in one lens, yet each component requires only a small change in the camera extension. This new construction makes it ideal for universal work—wide angle, portrait or commercial.

List Prices Including Tax

Focal Length cm.	Inches	Barrel with Iris Diaph.	Compur Shutter
9	3 1/2	\$30.00	\$41.80
12	4 3/4	34.65	46.20
16.5	6 1/2	50.60	59.40
21	8 1/4	63.80	76.45

Trade-in Allowance

Your old lens will be accepted in trade on a new Angulon. When writing, describe your lens fully and state lowest cash offer you would consider. Our liberal offer will go forward to you by return mail.

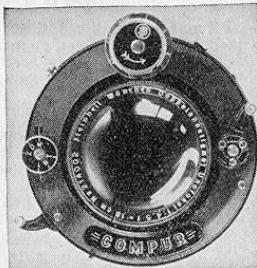
• Steinheil Convertible Anastigmats •

Three Lenses in One

These fine Steinheil lenses are of the true anastigmat type and are of convertible construction. The combined lens consists of two elements, either of which may be used alone for longer or shorter focal length work. They are fully corrected, free from astigmatism, flare, coma and spherical aberration.

Jena Glass Construction

Made of the finest quality Jena glass, ground with true Steinheil accuracy. They are adaptable to all types of photography and for critical commercial work they cannot be excelled. Where critical definition is desired with perfect flatness of field and uniform light distribution over the full plate these fine Steinheil Convertible lenses are highly recommended. The long focal length of the separate elements makes for perfect perspective, so necessary in both portrait and commercial work.

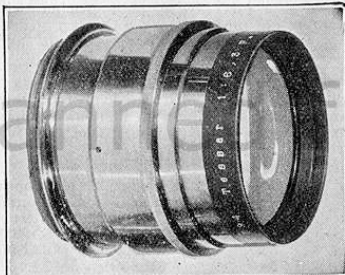


Speed	Combined Focal Length		Focal Length		Size of Plate Covered	In Barrel With Iris Diaphragm	In Compur Shutter
	cm.	inches	Front Lens inches	Rear Lens inches			
F:6.7	16.5	6 1/2	12 3/4	10 1/2	4x5 to 5x7	\$ 50.00	\$ 60.00
F:6.7	19.5	7 3/4	14	12 3/4	5x7 to 6 1/2 x 8 1/2	65.00	75.00
F:6.7	23	9	16 1/4	14	8x10 to 10x12	90.00	100.00
F:6	25	10	16 1/4	15 7/8	8x10 to 11x14	110.00	120.00

TRADE DISCOUNT 40%.

Genuine Krauss Tessar Lenses

U. S. Government Tested



Constructed to the highest standards of precision workmanship, built to rigid U. S. Government specifications. Finest Tessar quality throughout. Fully corrected, producing negatives of that brilliant, crispy quality, so much desired. The exceptional focal length of these lenses makes them ideal for all difficult subjects requiring perfect perspective and, being fully corrected, you are assured of accuracy in rendition.

F:6.3 Speed—20 in. (50cm.) Focus Original Tessar Formula

The famous Tessar formula, the result of years of scientific research in the optics of photography has long been recognized as producing the ideal type of lens for all types of photography. Furnished in barrel mounting only with Iris diaphragm, these lenses are ready for installation on any camera. They will sharply cover all plates up to 11x14 inches wide open.

mounting only with Iris diaphragm, these lenses are ready for installation on any camera. They will sharply cover all plates up to 11x14 inches wide open.

SUPPLEMENTARY LENS

This auxiliary lens when used with the Krauss Tessar listed here, reduces the focal length to 15 inches. Easily attached.

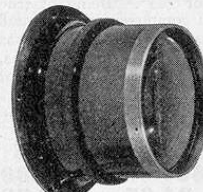
NET PRICE, EACH..... \$15.00

List Price \$500.00

**Net Price \$74.50
Only.....**

GENUINE BERTHIOT LENSES

Speed F:5.7—10 inch (25cm.) Focal Length



Through a fortunate cash purchase we are enabled to offer these genuine Berthiot Lenses at a fraction of their real value. The wonderful reputation of the name of Berthiot has been earned through the quality of their products and now, while this low price prevails, photographers should avail themselves of the opportunity to secure one of these remarkable lenses.

Barrel Mount—Iris Diaphragm

These Berthiot lenses were constructed to conform to rigid government specifications. Their speed of F:5.7 is fast enough for fine portrait work, while their critical definition makes them ideal for all forms of commercial work.

Finest Construction

Mounted in barrel with Iris diaphragm, they are adaptable for use on all 5x7 cameras. The home portrait photographer will appreciate the clean-cutting, wonderful modeling of these lenses, and in the studio where one lens must answer many purposes, they will quickly prove their value.

Long Focal Length

The long focal length of these lenses will be appreciated by the portrait artist seeking perfect perspective with fine artistic modeling. A real value.

**List \$150.00 \$37.50
Net, only.....**

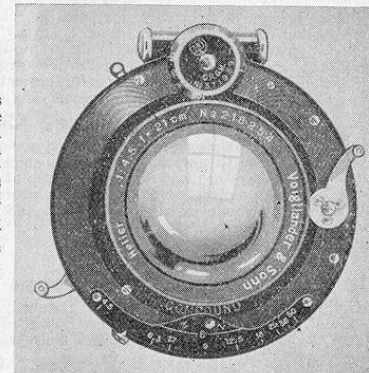
• VOIGTLANDER HELIAR LENSES •

F:4.5 SERIES IN COMPOUND SHUTTERS

A real value in high speed, imported lenses of recognized quality. Available in the four most useful and popular sizes. All mounted in genuine Compound shutters, of in-between-the-lens type, providing exposure speeds from 1 to 1/75th second with time and bulb.

Ultra-Rapid Anastigmat

These fine Heliar lenses are recognized as the highest type of ultra-rapid anastigmats. In addition to its great speed it possesses optical corrections that eliminate all spherical and chromatic aberrations, flare, coma, etc., adapting these lenses to all types of commercial, pictorial and portrait work. They pass a maximum amount of light, producing negatives of critical definition.



For Fine Portraiture

For artistic portraiture and studio photography the Heliar is unrivaled, possessing as it does those qualities so essential to good portraiture, perspective, modeling and an ability to secure shadow detail that imparts to the finished picture those luminous shadows so much desired. Its speed, flatness of field, critical definition and covering power leave nothing more to be desired.

The Ideal Lens for All-Around Studio Work

Heliar lenses are ideal for all types of photographic work and the photographer who is limited to the use of one lens for a wide variety of subjects, will find these lenses ideal. They are mounted in high speed Compound shutters, ready for installation on the camera. Exposure speeds from 1 to 1/75th second are provided as well as time and bulb. A real value at these new low prices.

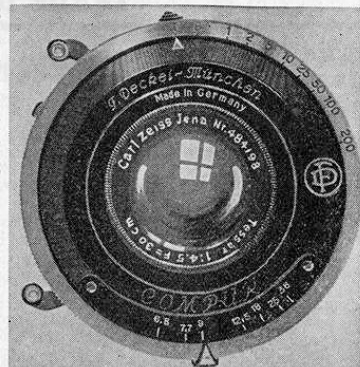
	Lens No. 3A	Lens No. 4	Lens No. 5	In Barrel Only
Equivalent Focus.....	8 3/4" (21cm.)	9 1/2" (24cm.)	12" (30cm.)	Lens No. 6
Size Plate Covered.....	5"x7"	5"x8"	6 1/2"x8 1/2"	14 1/2" (36cm.)
List Price in High-Speed Compound Shutters.....	\$85.00	\$110.00	\$160.00	\$175.00

Special Cash Discount of 40%.

GENUINE CARL ZEISS LENSES

For Hand Cameras and Enlargers

These genuine Carl Zeiss lenses represent an outstanding value at these special prices. Their wonderful reputation for quality enjoys world-wide recognition. They are fully corrected lenses in every sense of the word, producing crispy, critically sharp negatives. The sizes listed here are ideal for all small cameras or enlargers. So confident are we of the satisfaction you will receive from these fine lenses that we sell them to you on a five days trial basis. You are urged to put them to every conceivable test.



Genuine Compur Shutters

These fine Zeiss F:4.5 Tessar lenses are mounted in the new style Compur shutters, having the new delayed action feature. These shutters are of watch-like precision construction, accurately timed, providing a range of exposure speeds from 1 to 1/300th second, as well as time and bulb. Shutter speeds are secured by turning the outer milled ring—simplifying operation.

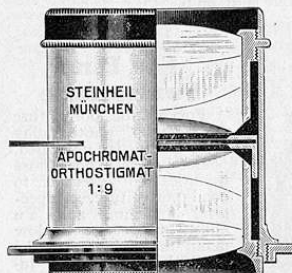
Prices Quoted Below Are Subject to 33 1/3% Cash Discount

Focal Length	Speed	Size of Plate Covered—Inches	In Mount with Iris Diaphragm	In Compur Shutter
Centimeters				
7.5cm.	F:4.5	2 1/4 x 3 1/4	\$36.00	\$40.00
9 cm.	F:4.5	2 1/2 x 3 1/2	38.00	42.50
10.5cm.	F:4.5	3 1/4 x 4 1/4	41.00	45.00
12 cm.	F:4.5	3 1/2 x 4 3/4	50.00	54.00
13.5cm.	F:4.5	4 x 5	53.00	57.50
15 cm.	F:4.5	4 1/4 x 6 1/4	56.00	60.00

STEINHEIL PROCESS LENSES

APOCHROMAT — ORTHOSTIGMAT

SERIES F:9



Designed primarily for use in photo-engraving and three color work, where extreme accuracy and the fullest possible correction are necessary. In reproduction work, because of the exact and critical definition required—coupled with the long focal length necessary for perfect reproduction in perspective, extra correction is necessary.

For Fine Three Color Work

Adaptable for use in the most exacting forms of three color work. With normal lenses the focal length of the red, blue and yellow rays are not equal, the angle of diffraction being different for each color, so that three color negatives made with such lenses do not exactly correspond and register with each other. The full correction of these fine Apochromatic-Orthostigmat lenses positively overcomes this condition, producing color negatives that register perfectly.

Adaptable to All Modern Process Work

These fine Apochromatic-Orthostigmat process lenses are regularly furnished with ordinary Waterhouse diaphragms with round apertures. They can be furnished on special request with Iris diaphragm in place of the Waterhouse stops without extra charge.

Reproduction Work

Constructed of special glass, without secondary spectrum, making possible the relatively high aperture of F:10. The optical raw glass is perfectly colorless—while the six cemented lenses are comparatively thin, eliminating much loss of light due to absorption and reflection. They are splendidly adapted to all types of reproduction work, even the most accurate line work.

Perfect Correction

The fine correction of the Apochromatic-Orthostigmats are so perfect, that these lenses, in spite of their relative rapidity, are ideal for use in all other kinds of reproductive work, up to the largest sizes in fine, exacting line work. These fine Apochromatic-Orthostigmat lenses are a truly universal lens, adaptable to every kind of modern process and copy work.

Focal Length cm. inches	Aperture mm. inches	Size of picture to be copied with		List Price Prism with rotating collar Additional
		f/18—f/50 full size cm. inches	in Barrel with Waterhouse Stops	
36 1 1/2	40 1 1/8	30x40 12x16	\$152.00	\$130.00
48 1 7/8	53 2 1/4	40x50 16x20	214.00	168.00
60 2 3/8	67 2 5/8	50x60 20x24	286.00	200.00
75 2 7/8	84 3 1/4	60x70 24x28	404.00	276.00
90 3 5/8	100 4	70x80 28x32	524.00	414.00

TRADE DISCOUNT 40%.

Exact Plane Surface



Steinheil Reversing Prisms

For Photographic, Copy and Photo-Engraving Work

The reversing prisms are designed for the most critical and difficult types of work, where extreme accuracy is paramount. They are made from the best annealed and carefully selected crown glass, provided with the most exact plane surfaces, providing a true reflected image, free from all distortion. They serve a real purpose in photo-engraving work, when the utmost accuracy is essential, and for regular copying and photographic work they cannot be excelled.

Silvered Hypothenuse

The highly silvered hypothenuse is accurately mounted and centered, provision being made for screwing it to the lens. It is fitted with a special rotating collar. It is not advisable to attach the prism behind the lens.

When fitting these reversing prisms to special lenses, accuracy is essential. We suggest that you send your lens in to us for proper, accurate fitting. A nominal charge is made for this service.

Prism No.	Aperture mm. inches	List Price Prism Only	Prism No.	Aperture mm. inches	List Price Prism Only
2	34 1 3/8	\$ 56.00	8	75 3	\$188.00
3	41 1 5/8	62.00	9	85 3 1/8	250.00
6	61 2 3/8	112.00	10	105 4 1/8	376.00
7	68 2 3/4	150.00	11	125 5	564.00

TRADE DISCOUNT 40%.

NEW ULTRA SPEED F:2.9 PLAUBEL ANTICOMAR

These fine super-speed Plaubel Anticomar lenses represent a real achievement in high speed lens design. Constructed to a precision standard as a highly corrected anastigmat. Speed is secured without loss of definition, and no compromise has been made with correction to secure speed.

Ideal for the Graflex

In sunk barrel mounts and Iris diaphragm, they are ideal for use with Graflex and similar high speed cameras, where the super-speed of these lenses can be used to full advantage. In all types of action photography, where it is necessary to arrest motion, they are ideal. Their ultra speed assures well exposed negatives on dark, cloudy days, and even night photography, theatre scenes, etc., are easily possible.

Highly Corrected Anastigmat

Furnished in two sizes only, both fitted with metal front flanges to fit Graflex cameras. The 15cm. (6") focal length lens is ideal for the 3 1/4"x4 1/4" Series D Graflex and the 18cm. (7 1/8") focal length lens is for the 4"x5" size Graflex. These lenses can be furnished with regulation lens flanges on request.

Trade In Your Old Lens

Your old lens will be accepted as part payment on a new Plaubel Anticomar. Write us fully describing your old lens and we will forward you a liberal offer by return mail.

Speed F:2.9 - 6 in. (15cm.)

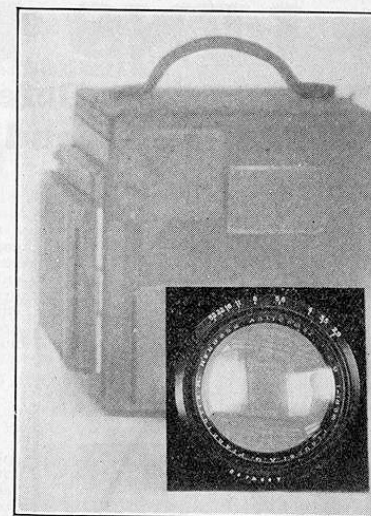
In sunk mount with Iris diaphragm and special Graflex front board, ready for installation on a camera. A real value at this low price.

LIST PRICE, \$75.00
EACH

Speed F:2.9 - 7 1/8 in. (18cm.)

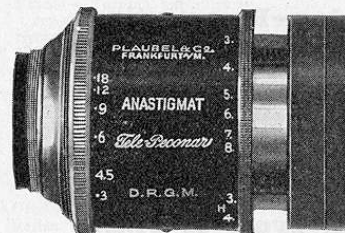
In sunk mount with Iris diaphragm and special Graflex front board, ready for installation on cameras. Highly recommended.

LIST PRICE, \$87.50
EACH



PLAUBEL TELE-PECONAR ANASTIGMAT

A UNIVERSAL TYPE TELE-PHOTO LENS



A popular type of Tele-Photo lens that offers the greatest possible range of focal lengths, yet, not bulky. It fits any standard shutter of No. 0 size or larger and can be fitted to any standard lens flange by the use of an adapter ring. Moderately priced.

For use on any Camera

Can be used on any camera equipped with a ground glass focusing screen and sufficient bellows extension to take care of the greater magnifications. The lens is easily adjusted to any desired magnification, the bellows extend and final adjustment made by visual focusing on the ground glass, producing a critically sharp image.

Easy to Focus

The actual working aperture of the Tele-Peconar is found by merely multiplying the indicated diaphragm aperture by the number of magnifications. With the diaphragm ring set at F:9, and a three times magnification the actual speed would be F:2.7; at four magnifications it would be F:3.6.

Variable Magnification

In making portraits with the Tele-Peconar, the camera bellows should be extended, the camera set 8 or 10 feet from the subject and while watching the image in the ground glass, turn the magnification ring until the image appears sharp. Final critical focusing should then be done with rack and pinion.

Critical Definition

With the Tele-Peconar, the degree of magnification is adjustable and critically sharp images are secured at any magnification. A universal Tele-Photo lens.

Lens No.	Plate Size cm. inches	Speed	List Price
1	9x12 3 1/4 x 4 1/4	F:3	\$42.50
2	10x15 4x6	F:4.5	47.50
3	13x18 5x7	F:4.5	50.00

Liberal Trade-in Allowance

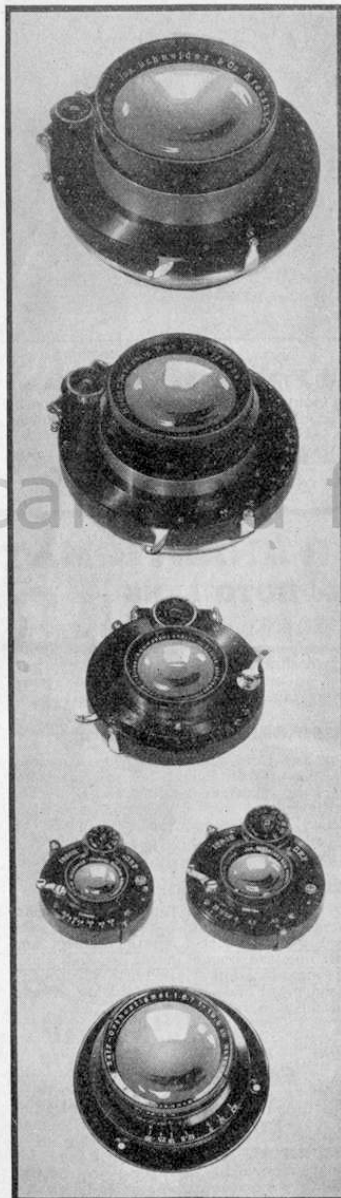
Your old lens will be accepted as part payment on the Tele-Peconar. Write, describing your lens and we will forward our liberal offer by return mail.

For All Subjects

Each Tele-Peconar is furnished with a sun shade, a leather case and either an adapter ring or a regular flange for fitting to camera. A splendid value for a quality lens.

• LENS REPAIRS •

**Your Broken, Defective Discarded Lenses
Can Be Reconditioned — Like New**



Old lenses regardless of their condition or make can be repaired and reconditioned like new. Broken or cracked lens elements can be replaced, the entire lens cleaned and recemented restoring it to its original condition—and imparting to it the same efficiency it had when new. Prices for this service are extremely low. Get out that old discarded lens now and have it reconditioned like new.

Cracked or Broken Lenses

Cracked, broken or chipped lenses can be replaced. Individual lens elements can be ground to the same formulae as the original—the entire optical system reassembled, properly cleaned and cemented, restoring to the lens its original characteristics and operating efficiency. All types of optical systems can be handled whether of American or foreign manufacture—including taking lenses, projection lenses and all other forms of optical systems.

Reconditioning Lenses

Many lenses under certain conditions of humidity and climatic temperature changes tend to slip in their mounts, impairing their efficiency. They lose definition and covering power. Such lenses can be demounted, cleaned, recemented and reassembled, restoring them to their original condition and efficiency. All surface scratches can be removed and the entire lens repolished.

Cleaning—Recementing

Many lenses now in use are operating at a fraction of their rated efficiency, due to the discoloration of the cement used in their assembly and the grease and grime that has gathered on their surfaces. Such lenses can be quickly reconditioned, repolished and recemented, restoring their original efficiency. Our laboratory facilities for servicing lenses is of the finest. Expert workmanship and careful testing puts new lens quality into all reconditioned lenses.

For All Types of Lenses American or Foreign

This reconditioning service applies to all types of lenses and optical systems—of both domestic and foreign manufacture. Taking lenses, optical systems or other optical or photographic products can be economically handled. Lenses may also be mounted in shutters when so ordered. Refer to Page 49 for a complete list of shutters.

WRITE FOR PRICES

When writing for prices on lens repairing, state in detail the present condition of your lens, the nature of the reconditioning required and the type and make of the lens. Upon receipt of this information estimates of prices for this service will be supplied promptly.

SAVE THAT OLD LENS



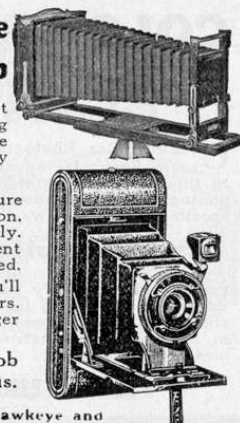
Your Camera Repairs Deserve This Superior Workmanship

Your camera repair work is so important that you'll value the superior workmanship and painstaking care employed in our camera repair department. We consider every repair job—however small—as highly important to you.

Any instrument from box type to motion picture machine repaired with the utmost care and precision. Bellows and replacement parts furnished quickly. Lenses and shutters expertly repaired. Complete repair department of the highest class for Universal motion picture cameras maintained.

We handle your work so skillfully, so economically that you'll want to make our department your camera repair headquarters. This department is manned by experts of the highest type—all eager to carry out the Burke & James aim of Superior Service Always.

Use our expert camera repair department, where every job is considered important. Send your camera repairs to us.



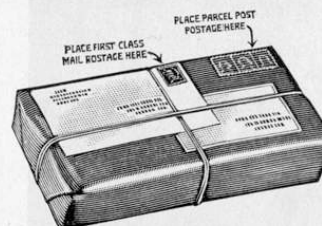
Prices for Repairing Rexo, Ingento, Conley, Seneca, Hawkeye and Eastman Roll Film and Pack Cameras

List Price	List Price
Bed Brace or Side Arm for Rexo Cameras.....\$1.00	U Standard for Rexo 1A Camera not installed.....\$2.75
Bed Brace or Side Arm for other models.....1.25	U Standard for Rexo No. 3 or 3A Camera installed.....4.75
Bellows, Leather, Vest Pocket (includes fitting).....2.75	U Standard for Rexo No. 3 or 3A Camera not installed.....3.75
Bellows, Leather, Vest Pocket (not fitted).....1.75	Handles.....1.00
Bellows, Leather—No. 1 (Coat Pocket), includes fitting.....3.00	Lock, Front Door......75
Bellows, Leather—No. 1 (Coat Pocket), not fitted.....2.00	Lock, Back......75 and up
Bellows, Leather—1A (includes fitting).....3.50	Regule Leather and repair covering......75 and up
Bellows, Leather—1A (not fitted).....2.50	Refinish Leather and Refocus Camera.....1.00
Bellows, Leather—2C, 3 and 3A, (includes fitting).....4.50	Ruby Windows......35
Bellows, Leather—2C, 3 and 3A, (not fitted).....3.50	Shutter Repairs—Up to 3 speeds and T-B.....1.50
Finder—Furnish parts, clean, repair and align......75 and up	Shutter Repairs—Over 3 speeds, including Optimo, Acme Compound and Compur.....3.00
New Finders Rexo Cameras, installed.....2.25	Extra Charge—Clean Oil-soaked Shutters.....1.50
New Finder other models, installed.....2.25 to \$3.00	Extra Charge—On Shutters over 7 years old add 40% to above prices.
Front Standard repair and Track repair.....1.00 and up	Winding Key—Vest Pocket only..1.00 to \$1.50
U Standard for Rexo 1A Camera installed.....3.75	Winding Key—All other models...1.00 to 3.00
	New Winding Key for Box Cameras......75 to 1.00
	Any other necessary repairs on Box Cameras......50 to 1.00

GRAFLEX AND REFLEX CAMERA REPAIRS

Graflex Shutter cleaned and repaired.....	\$4.50 to \$7.00
Reflex Shutter cleaned and repaired.....	4.50 to 7.50
Foreign Reflex Cameras Shutters cleaned and repaired.....	5.00 to 8.50
Re-register Graflex Mirror with ground glass.....	1.75 and up
Re-register Foreign Reflex Mirror with ground glass.....	1.75 and up

Discounts to Dealers and Finishers 25% from above prices.



Follow These Instructions When Sending Cameras in for Repairs

Estimates—Repairs or parts on focal plane, Packard and Silent shutters, cabinet work, motion picture work, foreign cameras, view cameras, etc., furnished upon request.

Send complete instructions with all cameras so that your repair work will receive prompt attention.

When possible attach instructions to package as shown in illustration.

COLOR FILTER PHOTOGRAPHY

For Natural Monochrome Rendering Of All Colored Subjects, Paintings, Flowers, Etc.

COLOR Filter Photography is now commanding the attention of all progressive photographers. Its advantages are so quickly recognized that it may be narrowed down to this simple explanation. It is the Photography of Colors—to produce in monochrome, photographs of landscapes, clouds, flowers, paintings etc., with correct color-values, specimens of which we illustrate with the half-tone cuts below.

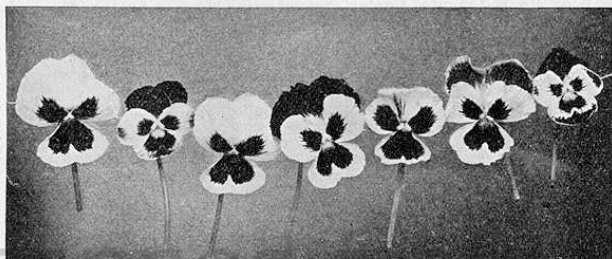
Spectroscopically Tested

Rexo color filters are spectroscopically tested and accurately measured to properly cover the color band for which they are designed. They represent a distinct advance in the scientific construction of accurately measured filters.

Fit Over Regular Lens

Filters are mounted in highly polished metal cells that cap over the regular lens of the camera. Rubber covered adjustable springs hold them securely in perfect plane with the regular lens. Instantly put on or removed.

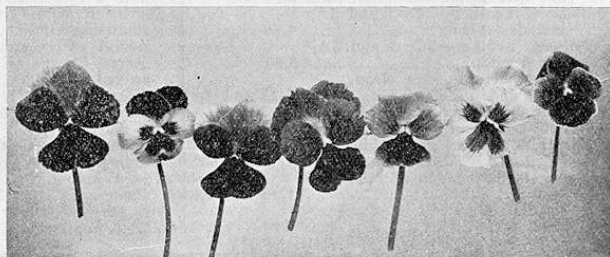
Flower Illustration Made With Series A Filter



The half-tone illustration at the left shows a rendering of highly colored flowers, made with the use of a standard series A Rexo filter. Compare this illustration with the one below. Note the differentiation in the tone rendering of colors that ordinarily photograph in one even monochrome.

Flower Illustration Made Without a Color Filter

The half-tone illustration at the right was made on regular orthochromatic film without the use of a color filter. Its tone value is not a true rendering of the color values in the original subject. The blue colors photograph too light while the red colors reproduce too dark.



Accurately Measured Filters in Ground Glass

Rexo color filters are made on White Optical Crown glass discs, ground and polished on both sides. The colored film is between two such discs and all are cemented together to form one permanent homogeneous filter. Every color filter is spectroscopically tested and fully guaranteed. Mounted in nickel-plated cells with rubber covered adjustable springs.



Made with a Series "A" Rexo Color Filter—A three times Filter.

Rexo Color Filters

THE QUALITY FILTER AT A POPULAR PRICE

These simple attachments, mounted in flanged cells that slip handily over the camera lens, serve to intensify the contrast of your snow pictures. The series A with a slight increase in the exposure period, will bring out sunlight and shadow effects with a most pleasing clarity.

If greater contrast than that afforded by the Series A Color Filters is desired, Series B or Series C are recommended. Longer exposures are necessary. Series C is also ideal for reducing the haze in distant outdoor work.



Series A Filters for Medium Color Correction

THE SERIES A is a three times filter, and can be used with any make of dry plates or film 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. Use Series A filter with Verichrome or Plenachrome film.

Series B Filters for Positive Color Correction

REXO COLOR FILTER SERIES B (Wallace Visual Luminosity) is a new departure in Color Filters as radical and as far advanced over the ordinary "adjusted" filter as the dry plate is over the daguerrotype.

The Rexo color filter Series B was designed by Mr. R. James Wallace, F.R.A.S.A.P.S. instructor in Photophysics at the Yerkes Observatory of the University of Chicago. Mr. Wallace is well known as final authority on all matters pertaining to orthochromatic photography, his whole working lifetime having been devoted to research, demonstrating and teaching along this line. The Rexo Series B is the highest achievement in color filters, it having been originally designed for critical scientific use. In the possession of such a filter, you get the benefit of this experience, and get a color filter that is not approximately, but absolutely correct.

The Rexo Series B is ideal for panchromatic plates and films and is the most rapid in action of any accurately measured filter yet made. This permits its use on work where ordinarily the increase in exposure time necessary with any other "adjusted" filter would prevent its employment. This filter requires eight times normal exposure.

Series C Filters for Professional Use

THE SERIES C FILTER is particularly suitable for the photography of sky effects, clouds, paintings and open seascapes, where it is necessary to give a pronounced and decided color value. This series is an absolute filter for all makes of isochromatic or orthochromatic plates. It differs from the Series B as its action is confined to a very much narrower portion of the spectrum, the ultra-violet, violet-blue and blue green being absorbed. It is a sixteen times filter and is used by the advanced amateur and professional photographer.

Size No.	Diam.	Price Series A	Price Series B & C	Size No.	Diam.	Price Series A	Price Series B & C
0	7/8 in.	\$.75	\$1.00	8	2 1/2 in.	\$3.25	\$3.75
00	1 1/8 in.	1.00	1.25	9	2 3/4 in.	3.50	4.25
1	1 5/16 in.	1.25	1.50	10	3 in.	4.00	5.00
3	1 7/16 in.	1.25	1.50	11	3 1/4 in.	4.50	5.50
4	1 1/2 in.	1.50	1.75	12	3 1/2 in.	5.25	6.25
5	1 3/4 in.	2.00	2.50	13	4 in.	6.00	7.00
6	2 in.	2.25	3.00	14	4 1/2 in.	6.75	7.75
7	2 1/4 in.	2.75	3.25				

Please specify the outside diameter of your lens barrel when ordering as the filters are made to slip over the lens

Trade Discount 33 1/3%; Dozen assorted 40%

SUPPLEMENTARY PORTRAIT AND COPYING LENSES



These lenses when slipped over the regular lens of your camera, change its focal length—adapting it to portrait, copying and other types of work.



REXO PORTRAIT LENS

The Rexo Portrait Lens is placed in front of the regular lens and effects an optical combination that changes it from a simple lens, that normally produces negative images on a relatively small scale, to a practical, quick-acting portrait lens that enables the operator to produce portraits as large as the size of the plate in use permits.

The use of the Rexo 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.

No.	Diameter	Cat No.	Price
0	7/8"	B-650	\$1.00
00	1 1/8"	B-664	1.25
1	1 1/8"	B-651	1.50
4	1 1/8"	B-654	1.75
6	1 1/2"	B-656	2.00
8	1 3/4"	B-658	2.50
9	2"	B-659	3.00
10	2 1/4"	B-660	3.50
11	2 1/2"	B-661	4.00
12	2 3/4"	B-662	4.50
13	3"	B-663	5.00

Specify outside diameter of lens barrel when ordering as lens holders are made to slip over the lens.

REXO ENLARGING AND COPYING LENS

The Rexo 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.

No.	Diameter	Cat No.	Price
0	7/8"	B-600	\$1.00
00	1 1/8"	B-618	1.25
1	1 1/8"	B-601	1.50
4	1 1/8"	B-604	1.75
6	1 1/2"	B-606	2.00
8	1 3/4"	B-608	2.50
9	2"	B-609	3.00
10	2 1/4"	B-610	3.50
11	2 1/2"	B-611	4.00
12	2 3/4"	B-612	4.50
13	3"	B-613	5.00

Specify outside diameter of lens barrel when ordering as lens holders are made to slip over the lens.

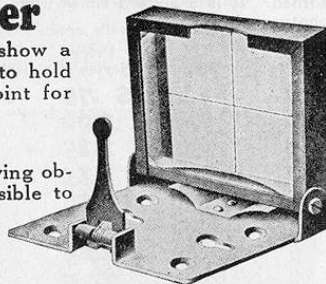
Discount 33 1/3%; Half dozen assorted 40%.

Rexo Direct View Finder

These are the only perfect finders. They show a brilliant, erect image, and enable the operator to hold camera at the level of the eyes, the correct point for proper perspective.

For Accurate Sighting

They are indispensable in photographing moving objects, as by means of the metal sight it is possible to get the object in the exact center of the plate, if desired. Well made and compact, and fold flat when not in use.



LIST PRICES

SIZE 3 1/4 x 4 1/4	SIZE 4x5	SIZE 5x7	SIZE 6 1/2 x 8 1/2	SIZE 8x10
List \$1.75	List \$1.85	List \$2.50	List \$4.00	List \$5.00

Trade Discount 15%; Two or more 33 1/3%.

The Rexo Duplicator

Makes two pictures on the same plate or film



By attaching the Duplicator to the lens of any camera, a person or persons can be photographed in two positions in 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.

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

No. 0 Duplicator
7/8 inch diameter, list price **40c**

No. 00 Duplicator
1 1/8 inch diameter, list price **50c**

No. 1 Duplicator
1 1/8 inch diameter, list price **50c**

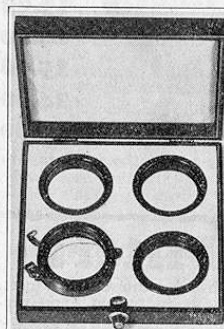
No. 2 Duplicator
1 1/8 inch diameter, list price **60c**

No. 5 Duplicator
2 inch diameter, list price **75c**



Trade Discount 33 1/3%; Six asstd. 40%; Half Gross asstd. 50%.

Rexo Supplementary Lens Outfit



This complete lens outfit helps make any camera complete. Merely slip the proper attachment over the camera lens hood (or front flange) and you have a unit for either shortening or increasing the focus.

This outfit consists of three supplementary lenses for shortening the focus (for wide angle effects) and one for increasing the focus (for telephoto effects.) Complete with a spring holder. Supplied only in the three sizes listed below.

1 1/8" (31mm.)
LIST PRICE
per set in case
\$6.50

1 1/2" (39mm.)
LIST PRICE
per set in case
\$7.50

2" (51mm.)
LIST PRICE
per set in case
\$11.00

Trade Discount 33 1/3%; Lots of Six 40%.

Ideal Round Sky Filters

Here is an inexpensive round sky filter of the graduated type that will produce wonderful cloud and sky effects. They are supplied with our regular spring holders in individual case. Made in the following popular sizes to fit on lens hood or front.

2 INCH
LIST PRICE
\$5.50

1 1/2 INCH
LIST PRICE
\$3.75

1 1/4 INCH
LIST PRICE
\$3.00

1 INCH
LIST PRICE
\$2.60

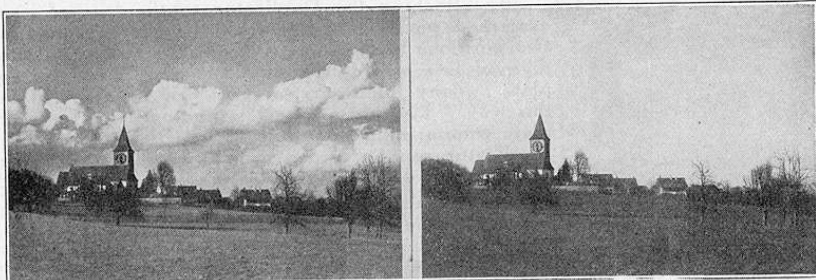
Trade Discount 33 1/3%; Lots of Six 40%.

Specify outside diameter of lens barrel when ordering as filters are made to slip over lens.



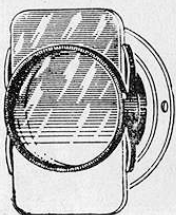
Rexo Graduated Sky Filters

They Put the Clouds in Your Pictures



With Sky Filter

Without Sky Filter



The Rexo filters fill a long felt want for such an accessory. Their need is unquestioned by professional and amateur photographers. There have been many such filters offered in the past but all differed widely from the Rexo. All were composed of two pieces of more or less perfect glass in between which was generally cemented a piece of stained gelatine. The Rexo IRIS sky filters are constructed of two pieces of carefully selected glass, one yellow and one white. These are wedge-shaped and fused together, no cement being used; they are then carefully ground and polished.

The especially constructed holder, fitting any lens, enables one to obtain any degree of gradation as well as the entire yellow portion. The yellow portion when used alone gives an exposure of about 3x.

List Prices - Complete with Holder

App. Size	Plain Holder as Illustrated	App. Size	Plain Holder as Illustrated
$1\frac{1}{8}$ inch	\$2.00	$2\frac{1}{8}$ inch	\$ 9.00
1 inch	2.75	$2\frac{3}{4}$ inch	13.00
$1\frac{1}{8}$ inch	3.25	$2\frac{7}{8}$ inch	14.00
$1\frac{3}{8}$ inch	4.60	$3\frac{1}{8}$ inch	15.00
$1\frac{1}{2}$ inch	6.00	$3\frac{7}{8}$ inch	24.00
$1\frac{3}{4}$ inch	6.50	$4\frac{1}{8}$ inch	30.00
$1\frac{7}{8}$ inch	7.00		

Please specify the outside diameter of your lens barrel when ordering as the holders are made to slip over the lens.

TRADE DISCOUNT 40%.

The New U. V. Rapid Filters

A filter of uniform pale green optical glass, that completely absorbs the Ultra Violet. Sky filter effects for cloud, snow and sea pictures are made without increased exposure. Accurately ground and polished.

Order No.	Diameter	Fitting Lens Mounts	List Price
6311	19mm.	$\frac{3}{8}$ " to $\frac{7}{8}$ "	\$2.20
6321	25mm.	$\frac{3}{8}$ " to 1"	2.50
6331	31mm.	$\frac{7}{8}$ " to $1\frac{1}{4}$ "	3.00
6341	39mm.	$1\frac{1}{8}$ " to $1\frac{3}{8}$ "	4.00
6351	51mm.	$1\frac{3}{8}$ " to 2"	5.50

Trade Discount 15%; Three or more 33 1/3%.



Rexo Focusing Magnifiers

For Critical Ground Glass Focusing

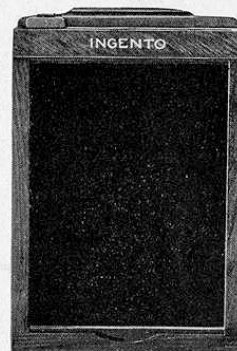
This device is ideal for accurate focusing and where absolute sharpness is essential. This is a very useful magnifier for examining the image on the ground glass, especially when the subject is poorly illuminated, as in the case of many interiors. Having a high magnifying power, they are a most handy and convenient aid in ascertaining a very sharp focus.

Rexo Focusing Magnifier, list price, each **\$1.50**

Trade Discount 15%; Three or more 33 1/3%.

Ingento Plate or Film Holder

With Flexible Valves - New Low Prices



The Ingento Plate and Film Holders are made of specially selected, thoroughly seasoned cherry, hand-somely finished. They are light, strong and compact, the joints are dovetailed, insuring the maximum strength and durability.

Guaranteed Light Tight

Our holders are fitted with a newly designed light-tight cutoff, which absolutely prevents light entering the holder while the slide is being inserted or withdrawn.

Easy to Load and Unload

Ingento Holders are supplied with pressboard slides, which offer many advantages over the hard rubber. They will not electrify, collect dust, crack or split. They are unaffected by changes in temperature. Our holders are of standard size and design, and will fit all modern cameras, including Eastman and Korona.

List Prices of Ingento Holders

$3\frac{1}{4} \times 4\frac{1}{4}$	$3\frac{1}{4} \times 5\frac{1}{2}$	4x5	5x7	$6\frac{1}{2} \times 8\frac{1}{2}$	7x11	8x10	10x12	11x14
\$2.00	\$2.00	\$2.00	\$2.25	\$2.50	\$2.75	\$2.75	\$8.00	\$8.00

METAL PLATE HOLDERS FOR IMPORTED CAMERAS

6x9cm.—List Price, each	90c	6 1/2 x 9cm.—List Price, each	90c	9x12cm.—List Price, each	\$1.00
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When ordering specify make of camera or send sample for matching.

Trade Discount 10%; Six 15%; Dozen 33 1/3%.

Film Pack Adapters For Plate Cameras

An Essential Camera Accessory

Converts any plate camera into a film camera. They slip into the camera like a plate holder. No dark room is required to load or unload. The film pack is held securely in place by two positive retaining clips on either side of the adapter. Rigidly and accurately constructed, nothing to get out of order.

Of Substantial Construction

These adapters are interchangeable with the regular plate holders. It is easily loaded with the film pack in daylight. It is absolutely light tight, preventing fogging of the films. A dark slide is furnished with the adapter making it possible to use the ground glass for focusing purposes while using films.

Size—Inches	Graflex	Korona	Kodak
$2\frac{1}{4} \times 3\frac{1}{4}$	\$5.50		
$3\frac{1}{4} \times 4\frac{1}{4}$	5.50	\$2.00	\$2.00
4 x 5	6.50	2.25	2.00
3 x $5\frac{1}{4}$			2.00
$3\frac{1}{4} \times 5\frac{1}{2}$	6.50	2.25	2.00
5 x 7	8.50	3.00	2.75

Trade Discount 10%; Six Assorted 25%.

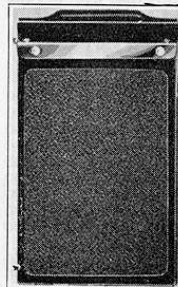


Film Pack Adapters—For Imported Plate Cameras

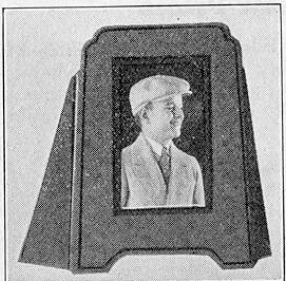
These high grade film pack adapters will fit practically all types of imported plate cameras. Of all-metal construction, beautifully finished with leather covered back. The standard 9x12 cm. size is furnished with a reducing kit adapting it for use with all standard $3\frac{1}{4} \times 4\frac{1}{4}$ inch film packs. They are furnished complete with dark slide ready for installation on the camera.

$2\frac{1}{4} \times 3\frac{1}{4}$ Inch	$3\frac{1}{4} \times 4\frac{1}{4}$ Inch
For all $6\frac{1}{2} \times 9$ cm or $2\frac{1}{4} \times 3\frac{1}{4}$ inch cameras. A real value.	For all 9x12cm. or $3\frac{1}{4} \times 4\frac{1}{4}$ inch cameras. Highly rated.
List Price..... \$4.50	List Price..... \$5.00

Trade Discount 33 1/3%.



The Newest in Small Photo Mounts • The Rexwood Easel Mount



A slip-in Easel of varitone cardboard, flexible for quick handling. Neat printed border. Will fit Ve-Ja-De and Dunker camera pictures. Cut out opening $1\frac{1}{2} \times 2\frac{1}{4}$ inches for prints $1\frac{1}{2} \times 2\frac{1}{2}$ inches or larger. Outside dimensions $3\frac{1}{2}$ inches wide by 4 inches high.

Commercial finishing plants will find them a fine item for use as a premium in framing the print they recommend for enlargement. The extremely low price at which these mounts are offered should prompt all studios to make free use of them.

Per 500	Per 1000	Per 2000	Per 5000
\$5.75	\$8.95	\$16.50	\$40.00

The New Arkright Slip-In Mounts

Slip-in Mount. Photo gray in color with rare tone dark gray printed border; cut out opening $1\frac{1}{2} \times 1\frac{1}{2}$ inch for prints $1\frac{1}{2} \times 1\frac{1}{2}$ inches or larger. Outside dimensions $3 \times 4\frac{1}{2}$ inches.

We have reduced the price on these attractive mounts to actual cost. Photographers should stock up now while these low prices remain in effect. The Arkright is a quality mount that is bound to please the most discriminating.

New Low Net Prices

Per 500	Per 1000	Per 2000	Per 5000
\$3.95	\$6.95	\$12.95	\$28.95



The Artistic New Woodelm Mounts

A larger slip-in mount of real artistic appearance. Finished with a beautiful metallic inside and outside border, on heavy gray stock. New arch effect. Prints slip in quickly from the top. Outside dimensions of mount are $3\frac{1}{2} \times 5\frac{1}{2}$ inches. Opening size of cut out is $2\frac{1}{2} \times 3\frac{1}{2}$ inches; for pictures $2\frac{1}{2} \times 3\frac{1}{2}$ inches or larger. Will fit Ve-Ja-De 70 pictures.

Our new low price of less than one cent apiece for these beautiful Woodelm Mounts presages a rush of orders.

New Low Net Prices

Per 100	Per 500	Per 1000	Per 2000	Per 5000
\$1.15	\$4.95	\$8.95	\$16.95	\$39.50



New Improved Silent Shutter

For Studio Cameras

The SILENT STUDIO SHUTTER has been very popular with photographers for a number of years on account of its silent opening.

The only criticism that has been offered is, that it was necessary to change the rubber discs occasionally and the use of the shutoff when it was desired to have the shutter remain open.

PLAIN BEARING SILENT

Including bulb and 5 feet of tubing

Opening	Outside	
2-inch, 4	$4\frac{1}{2} \times 5\frac{1}{4}$	single wing.....\$6.00
2½-inch, 4½	$5\frac{1}{4} \times 6\frac{1}{4}$	double wing.....6.00
3-inch, 5	$5\frac{1}{2} \times 6\frac{1}{2}$	double wing.....6.50
3½-inch, 5½	$6\frac{1}{4} \times 7$	double wing.....7.00
4-inch, 6	$6\frac{1}{2} \times 7\frac{1}{4}$	double wing.....7.50
4½-inch, 6½	$7\frac{1}{4} \times 8\frac{1}{4}$	double wing.....8.00
5-inch, 7	$7\frac{1}{2} \times 8\frac{1}{2}$	double wing.....9.00
5½-inch, 7½	$8\frac{1}{4} \times 9\frac{1}{4}$	double wing.....10.00
6-inch, 8	$8\frac{1}{2} \times 9\frac{1}{2}$	double wing.....11.00

Discs and Bracket (for old style shutters)......55

Metal Pump for new style shutter..... 1.00

TRADE DISCOUNT 15%. THREE ASSORTED 25%. SIX ASSORTED 33½%.

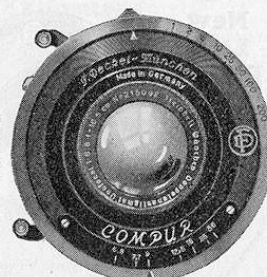


Shutters of Proven Value

COMPUR CAMERA SHUTTERS



Compur Regular Shutter



Compur Self-Timing Shutter

Compact — Accurate — Positive in Action

The wonderful reputation of these fine Compur shutters is reflected in the long list of lens manufacturers who use these shutters as standard equipment. Their watch-like precision construction provides a mechanism so perfected that each and every exposure is timed exactly as indicated on the dial. Variable speeds from 1 to 1/300th second, as well as time and bulb are provided. The self-timing feature on the two latest models are so arranged that a time lapse of approximately 9 seconds takes place between release of the shutter and the shutter action.

Number	Maximum Speed	Lens Opening Inches mm.	Shutter Only
00	1/300th Second	$\frac{7}{8}$ 25	\$15.65
0A	1/250th Second	$\frac{1}{8}$ 29	16.00
0N	1/250th Second	$\frac{1}{4}$ 30	16.00
0S (self timing)	1/200th Second	$\frac{1}{4}$ 30	17.25
I/3	1/200th Second	$\frac{1}{8}$ 35	12.75
IS (self timing)	1/200th Second	$\frac{1}{2}$ 38	20.50
II/4	1/200th Second	$\frac{1}{2}$ 41	22.80
II/5	1/200th Second	$\frac{1}{4}$ 44	24.80

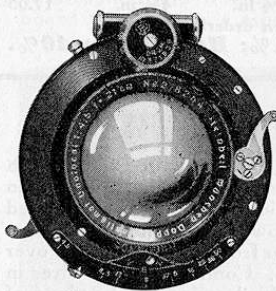
TRADE DISCOUNT 33½%.

NOMINAL FITTING CHARGE \$4.00 TO \$8.00 NET EXTRA.

COMPOUND SHUTTERS

Accurate — Positive

A new, practical type of camera shutter employing the air brake principle. Leading lens manufacturers of the better types of portrait or commercial lenses equip them with Compound shutters. Home portrait photographers are assured of even exposures when using this type of shutter. Instantaneous exposures are made by setting the lever on the right side of the shutter. Made of aluminum handsomely finished in black.



Compound Shutter

Number	Maximum Speed	Lens Opening Inches mm.	Shutter Only
III/7C	1/100th	$2\frac{3}{4}$ 55	\$27.00
IV/10C	1/75th	$2\frac{5}{8}$ 67	31.00
V/12C	1/50th	$3\frac{1}{4}$ 83	36.00

TRADE DISCOUNT 33½%.

FITTING CHARGE OF \$4.00 TO \$8.00 NET EXTRA.

IBSOR CAMERA SHUTTERS

A Quality Instrument

A high grade, accurately designed shutter intended for use on all types of hand cameras, and for use with all small aperture lenses. It is a shutter that requires no setting between exposures. It is always ready for use. Their quality is such that we do not hesitate to recommend them as a highly practical and dependable between-the-lens shutter. Beautifully finished in black.

Number	Maximum Speed	Lens Opening Inches mm.	Shutter Only
001	1/125th	$\frac{1}{8}$ 29	\$8.50
0A1	1/100th	$\frac{1}{4}$ 30	8.50
0N1	1/100th	$\frac{1}{8}$ 35	8.50
I/3 1	1/100th	$\frac{1}{2}$ 38	9.90
IS 1	1/75th	$\frac{1}{4}$ 44	9.90

TRADE DISCOUNT 33½%.

FITTING CHARGE OF \$3.00 TO \$5.00 NET EXTRA.



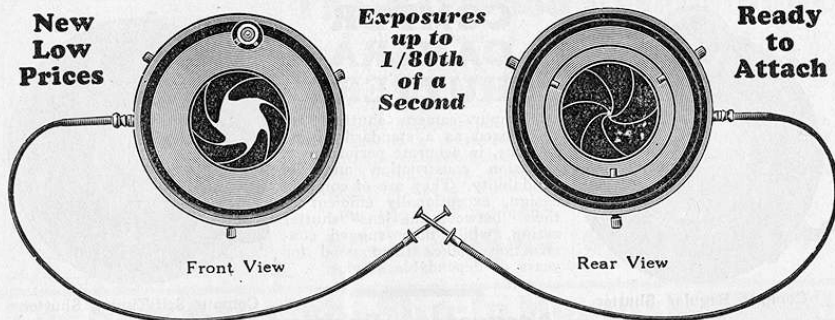
Ibsor Automatic (non-setting) Shutter

Rexo Front Shutters

New
Low
Prices

Exposures
up to
1/30th
of a
Second

Ready
to
Attach



The new REXO Front Camera Shutter is the latest development in before the lens shutters and is suitable for both time and instantaneous exposures. The principle and mechanism is the same as employed by the best between the lens shutters and gives the operator the same convenience and accuracy combined with its ready use. This shutter will soon pay for itself in savings of time and money by making correct exposures.

This shutter is attached to the front of the lens by three positive set screws. It is the only successful quiet shutter that can be attached quickly. It will make instantaneous exposures which are regulated by varying the pressure of the release. Instantaneous exposures can be made up to 1/80th of a second.

Time exposures are quickly made by setting time button. Bulb exposures can also be made. For focusing set button to mark O (open). A 16-inch release is furnished with each shutter.

Prices and Description

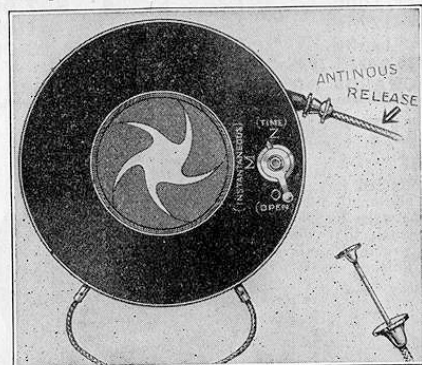
Size	Fits Lens Barrel Diameter	Diaphragm Opening Diameter	Price	Size	Fits Lens Barrel Diameter	Diaphragm Opening Diameter	Price
1	1 1/8 in.	1 1/8 in.	\$6.00	6	3 1/8 in.	2 7/8 in.	\$ 8.00
2	1 1/4 in.	1 1/4 in.	6.50	7	3 1/2 in.	2 7/8 in.	9.00
3	2 in.	1 1/2 in.	7.00	8	3 3/4 in.	3 1/8 in.	10.00
4	2 1/8 in.	1 3/4 in.	7.25	9	4 in.	3 1/2 in.	11.50
5	2 1/4 in.	2 in.	7.50	10	4 1/8 in.	4 in.	12.50
				11	4 1/2 in.	4 1/8 in.	17.00

Specify outside diameter of lens barrel when ordering.

Trade Discount 15%; Two 25%; Three 33 1/3%; Half Dozen 40%.

Ingento Photo Flash Front Shutter

The Ingento Photo Flash Front Shutter is made for use with Photo Flash Bulbs. The shutter and the flash go off simultaneously. It is now possible to make pictures up to a speed of 1/75th per second. Pictures made in daylighted rooms show no halation. Shutter attaches to front of lens and fits over the barrel. Connect shutter wires in series with electric wire in place of switch. Specify outside diameter of lens barrel when ordering.



To fit over Lens Barrel Size:	Price Each
1 1/2 inches.....	\$ 9.00
1 3/4 inches.....	9.75
1 7/8 inches.....	10.50
2 1/4 inches.....	11.00
2 1/2 inches.....	11.50
3 1/8 inches.....	13.50
3 1/2 inches.....	14.50
4 inches.....	17.50
4 1/2 inches.....	21.50

Specify outside diameter of lens barrel when ordering.

Trade Discount 10%; Two 25%; Three 33 1/3%; Half Dozen 40%.

Packard-Ideal Shutters No. 6 and No. 8

For Time and Instantaneous Exposures

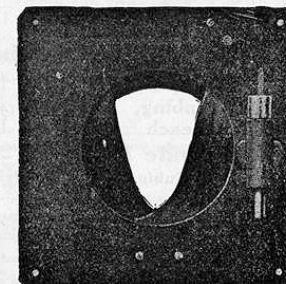
The new No. 6 Studio Camera Shutter for "time" or "instantaneous" exposures is very fast. In construction it is the same as the No. 5, with the addition of the instantaneous arrangement. The Packard Two-Way No. 8 Shutter eliminates the use of the instantaneous pin. Two pumps operated with separate bulbs, allow immediate action for either time or instantaneous exposures. These bulbs of different color indicate instantly to the operator how to obtain the exposure desired. Red for time exposures; white for instantaneous exposures.

PACKARD NO. 6

Diam. Opening	Outside Dimen.	Each
1 1/2 in.	3 1/4 in. sq.	\$8.00
1 3/4 in.	3 1/2 in. sq.	8.00
2 in.	4 in. sq.	8.50
2 1/4 in.	4 1/2 in. sq.	8.50
2 1/2 in.	4 3/4 in. sq.	8.50
2 3/4 in.	5 in. sq.	9.00
3 in.	5 3/4 in. sq.	9.00
3 1/4 in.	6 in. sq.	9.00
3 1/2 in.	6 1/2 in. sq.	9.00
3 3/4 in.	7 in. sq.	9.75
4 in.	7 1/2 in. sq.	9.75
4 1/2 in.	8 in. sq.	11.00
5 in.	8 1/2 in. sq.	12.00

PACKARD
IDEAL
NO. 8
Each

Price
\$10.00
10.50
10.75
10.75
11.00
11.00
11.50
12.00
12.50
13.00



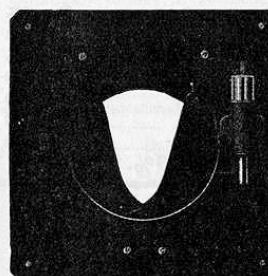
Trade Discount 15%; Three assorted. 33 1/3%; Six assorted 40%.

Packard-Ideal Shutter No. 5

For Time Exposures

The Packard Camera Shutter No. 5 has three wings with the special advantage of a very large opening in a very small shutter. It is nicely finished, simple in construction and works smoothly and lightly. For cameras having small front board this shutter is especially adapted.

PACKARD NO. 5



Diam. Opening	Outside Dimen.	Each
1 1/2 in.	3 1/4 in. sq.	\$6.50
1 3/4 in.	3 1/2 in. sq.	6.50
2 in.	4 in. sq.	6.50
2 1/4 in.	4 1/2 in. sq.	7.00
2 1/2 in.	4 3/4 in. sq.	7.75
2 3/4 in.	5 in. sq.	7.75
3 in.	5 3/4 in. sq.	7.75
3 1/4 in.	6 in. sq.	7.75
3 1/2 in.	6 1/2 in. sq.	7.75
3 3/4 in.	7 in. sq.	7.75
4 in.	7 1/2 in. sq.	8.25
4 1/2 in.	8 in. sq.	8.75
5 in.	8 1/2 in. sq.	9.25

Trade Discount 15%; Three assorted. 33 1/3%; Six assorted 40%.

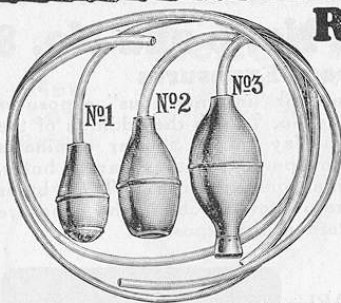
Rexo Lens Board Coupler

Here is a handy little device for connecting rubber tubing from bulb to behind-the-lens shutter. Merely drill a hole thru the lens board and attach. It is guaranteed to be light tight.

PRICE

Rexo Lens Board Coupler.....**45c**
Trade Discount 33 1/3%; Dozen 50%; Three Dozen 60%.





Rexo Camera Bulbs

Highest Quality Red Rubber

Our bulbs and hose are made of the finest quality pure rubber. They are very elastic and can be fitted to any shutter. They are made of red rubber. The No. 3 bulb is fitted with a wooden plug, and is especially adapted for studio shutters.

Rubber Bulbs With Tubing

No. 1 Bulb, 2½"x1¾" with 18" tubing, List Price, each.....	No. 2 Bulb, 3¼"x1½" with 36" tubing, List Price, each.....	No. 3 Bulb, 3½"x1¾" with 36" tubing, List Price, each.....
30c	45c	55c

Trade Discount 25%; Half Dozen 33⅓%; Dozen 40%.

No. 1 Bulb Tubing only, Net Price, per foot.....	Brass Connections for Bulbs and Tubing, Net Price, each.....	10c
No. 2 Bulb Tubing only, for Studio shutters, Net Price, per foot.....	Front Board Couplers, Net Price, each.....	30c
8c		

Rexo Flexible Antinous Releases

For All Popular Types of Shutters



The Rexo Antinous release is made of a flexible metallic connection. It is unaffected by climate or temperature; no perishable materials are used, it does not easily get out of order and works without vibration.

For Wollensak Shutters

6-inch	\$.60
12-inch60
20-inch	1.25
36-inch	2.50
For Rexo and Luc Front Shutters	
16-inch	\$1.00
20-inch	1.25
33-inch	2.00

For Compur and Compound Shutters

6-inch	\$.50
10-inch60
24-inch	1.75
36-inch	3.00

For Hex Shutters

This release will also fit Kodak Shutters and Ingento Sure-shot Flash Lamps.

4-inch	\$.25
6-inch50
12-inch75
18-inch	1.50
36-inch	2.00
5-foot	3.50
10-foot	5.00

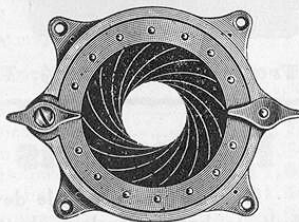
Dealers Discount 33⅓%; Dozen Assorted 40%.

Rexo Iris Lens Adapter

Mount the Iris Adapter on Lens Board, then change lenses instantly at will.

The Iris Lens Adapter permits the use of various sizes of lenses on the same front board. The change from one lens to another is made instantly; moreover, the lenses are accurately centered, and securely held.

The adapter consists of a strong, durable frame, with rigid, metal diaphragm leaves. The ease and speed with which lenses may be changed, as well as the convenience of one front board for lenses of all sizes, makes the Iris Lens Adapter a necessity for the busy photographer.



Prices quoted below subject to 15% Discount - Six 33⅓%.

No. 1 ADAPTER For lenses ⅝ to 2⅜ inches in diameter List Price each.....	No. 2 ADAPTER For lenses 1⅝ to 3⅜ inches in diameter List Price each.....	No. 3 ADAPTER For lenses 1 to 4 inches in diameter List Price each.....	No. 4 ADAPTER For lenses 1⅝ to 4⅜ inches in diameter List Price each.....
\$5.40	\$5.90	\$6.60	\$7.80

Ingento Focusing Cloth (Waterproof)

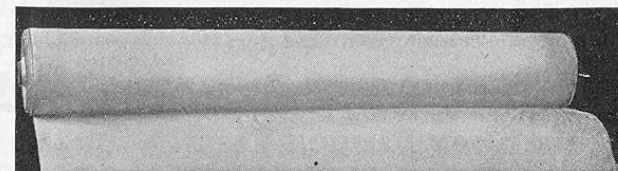


The material used is an improved dull black heavily rubberized fine serge cloth, that is closely woven and coated on one side. It is far superior to the ordinary focusing cloth offered on the market due to its non-reflecting dull black finish. For service it cannot be excelled. The Ingento Focusing Cloth is perfectly light-tight and waterproof. Each cloth is packed in a

cardboard box. We can furnish the cloth cut to any length from the roll. Width is 36 in.	
Regular size, 36x36 inches, List price, each.....	\$1.00
Professional size 36x54 inches, List price, each.....	\$1.50
Trade Discount 15%; Three 25%; Doz. Assorted 40%; Gross 50%.	
Less than 10 yards cut from roll, Net per yard.....	60c
10 yard roll, Net per yard.....	50c
50 yard roll, Net per yard.....	45c
100 yard roll, Net per yard.....	30c

Ruby and Orange Fabric

Our ruby and orange fabric is of superior quality. The texture is very fine and the color fast. We guarantee it to be free from pin holes. Width 38 inches.



Ruby Fabric, list per yard 70c, Net per yard.....	45c	Orange Fabric, imported, list price 80c per yard, Net.....	54c
Ruby Fabric, Net per 40 Yard Roll.....	\$16.00	Orange Fabric, imported, Net per 40 Yard Roll.....	\$19.20

REXO DIFFUSING CLOTH

This cloth is exceptionally good for use as a diffusing screen as it softens the rays of light and still permits the maximum of light to go through. Made of very fine linen with a smooth glazed finish. It can also be used as tracing cloth for making drawings or tracings. Comes in 36-inch, 42-inch and 48-inch widths.

36-inch, List Price, per yard.....	\$1.55	42-inch, List Price, per yard.....	\$1.85	48-inch, List Price, per yard.....	\$2.30
Trade Discount—One Yard 10%; Five Yards 25%.					
36-inch, Net per 24 Yard Roll.....	\$24.30	42-inch, Net per 24 Yard Roll.....	\$29.60	48-inch, Net per 24 Yard Roll.....	\$37.20

A NEW
SEMI
transparent
SHEET
FOR
ARTISTS
and
PHOTOGRAPHERS

TRACEOLINE

A semi-transparent material ideal for diffusion of light. Provides 100 per cent diffusion with maximum transmission of light. Passes true white light—no discoloration. Will increase light efficiency 40 per cent. Use it for cutting down negative backgrounds, highlighting, etc., as well as for light diffusing.

Enlarging

Use Traceolene when enlarging. Place it next to the sensitized paper when making the exposure. The resulting print will be free from grain — and beautifully diffused.

Backgrounds

Fine for working in backgrounds, draperies, etc. Works with pencil, pen, air brush or crayon sauce. May be used for titling in movie work by printing or typing on the etch surface side of Traceolene.

Price, Per Roll, 22x140 inches, net only.....	\$2.80
--------------------------------------------------	---------------

The Ingento Changing Bag

is your greatest need!

Your darkroom miles away
Pictures that **MUST** be taken
Plenty of fresh film but no place to load
up



It was designed exactly to solve your problem. With it you can load plate or film holders or change into developing tanks on the spot, in broad daylight and without delay. Holders are slipped into the end of the bag, which is then closed with glove fasteners. Then your hands slip through the sleeves which have rubber wrist bands to

keep out the light. After that, your hands know what to do.

The Ingento Changing Bag is compact and inexpensive. But it's a life-saver. And the knowing photographer or news reel man is never without one.

No. 2 Ingento Changing Bag, **\$3.90** | No. 4 Ingento Changing Bag, **\$4.85**
5x7, each. 8x10, each.

Trade Discount 10%; Three 33 1/3%; Half Dozen Assorted 40%.

Rubber Finger Tips

Prevent Stained Fingers

These Finger Tips are made of pure gum rubber and give absolute protection against the action of chemicals, thus preventing the discoloration of nails and fingers. Do not in any way affect the sense of touch. Very easily slipped on or off.



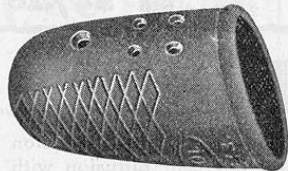
Price per set of three. **15c**

Trade Discount 15%; Half Dozen 25%; Dozen 40%; Gross 50%.

Rexo Hygienic Finger Pad

Here is a very convenient rubber finger pad or tip. It is well ventilated. Made of heavy red rubber, corrugated on one side. It is ideal for counting money, sorting checks or mail, turning leaves, filing, rapidly handling paper of all kinds, feeding presses, etc., etc.

Made in three sizes, small, medium and large. Specify size when ordering.



The Seamless Pad

List Price, each. **10c**

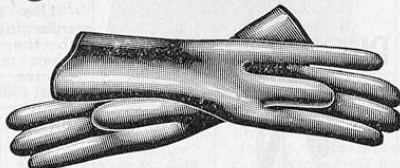
Trade Discount Three 33 1/3%; Dozen Assorted 40%.

Ingento Rubber Gloves

This new type of rubber glove will keep silver and pyrogalllic acid stains from the hands. They are made of the best pure rubber. Each glove is fully warranted to give entire satisfaction. Made in sizes 7, 7 1/2, 8, 8 1/2, 9, 9 1/2, and 10.

All sizes, per pair. **90c**

Trade Discount 33 1/3%; Half Dozen Asstd. 40%; Dozen Asstd. 50%.

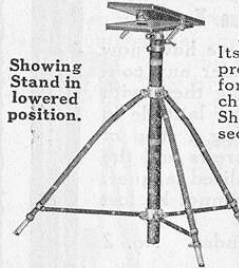


LEY'S NEW HOME PORTRAIT TRIPODS

24 to 60 inch Adjustment

A new tripod that offers many new advantages. Its wide adjustment range from 24 to 60 inches provides a new low level, rigid camera support for securing the proper angle for photographing children, etc. The main standard is made of Shelby seamless steel telescope tubing in three sections.

Showing
Stand in
lowered
position.



Rigid Construction

Legs are equipped with 12-inch telescoping inserts for use on uneven surfaces. Legs are tipped with maple wood knobs to prevent scratching or marring floors. Constructed throughout for strength, yet weighing only 7 1/4 pounds. Folds compactly to 23 1/2 in.

Tilting Top for 0 to 90 Degree Elevation—

The walnut tilting top is in five ply veneer, beautifully finished in Duco. Provides for camera elevation from 0 to 90 degrees. Heavy slotted metal fittings with extra long threaded Bessemer steel bar bolt, with unbreakable re-inforced head. Highly finished in oxidized copper and nickel plate. Fully guaranteed.

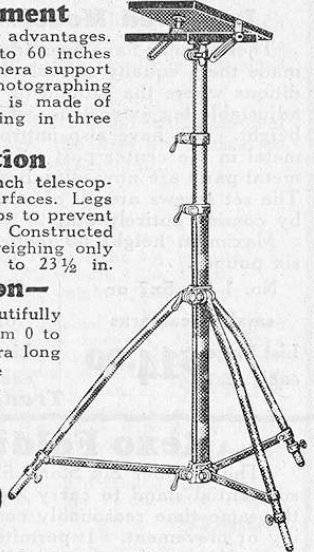


WITH TILTING
WALNUT TOP

List Price **\$22.00**

WITH ALL METAL
TILTING TOP

List Price **\$25.00**



Special discount for cash. Write for quotations.

FOLMER COMPACT STAND

For commercial work or home portraiture this stand will immediately appeal to the photographer who appreciates good equipment. It is strong, rigid and extremely light in weight. It may be raised to 53 inches or dropped to 26 1/2 inches from the floor. The center post is a hollow brass tube sliding in aluminum castings while metal braces firmly hold the legs. The felt covered revolving top is 6 3/4 x 9 1/2 inches and may be tilted and locked at any angle up to 90 degrees, at which point it may be used for vertical pictures. Its metal parts are sand blasted and finished in bronze, the woodwork in mahogany. The weight complete is six pounds and twelve ounces.



Highest
Quality
New Low
Price

Folmer Compact
Stand. **\$20.00**

Special discount for cash.
Write for quotations.

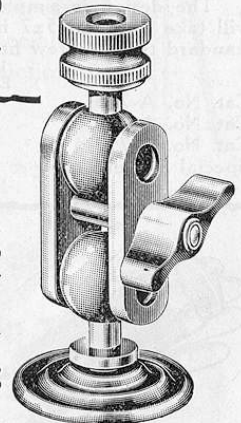
Rexo Universal Ball and Socket Head

This little device is made for tilting the camera in any direction. It will support cameras up to 8x10 inches in size and when clamped securely makes a good support.

Can also be used for cine cameras. It is nicely finished in polished nickel.

Price each. **\$1.75**

Trade Discount 20%; Three 33 1/3%; Dozen 40%.



Rexo Folding Studio Tripods

Improved Model — Adjustable Extension Legs

These stands have been ideal for indoor photography and we have now made them equally suitable for outdoor work or for use under any conditions where the ground or surface is not level by providing them with adjustable leg extensions, which at the same time give greater latitude in height. We have also improved the construction by inserting a strip of metal in the center post to avoid injuring it with the set screws and the metal parts are now all unbreakable and finished with crystalized lacquer. The set screws are all of wing design and riveted so they cannot be lost by coming entirely out.

Maximum height 60 inches. Weight: No. 1, four pounds. No. 2 six pounds.

No. 1 for 5x7 or smaller cameras	No. 2 for 6½x8½ or larger cameras	SPECIAL TOP For Projection Lantern 7½x24 inches. May be used with any stand. LIST
List Price \$14.00 each.....	List Price \$17.00 each.....	\$3.00
Trade Discount 15%; Two 25%.		



Rexo Folding Commercial Stand

The Number Six Stand fills the long felt want of the commercial man for a substantial stand to carry his heavy cameras, one with a good extension and at the same time reasonably compact. The head is amply large to prevent swaying or movement. It permits tilting up to an angle of 45 degrees. A wing nut makes it easy for you to adjust it quickly and securely in the desired position.

Three hinged cross members give added rigidity and prevent the stand from spreading or collapsing.

No. 6 Rexo Commercial Stand, List Price, each..... **\$32.50**
Trade Discount 15%; Two 25%.

Rexo All Metal Folding Tripods

These tripods represent the very cream of the tripod market. They are made of strong brass tubing, the heads are round, heavily nickel-plated, the upper sections are black enameled and the inner sections are brass. Each section of the legs locks automatically when drawn out.



By pressing the top button of each leg, the lower sections will telescope automatically.

The design is simple and they are extremely rigid. All models will take 4x5 and 5x7 hand cameras. The heads are fitted with the standard tripod screw fitting all American cameras.

	Length Extended	Length Closed	Weight	Number of Sections	Price Each
Cat. No. A-775	43"	17"	18 oz.	3	\$2.60
Cat. No. A-776	48½"	15¼"	22 oz.	4	3.80
Cat. No. A-777	49"	14"	28 oz.	5	4.30
Special Swivel Top	48½"	12"	28 oz.	7	5.50

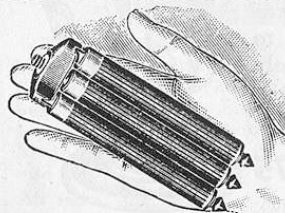
Trade Discount 33 ⅓ %.

Precision Extension Tripods

Designed for roll film and film pack cameras up to 4x5 inches in size. The legs are of the telescoping type, consisting of 9 sections extending to a total height of 39 inches. When folded it measures only 7¼x3x¾ inches. Constructed of rust-proof nickel plated brass. Complete with attractively finished black case. Ideal for the photographer who demands strength, portability and convenience.

List price, each..... **\$7.50**

Trade Discount 33 ⅓ %; Dozen Lots 40%.



The Ideal Combination Tripods

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.

SPECIFICATIONS

No. 10, length folded 21½", extended 52½", weight 1½ pound.
No. 11, length folded 23", extended 57", weight 2 pounds.
No. 20, length folded 24¼", extended 59", weight 2½ pounds.
No. 22, length folded 20", extended 57", weight 2 lbs. 13 oz.
No. 77, length folded 19", extended 56", weight 4 lbs. 13 oz.



No. 10 Combination Tripod for 4x5 cameras,
List price, each..... **\$7.00**

No. 11 Combination Tripod for 4x5 cameras,
List price, each..... **\$8.75**

No. 22 Combination Tripod for 5x7 cameras,
List price, each..... **\$9.00**

No. 20 Combination Tripod for 5x7 cameras,
List price, each..... **\$9.50**

No. 77 Combination Tripod for 8x10 and 11x14 cameras,
List price, each..... **\$9.50**

No. 55 Special Combination Tripod for large cameras, 37 in. when closed, 7½ ft. high when open, furnished with 10 inch head, List..... **\$29.75**

Special Panoramic Head to fit any of the above tripods for movie work, very compact
List price, each..... **\$6.00**

No. 6 Commercial Tripod, 66 in. when open, 41 in. when closed, weight 14½ lbs.,
List price, each..... **\$36.00**

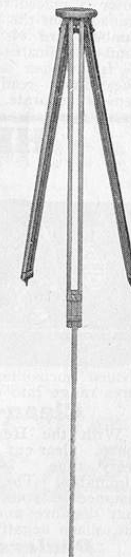
No. 5 Special Tripod, 144 inches when open, 60 in. when closed, weight 13 pounds,
List price, each..... **\$45.00**

The No. 55 Special combination tripod is 7½ feet high and when the bottom section is closed it may be used at a normal height of 5 feet 9 inches and becomes a very sturdy tripod for general use. The top is 11½" in diameter. The upper sections fold and the lower sections slide. The length when closed is 37", so it is compact and convenient to pack. Commercial photographers will find a tripod of this kind very useful at times to elevate a camera above the crowd or to get a higher viewpoint for buildings and interiors.

Trade Discount 25%; Two 33 ⅓ %.

Ingento Sliding Tripod

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. The height is regulated by a clamping screw. Specially selected, seasoned hardwood is used in their construction, all metal parts are polished brass lacquered.



SPECIFICATIONS

No. 00, Length folded 27½ in., extended 49½ in., weight 1½ pounds.
No. 33, Length folded 33 in., extended 58 in., weight 3 pounds.
No. 44, Length folded 33 in., extended 58 in., weight 6 pounds.

No. 00 Sliding Tripod for small cameras,
List Price, each..... **\$2.00**

Trade Discount 33 ⅓ %; Dozen 50%.

No. 33 Sliding Tripod for 8x10 cameras,
List Price, each..... **\$9.75**

No. 44 Sliding Tripod for larger cameras
List Price, each..... **\$11.50**

Trade Discount 25%; Two 33 ⅓ %.

EXPOSURE METERS THE MINOFOT METER

Positive — Simple — Accurate

A practical, compact, light weight exposure meter that operates on a new visual principle—eliminating calculations and giving by direct reading the proper exposure time for any make of plate or film at any lens stop. Works with equal efficiency at any altitude regardless of climatic conditions, daylight or artificial light. Can be pre-focused to fit the operator's eyesight.

Instant Accurate Readings

The Minofot takes into consideration the speed of the film or plate used. Calibrations are provided covering emulsion speeds and lens stops. By bringing the lens stop you desire to use in line with the film speed you get a direct reading of the proper shutter speed. May be used for both movie and still cameras.

Easy to Operate

In operation you place the Minofot to your eye, point it at the subject. You will then see a series of shutter speeds, bright at one end, dim at the other. The speed which appears most dim is the proper one to use. It is simplicity itself—always constant—always accurate.



The Minofot is furnished complete in a sole leather carrying case. A chart listing the speed of all popular plates and films is included. A real value.

List Price, Each..... \$7.50

NEW WILLO CINEMETER

For Use With All Cine Cameras

A practical exposure meter for use with all moving picture cameras. Its unique design makes provision for exposure speeds from 8 to 128 per second and for filters from $1\frac{1}{2}x$ to $12x$ and covers diaphragm stops from F:1 to F:32. Adjustable for various film speeds, as well as the new Koda Color film.

Saves Time and Film

The meter also acts as a view finder and shows the angle of view covered by a 1 inch lens. In operation the meter is placed to the eye, adjusted for sharp focus, and trained upon the subject to be photographed. The F stop numbers are visible in the meter, and the last legible number indicates the correct F stop to use for standard 16 frames per second speed. An adjustable outer ring gives direct readings for other speeds, stops, etc. Extremely accurate. Saves time and film.



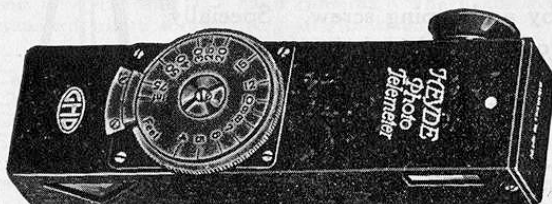
Complete

Furnished complete with sole leather carrying case. For use with all movie cameras.

List Price, Each..... \$9.50

HEYDE'S PHOTO-TELEMETER

Accurate Distance and Range Finder



divided horizontally into two portions. By turning the outer engraved dial until the two pictures range into one, you get a direct reading giving the exact distance from the subject to you.

Clean-cut Negatives

With the Heyde Photo-Telemeter you get sharp, clear-cut, critically focused negatives every time. All guesswork in focusing is eliminated. The meter tells you accurately the distance of your subject, focus the camera for that distance and you are assured of a clean cut, sharp negative.

New Low Price

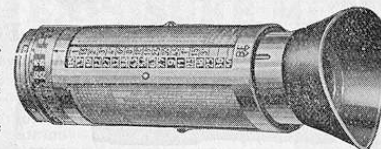
At this low price you should avail yourself of the opportunity to put a definite end to your focusing problems.

List Price, each..... \$7.50

Dealers Discount on all meters shown above—One 20%; Two 33 1/3%; Three or more 40%.

EXPOSURE METERS THE BEWI METER

A new visual actinometer type exposure meter of extreme accuracy. Gives instant direct readings, no calculations are necessary. One pocket size instrument for both still and movie cameras. Quickly adjusted for individual eyesight. Simple in operation.



A New Visual Actinometer Type

The Bewi meter is entirely self-contained. Instantly adjusted for any film or plate speed. In operation you place it to your eye, a series of numbers appears, the last legible number is noted. Then by turning an outer ring to this number you get direct readings for all lens stops from F:1.9 to F:3.6 and alongside of each stop is indicated the necessary exposure time.

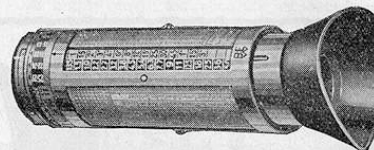
FOR ALL CAMERAS

Both professional and amateur photographers will appreciate the Bewi, for the material it saves, for its simplicity in operation and its lifetime construction. There is nothing to wear out, no replacements. Good for a lifetime of service.

COMPLETE METER

List Price, Each..... \$10.50

BEWI LEICA SPECIAL EXPOSURE METER



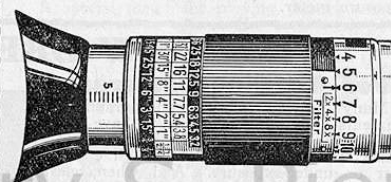
A Bewi meter designed for use with Leica cameras and recommended for use with all types of miniature cameras having lenses of 2 inch (50mm.) focal length. All calibrations and shutter speeds are made to conform to the focal plane shutter of the Leicas.

Leica Elmar or Hektor Lens

All Leica camera operators using the standard Elmar or Hektor lenses will appreciate the extreme accuracy of this special Bewi Leica model. Correct exposures are highly essential with the Leica, bringing out a strip of negatives that are uniform in density and printing quality. The meter is adjustable to individual eye sight. Furnished complete in hand sewn sole leather case.

List Price, Each..... \$10.50

BEWI JUNIOR EXPOSURE METER



For Accurate Exposures

A practical exposure meter for use with both cine and still cameras. It assures correct exposures, independent of altitude, geographical location, daylight or artificial light. Adjustable to individual eyesight. In operation you place it to your eye and aim it at the subject. A series of numbers are visible and by turning the outer ring to coincide with the last legible number, you get a direct reading from 1/400th second to 36 minutes with lens stops from F:3.2 to F:3.6. Adjustable for various plate and film speeds. Complete in sole leather carrying case.

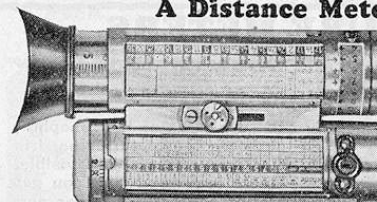
List Price, Each..... \$7.50

The New 'Tele-Bewi' Meter

A Distance Meter and Exposure Meter

ACCURATE EXPOSURES

Workers in all branches of photography will welcome the advent of this fine instrument that reduces photography's two outstanding problems to an accurate measurable factor. The extremely accurate exposure meter is the Bewi as listed above. Built with it as an integral part is an accurate distance meter of the coincidental type, assuring accurate distance readings, eliminating those out-of-focus shots and assuring clean cut negatives.



ACCURATE DISTANCE READINGS

The accurate distance meter is calibrated for readings from 3 to 100 feet. In operation you look through the eye piece, and two images are visible. As you turn the outer knurled ring the figures are brought together and when perfect coincidence is secured you get a direct, accurate reading of the distance of the subject in feet.

Dealers Discount on all meters shown above—One 20%; Two 33 1/3%; Three or more 40%.

COMPLETE METER

List Price, Each..... \$14.50

Dremoscope Exposure Meter



FOR STILL PHOTOGRAPHY

A universal exposure meter for use in all types of "still" photography. Light and compact measuring only 3" in length—forming an unobtrusive yet essential part of every photographer's equipment. It is easy to use—always accurate under both artificial or natural light. Quickly pays for itself in savings on time and film.

Gives Correct Exposure Time—No Calculations

The Dremoscope is a true exposure guide giving the correct diaphragm stop and shutter speed required, whether or not a filter is used, and regardless of film speed without any further calculations. In operation, you place it to your eye, point it at the subject and turn the knurled meter head slowly to the left until the figure "2" in the green field disappears. This sets the scales automatically.

For Better Pictures

An exposure meter should form part of the equipment of every serious minded photographer. It takes the guess-work out of exposures. Its use assures well exposed negatives every time. It quickly pays for itself in the film it saves. Those rare shots that you can't afford to miss are always brought home when you use an exposure meter.

Easy to Use

Furnished complete in sole leather carrying case. Always ready for use.

List Price,
Each

\$8.50

THE NEW DREM CINEMETER

For All Cine Cameras

Many moving picture photographers, amateurs and professionals alike, have had to face the disappointment of finding an entire reel of film ruined—through either over or under-exposure. And when one considers the expensiveness of motion picture film, it certainly pays to use a reliable exposure meter—and put a definite end to such losses. The Cinemeter has been designed for use with all cine cameras. It accurately measures the value of light and assures proper exposure of your film.



Equally Efficient in Natural or Artificial Light

The Cinemeter is calibrated for all movie cameras. After the proper exposure is ascertained visually, it automatically indicates on the scales the proper diaphragm stop to use with any of the shutter speeds (frames per second) whether filters are used or not. It is also calibrated for taking Kodacolor pictures. The Cinemeter is equally reliable under all conditions of natural or artificial light.

A Real Film Saver

Furnished complete with all operating instructions in a sole leather carrying case, which may be readily attached to belt, button or camera strap. Will prove a profitable investment for any cine enthusiast.

Complete Drem Cinemeter

List Price,
Each

\$8.50

CINOPHOT EXPOSURE METERS

Quick—Easy to Use



For All Amateur and Professional Movie Cameras

Look into the eye piece of the Cinophot, you see a number. Then turn the iris diaphragm until the number is just visible. Then on the outer calibrated ring you get a direct reading of both stop number and shutter speed.

This NEW CINOPHOT reads DIRECTLY for still cameras and CINE-KODAKS and all motion picture cameras of similar speed, like the Victor. Can be used with any other Cine-camera, because the computing rings provide automatically the diaphragm setting for all other cameras, from f1 to f45. Gives exposure information for all frequencies, from 8 frames to 128 frames per second, therefore, from accelerated to s-l-o-w motion.

Complete Meter with Leather Carrying Case, for Movie and still cameras—time exposures. List Price, each

\$8.50

Dealers Discount on all meters shown above—One 25%;
Two 33 1/3%; Three or more 40%.

HARVEY EXPOSURE METERS

**No 2
METER**

For Kodaks, Graflex and all Cameras—Plates or Films—Exteriors—Interiors—Night Photography—For any Lens. Gives all Stops

**HARVEY
M-P
METER
A**

HARVEY MOTION PICTURE EXPOSURE METER

A NEW DEPARTURE IN METERS SHOWS CUTS OF THE SHUTTER ANGLES INSTEAD OF FRACTIONS OF A SECOND

Gives all stops to be used for any lens, at various cranking speeds FOR EXTERIOR WORK ONLY

EXPOSURE METER No. 2

A highly corrected accurate exposure meter of all celluloid construction for use with film or plates. Gives accurate exposure readings for any hour of the day, for any condition of light and for any country in the world.

\$2.00

List Price, each

Discount 20%; Six 33 1/3%; Dozen 40%; Gross 50%.

PRACTOS EXPOSURE METERS

For Cine and Still Cameras

A combination meter for both still and movie cameras that gives almost instant readings. Extremely accurate being adjustable to individual eyesight. Gives direct readings, no calculations, no guesswork.



The Correct Exposure Every Time—No Guesswork—

In operation you look through the meter and see three sharply defined numbers. Then turn the outer ring until only one number is clearly visible. This number indicates the correct exposure for use with diaphragm stop F:6.3 for still work. Direct readings for all other stops may be had directly from the calibrated outer ring. In movie work correct diaphragm openings are indicated for normal speed (16 frames per second) and 8, 32 and 64 frames per second. Adjustments are also provided for filters of varying density and different emulsion speeds.

COMBINATION METER

The combination Practos meter applicable to both still and movie cameras.

List Price,
each

\$5.75

METER FOR STILL WORK

A new Practos meter designed for use with all types of still cameras.

List Price,
each

\$5.00

Discount 20%; Three 33 1/3%; Six 40%.

LARGODREM METERS

Exposure Meter for Enlargements

A highly essential accessory for use in every dark room where enlarging is done. It tells you instantly the correct exposure for any type of enlarging paper, for negatives of any density and for any degree of light intensity. Electrically operated using the same current as the enlarger light. In operation you place it on the easel in place of the paper. Project the light through the negative onto the meter. A sliding indicator is then moved along the scale to match the color of the illuminated strip. The pointer will then indicate the correct exposure time for each class of paper as clearly set forth in the printed instructions.

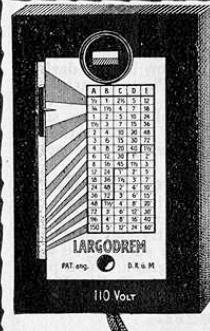
Enlarging Made Easy

Eliminates the trial and error method of determining the correct exposure time for making enlargements. Quickly pays for itself in the paper it saves.

Complete Largodrem

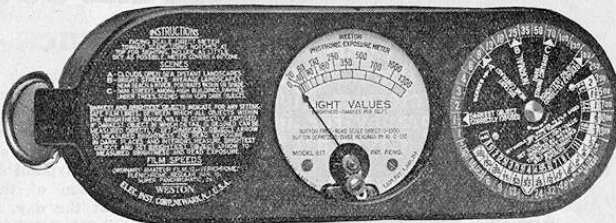
List Price, **\$8.50**
Each

Discount 20%; Three 33 1/3%; Six 40%.



WESTON EXPOSURE METERS FOR THE RIGHT EXPOSURE EVERY TIME

A scientific achievement in measuring the actinic value of light. Equipped with the new Photronic Photo-Electric cells, so sensitive to light intensity that they record the shadow of a fly. You need waste no more film, no more time, due to wrong exposure when you use the Weston.



Accurately Measures the Value of Light

You get a correct exposure every time you use the new Weston Universal Exposure Meter—regardless of the condition under which you use it; daylight or artificial light; for cine or stills; for any plate or film. It is self contained, it will never wear out, no batteries, nothing to replace. It pays for itself time and time again in the film and labor it saves. The photo-electric cells transform light value into electric current, providing an accurate reading of the brightness reflected by any subject or scene, and translating it into the correct combination of lens stop and shutter speed for any make of plate or film.

PHOTO-ELECTRIC CELL

Weston engineers working in collaboration with recognized film authorities have successfully harnessed the extreme sensitivity of the new Photronic Electric Cells into a practical, easily manipulated exposure meter—an instrument that is revolutionizing the principle of exposures in photography, and reducing to an accurate science one of its most pressing problems.

COMPLETE UNIT

A really low price for an instrument that eliminates all guess work from the vital problem of exposure. A life-time investment in better pictures.

LIST PRICE, **\$33.00**
EACH.....

Discount quoted to dealers upon request.



THE NEW IMPROVED RHAMSTINE ELECTROPHOT EXPOSURE METERS

The new model M-S Rhamstine Electrophot exposure meter employing the new self generating electronic cell, making for the utmost ease in operation, and eliminating all batteries. It transforms light waves into electrical impulses, being extremely sensitive to all variations in light. You simply aim the Rhamstine at the subject, press a button and read on a dial the correct lens stop and shutter speed.

FOR CINE AND STILL CAMERAS

Adaptable to both cine and still cameras, films or plates. A truly universal instrument that correctly answers every exposure problem in photography. On the reverse side of the Rhamstine are placed full directions for use. A concise handy chart gives full instructions for the use of filters and altered camera speeds.

Eliminates Guesswork

The Rhamstine Electrophot brings to the aid of both the still and motion picture photographer the latest development of modern science in light measuring devices. And the reaction of Electrophot's sensitive cell to the light conditions is translated directly to lens settings, the Electrophot needle reads on a scale graduated in the F system, which is used on all types of movie cameras.

Pocket Size

The Rhamstine is of small pocket size. It can be slipped into the camera carrying case requiring no more space than a roll of film. Can be easily carried in the pocket.

COMPLETE OUTFIT

LIST PRICE, **\$28.50**
EACH.....

Discount quoted to dealers upon request.

Accurately Measures Light

It is well known that the reaction of the eye is variable. Under a bright light the eye pupil becomes contracted, at night or in the dark it becomes dilated, while the Photo-electric cell is constant. It never varies. The reflex view finder on the Rhamstine enables you to sight your subject, and it measures the light that is being reflected from the subject you are going to photograph.

Reflex Finder

Fitted with a brilliant, reflex finder that enables you to instantly and accurately sight the subject you want to photograph. You press a button and the Photo-electric cells do the rest.

Magna Enlarger Printers For All Miniature Negatives

The miniature camera operator will welcome the advent of this new Magna Enlarger for miniature negatives. It is the finest practical all metal enlarger printer equipped with high speed F:4.5 lens in focusing mount. It is a real innovation in enlarger construction making for real ease in operation. The highly efficient lamp house is at the bottom, reflecting upwards to the top where the paper is placed. It is as easy and convenient to handle as any contact printer—and it delivers enlarged prints that retain all the quality and detail of contact prints.

Makes Brilliant Enlargements

Efficient, powerful light action is secured through the scientific reflector construction. Equal distribution of light is secured over the entire negative surface assuring well balanced prints of remarkable snap and brilliance. All work is face up and all manipulation is at the top.

High Speed F:4.5 Lens

Equipped with a high speed F:4.5 lens in special focusing mount. The high speed of this lens makes for a minimum exposure time on standard chloride or bromide papers. Quick focusing is accomplished by merely turning the lens mount. Operating ease goes hand in hand with fine results in the Magna Enlarger Printer.

Print Size 3 1/2 x 4 1/2 Inches

The Magna produces prints up to 3 1/2 x 4 1/2 inches from any size negatives up to 2 1/4 x 3 1/4 inches. The special focusing mount of the lens makes for ease in focusing when necessary.

LIST PRICE **\$21.50**
EACH ONLY

Discount to Dealers—One 20%,
Two 33 1/3 %.



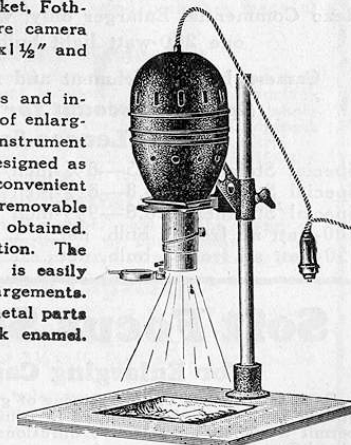
Foth-Derby Enlarger

With Foth Anastigmat F:3.5 Lens and Condenser

For enlargement of motion picture film, vest pocket, Foth-Derby, Leica, Korelle Compact and other miniature camera negatives . . . and generally for negatives up to 1 x 1 1/2" and smaller portions of larger negatives.

Small negatives produced by miniature cameras and individual film frames require a considerable amount of enlarging. The Foth-Derby Enlarger, the most modern instrument of its kind and most unusually priced, has been designed as a special apparatus for this purpose. Compact, convenient and easily manipulated, it is provided with a removable condenser, so that direct diffused light might be obtained. It makes enlargements up to 9 diameters magnification. The highly corrected, high speed anastigmat f:3.5 lens is easily focused and capable of producing faultless enlargements. The instrument is light, compact and strong. All metal parts nickel plated steel and fire-proof crystalized black enamel. Supplied with adjustable red filter for placing the paper. Well-ventilated lamp-house. Light exposure control in electric cord. Weight 4 1/4 lbs.

Complete with 75 watt bulb,
List price, each..... **\$21.50**



The Magnascope Enlarger

Conforms in its specifications, to the Foth-Derby Enlarger, but adapted for 2 1/4 x 3 1/4" negatives and smaller.

List Price, without lens..... **\$25.00**
Suitable lenses for Magnascope, up from..... **\$10.00**
16x20 Baseboard, suitable for either enlarger..... **1.50**

Special discount for cash. Write for quotations.



**For All
Heavy
Duty
Work**

The Rexo 8x10 Commercial Enlarger

**LIST
PRICE** **\$125.00**

New Professional Model

Here is the enlarger we have made to fill the requirements for an 8x10 model to do all classes of projection printing and also to be moderate in price. It is exceptionally rigid and accurately built, the most exacting map, architectural work, or enlargements to scale, may be made with certainty.

Powerful Reflector

The large silvered and highly polished reflector does the work with surprisingly short exposures. The base of main stand is drilled so that it may be screwed or bolted to a table or rigid bench.

Perfect Counter-balance

The addition of a new, large hand wheel and its counter-balanced body makes this enlarger very easy to operate. Focusing is also done by rack and pinion.

Recommended Lens Equipment

We recommend Steinheil quality anastigmat lenses of 8 1/2 to 12-inch E. F. for enlarging from an 8x10 negative. The Steinheil lenses give exceptionally flat fields and sharp and brilliant images.

Specifications

Height of Vertical Standard.....60 in.
Greatest height over all.....80 in.
Greatest height negative to
paper.....68 in.
Light recommended, all frosted 200
or 250 watt.
Rack and pinion focusing bellows
extension.....26 in.
Enlarges.....40x50 in. 5 diam.
Reduces.....3 1/4 x 4 1/4 in. 1/2 diam.
Weight boxed for shipment.....200 lbs.

Rexo Commercial Enlarger only, without lens, but including
one 250-watt light bulb, electric cord and switch. **\$125.00**

Camera back attachment and removable lamp house, extra \$30.00 list.

Special discount for cash. Write for quotations.

Lenses for 8x10 Enlargers

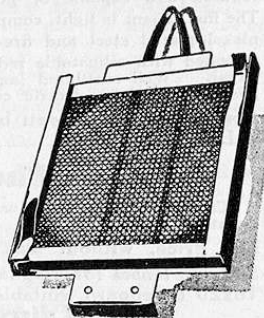
Special Steinheil F:4.5—8 1/4-inch in barrel, net.....	\$41.00
Special Steinheil F:6.8—8 1/4-inch in barrel, net.....	33.00
Special Steinheil F:6.8—9 1/2-inch in barrel, net.....	44.00
200-watt all frosted bulb, net.....	.35
250-watt all frosted bulb, net.....	1.95

Soft Focus Screens

For Enlarging Cameras

Each set consists of two screens of graded diffusion effect, and of perfect weave, mounted in square glass cells. They permit a variety of selective diffusions, without refocusing. The diffusion does not vary from print center to edge.

Squares 30x30mm. (1 1/8"x1 1/8")	Squares 45x45mm. (1 3/4"x1 3/4")	Squares 60x60mm. (2 1/4"x2 1/4")
Net per set including holder,	Net per set including holder,	Net per set including holder,
\$1.75	\$2.25	\$3.00



The Rexo Special Projection Enlarger and Reducer

For 5x7 and Smaller Negatives

List Price
Only.....\$58.00

This machine is especially adapted for slow enlarging paper and even has sufficient illumination to enlarge on contact printing paper. It is practically impossible to spoil a film negative. Five to 8 seconds is the average exposure on chloride paper.

Highly Efficient Light Arrangement

This machine has one-fifth the heat on the negative and five times more illumination on the projected field than other enlargers. It is twice as fast as condensers when a ground glass is used with the condensers. In addition to this extraordinary speed it has the advantage of having a fixed position for light (no adjusting) and no falling off of illumination toward the corners.

Saves Time in Enlarging

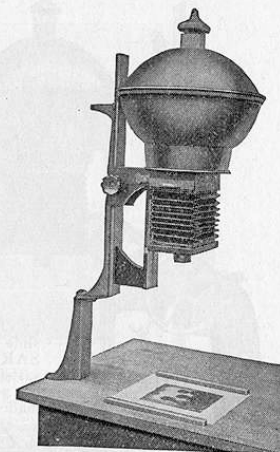
In construction and all other details except the reflector the 5x7 Special is exactly the same as the standard \$30.00 enlarger. Spring clips on negative carrier hold negatives in place and a red screen is placed just back of the lens on inside of bellows.

Needed in Every Studio

For the photographer or photo finisher who wishes to use the slow grades of enlarging paper to get the best quality of prints and must occasionally make enlargements from amateur films which are sometimes over exposed or fogged, this machine is to be preferred as the work can be accomplished quickly and with absolute safety to the negative.

Price of Enlarger only, as described above ready to set up and
operate, including 200-watt frosted bulb, but without lens..... **\$58.00**

Special discount for cash. Write for quotations.



The Rexo 5x7 Studio Enlarger

This enlarger is built for real professional work. The machine as a whole is exceptionally rigid and well built. The cast iron stand runs almost the full length of the main slide and is well ribbed and braced to eliminate vibration. All wood parts are made of mahogany finished in natural wood color with lacquer.

Highly Efficient Reflector

The reflector is made of spun copper, silver plated and then lacquered with clear transparent lacquer. This polished surface of the reflector is permanent and will not tarnish. The whole lamp house is well ventilated to keep the negative and adjacent parts at a low temperature. Spring clips hold the negative in place and a red screen is placed just back of the lens inside the bellows which permits proper placing of the paper.

For Vertical or Horizontal Operation

This enlarger has legs on the upper part of the stand so that it may be used either vertically or horizontally. This feature makes it possible to make pictures of any desirable size.

Large Volume Capacity

The greatest distance from negative to table is 45 inches and the greatest distance from negative to lens is 16 inches. With a 6-inch lens an enlargement of 25x35 may be made from a 5x7 negative. Reductions of 2 1/2 x 3 1/2 (half size) may also be made from a 5x7 negative.

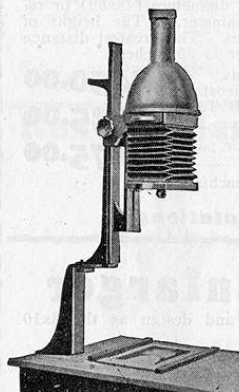
This machine will make enlargements on slow enlarging paper in 25 to 30 seconds, gives perfect illumination and is a thoroughly practical machine for the most exacting work.

Enlarger complete as described, including lens board, 4 feet
extension cord and 100-watt frosted bulb, List Price..... **\$30.00**

Special discount for cash. Write for quotations.

Lenses for 5x7 Enlargers

F:4.5 in shutter, net.....	\$15.00
F:6.8 in shutter, net.....	11.00



8x10 Rexo Auto Focus Enlarger

Enlarges and Reduces all Auto-Focus if Desired

This new machine accomplishes results that have never been approached in a photographic enlarger. It has the speed of condensers, even illumination, perfect counterbalance, rigidity and beautiful design.

Efficient Illumination

With the new Rexo enlarger it is possible to project about 20% of the total light upon the sensitized paper. To accomplish this result a 20-inch reflector with silver-plated and highly polished reflecting surface is used. This reflector is scientifically constructed and as carefully made as a photographic lens. The light is set at a fixed focus and is never changed.

The enlarger is raised and lowered on the main slide by rack and gear, which is easily operated by large hand wheel.

Enlargement Size Indicator

A dial with revolving pointer hand shows the number of times enlargement and also the relative exposure for this given size. This is a new and exclusive feature, which is a great help for securing uniform exposures on different size enlargements.

Automatic Focusing

The auto-focus device is enclosed and is connected to the main slide through the rack and gear. BAUSCH & LOMB IC TESSAR F:4.5 LENS is used, which has been found to give the most satisfactory results for enlarging. This lens can also be used on your camera for regular photographic work. These lenses are made especially for this machine. Lenses of different focal length may be used by focusing by hand.

Many Adjustments

Every desirable feature required on an enlarger has been given careful consideration, and is built into the machine, being a part of it and not merely another piece added on. Any portion of the negative can be screened by curtains just beneath the holder. A lever operates a red screen just back of the lens so that paper can be placed with light turned on. All necessary adjustments may be made from the outside of machine. The main stand is hinged in the center so that it is only necessary to loosen two screws to project horizontally.

The foot switch and rheostat recently added will be found most convenient. The light burns dim and yellow until the switch is pressed.

Efficient Self-Masking Paper Holder

The Paper Holder is adjustable for making any size opening up to 16x20 inches. The frame holding the mask is also adjustable for making any width borders.

8x10 Enlarger complete with auto-focus, B. & L. IC Tessar F:4.5 Lens, 8 1/2" E. F., one 200-watt light bulb, paper holder, foot switch and rheostat..... **\$450.00**

Price of Enlarger complete as above, but fitted with Bausch & Lomb 2B Tessar F:6.3 corrected especially for enlarging..... **425.00**

Price of 8x10 enlarger and one 200-watt light, without auto-focus, lens or paper holder, but with foot switch and rheostat..... **275.00**

When purchased in this way the enlarger comes with all machine work finished so that auto-focus can be added later.

Special discount for cash. Write for quotations.

Large Capacity

Enlargements from an 8x10 plate or film may be made up to 6 diameters (48x60) or reduced to one-third diameter. The height of main stand is 68 inches. The greatest distance from negative to paper is 80 inches.

Rexo 5x7 Auto Focus Enlarger

The 5x7 auto-focus enlarger is exactly the same in construction and design as the 8x10 machine except in size.

5x7 Enlarger complete with auto-focus B. & L. IC Tessar F:4.5 Lens, 6 13/32" E. F., one 200-watt light, adjustable paper holder for making plain white borders up to 16x20, and foot switch with rheostat..... **\$190.00**

5x7 Enlarger only, without auto-focus, lens or paper holder, but with foot switch, rheostat, and 200-watt light bulb..... **150.00**

Extra lens boards, each..... **.50**

Special discount for cash. Write for quotations.

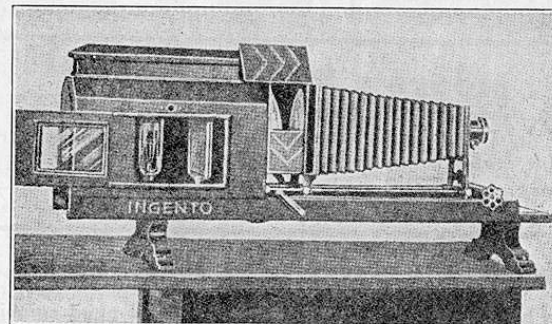
LIGHT BULBS

200-watt all frosted bulb, net each..... **.85**
250-watt all frosted bulb, net each..... **1.95**

Ingento Enlarging Outfit

(Horizontal Style)

This outfit is for quick and accurate projection work, and should be a part of every photographer's equipment. It has a capacity of turning out large quantities of enlargements every day, and will pay for itself in less than six



months time, if only one medium sized enlargement is made daily. The possession of this outfit will give such facilities for making horizontal enlargements that the demand can readily be increased. It is especially suitable for making any size enlargements on developing and bromide papers, also for making enlarged negatives or transparencies, and lantern slides by reduction. This outfit can also be used for projecting lantern slides for entertainment.

The style B Outfits are supplied with a 750 watt Nitrogen Mazda Lamp (concentrated filament). 1000 watt T-20 bulb can be furnished at \$6.50 extra.

Specifications

The outfit consists of one self-contained, complete Ingento Enlarging Lantern, a 750 watt Nitrogen Mazda Lamp, condensing lenses, ground glass diffusion screen and reversible adjustable negative carrier for glass or film negatives, but without objective lens as almost any camera lens may be used, one complete focusing platform for rapidly adjusting the size of the image and for fine focusing. BB-3 Outfit, fitted with a 750 watt Nitrogen Mazda Lamp, **\$145.00**

List Price, each.....

TRADE DISCOUNT 40%.

Lenses for 5x7 Enlargers

F:6.8 Lens in Shutter,
Net Price, each.....

\$11.00

F:4.5 Lens in Shutter,
Net Price, each.....

\$15.00

Rexo Enlarger For Miniature Negatives

For Negatives 2 1/4 x 3 1/4 inches or Smaller

This fine enlarger takes 35mm. Cine Films, enlarging either single or double frame without cutting the film. Spring tension on the film may be released so that strip films may be drawn through the negative carrier without scratching them. A red screen is placed inside the bellows just back of the lens. The diffusing glass may be removed for Cine films when enlarging on extra slow paper. The silvered reflector gives perfect illumination. Enlarges from a one to one projection to 8 diameters, or 18x26 inches from a 2 1/4 x 3 1/4 negative using a 3 1/2 inch lens. Enlarges to 15 diameters from Cine and Leica films using a 2 inch lens. The enlarger has a removable lens board making possible the use of different lenses. Accurate focusing is obtained by a micrometer screw adjustment essential for sharp pictures with a short focal length lens.

Without Lens

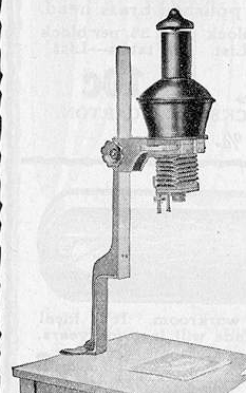
Complete Enlarger with 100 watt inside frosted bulb, less lens.

List Price, **\$25.00**
each.....

With Special f4.5 Lens

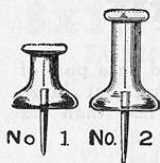
Complete Enlarger with 100 watt frosted bulb and high grade F:4.5 Anastigmat Lens.

List Price, **\$39.50**
each.....



Special discount for cash. Write for quotations.

Moore's Push Pins



They consist of round tapered steel points, which are firmly embedded in transparent crystal glass heads. Also supplied with aluminum heads on special order. They are strong and ornamental; supplied in packages of 6 pins.

10c

Per package of 6 pins, either size.

Trade Discount Dozen Packages 33 1/3 %.

Moore's Push Points

(Map Tacks)



The points are of hardened needle steel, and the heads of crystal glass. Excellent for drying prints and films.

Price per box of 12

10c

Trade Discount Dozen Boxes 33 1/3 %.

Moore's Pushless Hangers



This hanger consists of a tool-tempered steel point combined with a scientifically constructed brass hook. It solves the problem of hanging the heaviest pictures without disfiguring the walls. No. 25 will sustain 20 pounds. No. 28 will sustain 150 pounds. Neat and practical.

No. 24, Packet of 10 | No. 25, Packet of 6 | No. 27, Packet of 3 | No. 28, Packet of 2

10c

10c

10c

10c

Trade Discount Dozen Packets 33 1/3 %.

Moore's Cut-out Thumb Tacks

These are good quality, one-piece (cut-out) nickel plated thumb tacks with sharp, strong points. In attractive metal boxes.



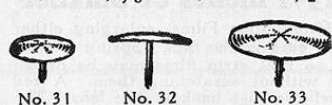
No. 41, 3/8 Inch, 36 tacks to box, List Each **10c** | No. 42, 1/2 Inch, 30 tacks to box, List Each **10c** | No. 43, 1/2 Inch, 24 tacks to box, List Each **10c**

Trade Discount Dozen Boxes 33 1/3 %.

Moore's Brass Push Thumb Tacks

These special grade tool-tempered steel points will not turn over or break, and are so smooth and tapered they will not injure anything into which they are pushed. For home decoration and for the draftsman, architects, etc.

No. 31, 3/8 inch; No. 32, 1/2 inch; No. 33, 5/8 inch. Flat polished brass head.



No. 31, per block 12 tacks—List

10c

No. 32, per block 10 tacks—List

10c

No. 33, per block 8 tacks—List

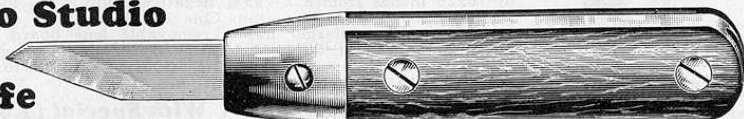
10c

PACKED ONE DOZEN BLOCKS TO A CARTON.

Trade Discount Dozen Blocks 33 1/3 %.

Rexo Studio

Knife

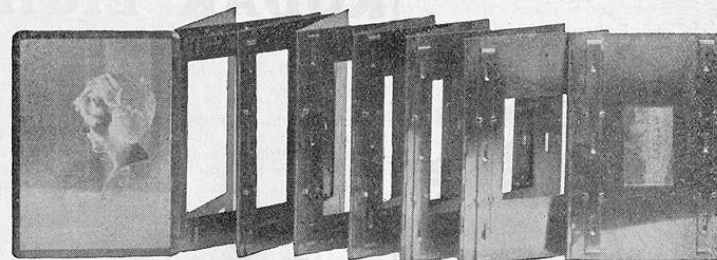


The Rexo Studio Knife is a very handy accessory for the studio workroom. It is ideal for cutting mats or general trimming work. The long adjustable blade will last for years. Rexo Knife, handle and blade complete **\$1.50** | Extra Blades for above, each **35c**

Trade Discount 15%; Dozen 33 1/3 %.

Rexo Projection Printing Frames

A Labor Saving Device



Eliminates the present objectionable glass supports. Holds any film negative from vest pocket size up to 8x10 in perfect alignment during exposure for enlargement. Prints with or without white margin. Saves the time consumed in masking your negatives and keeping glass supports clean. Will save at least 75% of labor required for spotting.

Reduces exposure about 20% and greatly improves quality of prints, owing to the absence of glass supports which retard the light and causes a certain amount of halation from reflecting surfaces.

It should require no argument to convince any practical workman that these results can be obtained, providing a film negative could be held in perfect alignment during exposure. Made of metal. Cannot get out of order.

Will fit all makes of enlargers and projection printing machines. **\$11.90**

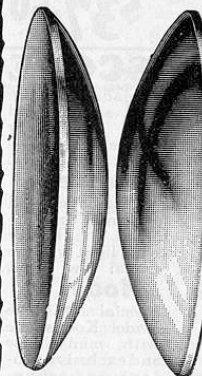
Price of amateur set including 5x7, net.

Specially constructed professional styles to take same size negatives as outside dimension of frames so as to fit any standard size kits without alteration.

5x7, net each **\$5.90**
8x10 and 6 1/2 x 8 1/2, net each **6.85**

Where these holders are to be used with Eastman Projection Printers it should be so stated when placing order.

Rexo Condensing Lenses

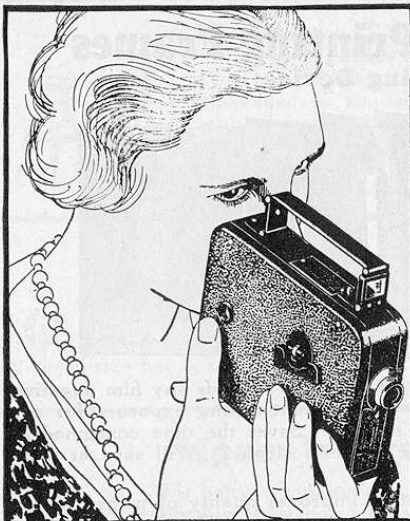


The condensing lenses listed below are accurately ground and polished, and will be found much superior to the imported lenses commonly employed for this purpose. When condensers are wanted mounted, we supply them in our improved mounts, which are so constructed that there is the least possible danger of the lenses breaking when heated. The mountings are also very neat and compact.

We can also furnish SECONDS of nearly all sizes listed below. When ordering indicate if wanted. Additional 10 per cent discount allowed.

4 1/2-INCH One Lens Unmounted \$1.50	6-INCH One Lens Unmounted \$5.50	8-INCH One Lens Unmounted \$6.00	9-INCH One Lens Unmounted \$12.00	12-INCH One Lens Unmounted \$30.00	14-INCH One Lens Unmounted \$40.00
Pair Lenses Mounted \$4.00	Pair Lenses Mounted \$15.00	Pair Lenses Mounted \$18.00	Pair Lenses Mounted \$32.00	Pair Lenses Mounted \$70.00	Pair Lenses Mounted \$90.00

Trade Discount 33 1/3 %; Dozen Assorted 40%.



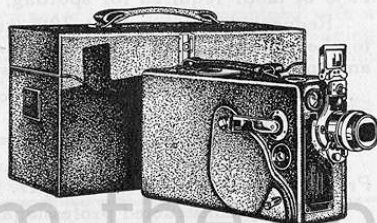
The New Cine-KODAK EIGHT

MODEL 20

A new movie camera that cuts the cost of home movies nearly two-thirds. Its unique design carries the film through the camera twice, increasing film efficiency fourfold. The small pictures on thin, fine grained film stand tremendous enlargement on the screen—giving brilliant life-like pictures. Extremely simple in operation. Being of fixed focus design, the pictures are always sharp. Even the novice is assured of good pictures with this new Cine-Kodak Eight.

Finest Construction

Convenient in shape, small enough to fit the pocket, yet offering the efficiency and performance ability of the finest movie cameras. Good pictures are assured from the start. The camera is handsomely finished in black.



Economical Operation

And it's economical to operate. A 25 foot roll of 16 mm. film does the work of 100 feet. The price of the film includes the processing. After you expose it, it comes back to you as a 50 foot reel of 8mm. film, ready to project in the Kodascope Eight listed below. Fitted with full vision, eye level finder, and the finest in lens equipment. Footage indicator and a simplified exposure meter simplify its operation.

NOW YOU CAN MAKE GOOD MOVIES ECONOMICALLY

With F:3.5 Lens

Fitted with a high speed F:3.5 sharp cutting Anastigmat Lens. Ready to load and shoot.

List Price Only..... \$29.50

With F:1.9 Lens

Fitted with an ultra-speed F:1.9 lens. The high speed of this lens adapts it to all types of movie work.

List Price Only..... \$79.50

With Telephoto Lens

Fitted with a special 1½" focus telephoto lens. Brings distant objects up close. The right lens for close-up work.

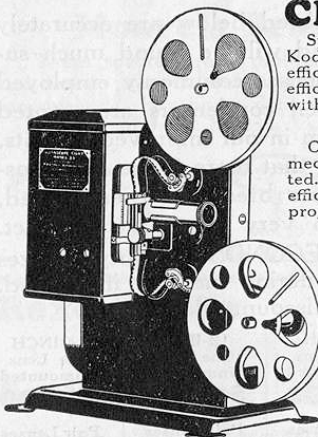
List Price Only..... \$37.50

CINE EIGHT KODASCOPE

Specially designed for projection of movies made with the Kodak-Cine Eight camera listed above. As simple and efficient in operation as the camera itself. Its highly efficient, powerful light projects brilliant life-like pictures—with all the sparkle and animation of the finest projectors.

Projects Brilliant Life-like Movies

Only the finest materials are used in the Kodascope. All mechanical parts are of metal accurately machined and fitted. Motor driven yet silent in operation. The highly efficient lamp house assures an abundance of light in the projected image. It's a quality outfit at a real low price.



Model 20

200 ft. capacity, 8mm. film. Motor driven with motor rewind. Gives 16 minutes of movies. For 60 cycle 105-125 volt A.C.

List Price \$22.50

Model 25

Same as model 20 but fitted with a specially designed optical system and extra powerful light. For 60 cycle 105-125 volt A.C.

List Price \$34.50

Model 60

Special De luxe model Kodascope with many new and exclusive projection refinements. For 60 cycle 105-125 volt A.C.

List Price \$75.00

Trade-in Your Old Camera for a Cine Eight

Your old camera or lens has a trade-in value toward the purchase of a Cine-Kodak Eight or Kodascope. Write in detail, telling us what you have—and on receipt of your letter we will promptly forward a liberal offer.

MOVIE MAKER CAMERAS • • •

THE POPULAR PRICED MOVING PICTURE OUTFIT



A real moving picture outfit in the standard 16mm. size, capable of producing fine results. The Movie Maker is not a toy, it is a real moving picture camera incorporating all necessary features for the production of home movies. Its low price should not be confused with its quality.

A REAL MOVIE CAMERA

The camera case is of heavy gauge metal with an attractive crackle finish in black. The optical finder is designed for waist level operation, producing a clear and brilliant image. The lens is a high grade Achromatic having a relative aperture of F:8. It is of the fixed focus type readily accessible for cleaning.

Uses Standard 16mm. Film

Uses standard 16mm. film procurable anywhere. Fitted with a new type barrel shutter that is both positive and dependable in action. The mechanical film feed arrangement is of the intermittent two grip claw type assuring steady and positive pictures. The sprocket feed and take-up are combined with accurately machined teeth and rollers. An automatic take-up spring of standard design is provided.

Specifications—

The shutter action and film feed are actuated by a hand crank. All working parts are of stainless steel and brass accurately machined. The self-centering film pressure plate is removable and easily cleaned.

Good Movies Assured

In the Movie Maker camera utmost operating simplicity is achieved. You do not have to be an expert to secure good movies with these fine cameras. The fixed focus lens is pre-adjusted and movies are made by sighting the subject and turning the crank.

Film Prices

50 foot roll of Reversible Super-sensitive Film, net . . . **\$3.20**
50 foot roll of Reversible Panchromatic Film, net . . . **\$2.60**

COMPLETE CAMERA LIST PRICE \$10.00 ONLY.....

All Metal Construction

Only the finest materials are used in the Movie Maker. All working parts are of metal accurately machined. Its capacity of 50 feet of standard 16mm. film is equivalent to 125 feet of professional size film. It's a real value at our special price.

Easy to Use

The Movie Maker is simple to operate—easy to load and unload. The novice is assured of good results. Just load, aim and turn the crank.

— SEE BOTTOM OF PAGE FOR SPECIAL DISCOUNT —

THE NEW MOVIE MAKER PROJECTORS

As a companion to the Movie Maker Camera listed above we offer these fine Movie Maker Projectors. Of all metal construction, accurately designed and finished, they project a brilliant screen image and will afford you many pleasant hours of entertainment. Designed for use with 16mm. film.

BRILLIANT PROJECTION

Only the finest materials enter into the construction of these Movie Maker Projectors. Being of the hand crank type, projection speed is easily adjusted by the operator. They project a large brilliant image, due to the scientifically designed lamp house and power bulb used in a new indirect lighting system.

Model B

Hand crank type. Furnished with 50 watt pre-focus bulb, one 400 foot reel.

List Price \$12.75

Model C

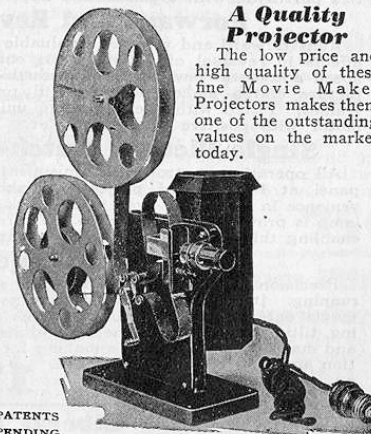
Hand crank type. Furnished with 100 watt pre-focus bulb, large projection lens.

List Price \$17.75

Model D

Motor driven. Furnished with 100 watt pre-focus bulb, large projection lens.

List Price \$23.75



A Quality Projector

The low price and high quality of these fine Movie Maker Projectors makes them one of the outstanding values on the market today.

Discount—One 33 ⅓%; Two or more 35%; Six or more asstd. 40%.

Stewart Warner Movie Equipment

CAMERAS — PROJECTORS — ACCESSORIES

16mm Home Movie Camera

Designed by Hollywood Cameramen



These fine 16mm. cameras have reduced successful movie making to the most simple of operations. They have no intricate gauges or complicated charts to follow, no expert knowledge is required. Simply sight your subjects, touch a button and the camera does the rest.

New Four Speed Adjustment

Its four speed adjustments provide for slow motion, talkie speed, normal and half speed, covering every movie requirement. The standard F:3.5 lens is demountable for adaption of F:1.5 and telephoto lenses. Loads in daylight with either 50 or 100 foot reels.

Only the finest materials are used in the manufacture

of these fine cameras, all metal parts being accurately machined with a precision that you would associate with only

the finest of instruments. It is provided with a patented visual footage counter, enabling the operator to take only the number of feet required, eliminating waste of film. Its accurate view finder is of the popular full vision type.

Good Pictures Are Easy

The tremendous popularity of 16mm. movies for home use has resulted in the development of specialized equipment in wide variety; but it remained for Stewart-Warner to produce a camera and projector that retained all the advantages of the better types of equipment, yet, being extremely simple in operation. The novice, having no picture making experience can easily follow the simple operating instructions of the Stewart-Warner Camera, with the assurance that the finished pictures will come up to expectations in every way. Highly recommended.

We offer them for sale in the United States and Canada. No foreign orders.

Complete with F:3.5 Lens
Net to you, Only..... \$49.50

Complete with F:1.5 Lens or
Telephoto Lens \$100.00
Net only.....

FREE Aluminum Surface Movie Screen FREE
With each combination purchase of a Stewart-Warner Camera and Projector, we will give you free of all charges one aluminum surface movie screen.

New 16mm Movie Projector

With 500 watt Brilliancy

A high grade 16mm. projector that incorporates practically all features known to 16mm. projector engineering. Its highly efficient light system provides an intense white light, perfectly flickerless and unsurpassed for brilliancy at any distance up to 100 feet. It puts contrast into the projected image, gives roundness and depth. Its 500 watt lamp literally flashes the pictures on the screen, resulting in a clear, life-like portrayal, with evenness and no vibration.

Forward and Reverse

Runs forward and reverse, a valuable feature for comedy effects in reversal of action. It is equipped with a high speed automatic rewind, saving valuable time. The single picture clutch makes possible still projection of special frames. Fitted with silent running universal A.C. or D.C. motor with positive speed regulator.

Single Picture Clutch—"Stills"

All operating controls are conveniently located on one panel at the rear of projector, making for real convenience in operation, even in the dark. A special pilot lamp is provided that lights up the threading mechanism, enabling this work to be done in a darkened room.

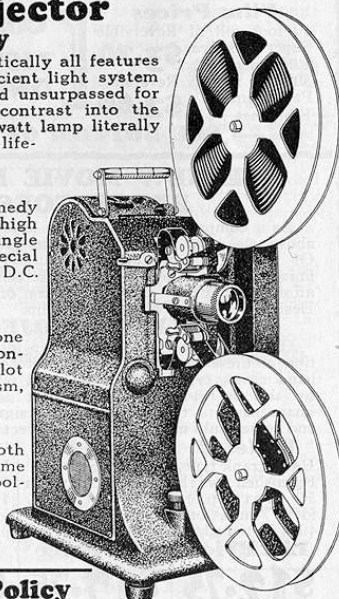
Flickerless Projection

Precision mechanical construction, silent and smooth running. It provides the utmost in fine theatre-like home movie entertainment. It incorporates forced draft cooling, tilting device, full framer, sound disc attachment and many other refinements making for silent operation and long trouble-free service.

Net to you, Only..... \$125.00

Liberal Trade-in Policy

Your old camera, movie or still, has a real cash value in the purchase of a new Stewart-Warner camera or projector. Write, describing your camera fully and we will forward a liberal offer by return mail.



Stewart Warner Movie Equipment

MOVIE SCREENS



These highly efficient projection screens are the last word in design for both amateur and professional use. Their highly reflective surfaces show the projected image with remarkable brilliancy, with that fine modeling and contrast that brings out the full value of the film.

Easily Erected—Compact

These screens fold compactly into an attractively finished carrying case that also acts as a base for the screen when erected. In erecting the screen, the top rail is drawn up to its full height as shown in the illustration, the metal frame work then snaps into position, drawing the screen into a taut, wrinkle-proof position, ready for projection.

Model 538-A
ALUMINUM SURFACE
SCREEN

Net \$12.50
Only.

Model 538-B
GLASS BEADED
SURFACE

Net \$20.00
Only.

FREE With each sale of a Stewart-Warner Movie Camera and Projector as shown on the opposite page, we will give free of charge, one aluminum surface screen. Given only when both units are purchased at the same time.

Special Lenses For

Stewart-Warner

Cameras—Projectors

CAMERA LENSES

F:1.5—A high speed, fully corrected lens for Stewart-Warner cameras..... **\$50.00**

F:3.3—Special 3 inch telephoto lens. Magnifies the image and brings distant objects into camera range..... **\$50.00**

Either of the above lenses including fitting to standard F:3.5 camera and telescopic view finder. Complete with adapter..... **\$60.00**

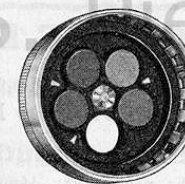
PROJECTOR LENSES

1-INCH—A special projector lens producing a brilliant well rounded image. A real value..... **\$8.50**

1½-INCH—The ideal lens projecting large, brilliant pictures. Passes an abundance of light. An unusual value..... **\$8.50**

3-INCH—Special long focal length lens for use with Stewart-Warner Projectors. Projects large brilliant images. **\$17.50**

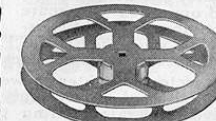
MULTIPLEX COLOR FILTERS



A turret head, four filter cap that fits over the lens head. Consists of light yellow, dark yellow, green and neutral density lens, also a lens hood. Permits beautiful cloud effects. Improves hazy backgrounds. Softens glaring snow and beach scenes. Ideal for out-door shots predominating in green. A real value.

Net to you, only..... \$5.00

Film Reels



400 foot capacity. Made of heavy gauge aluminum, sturdy hubs. Automatic grip clips for easy threading. Stamped with footage gauge.

Net to you, each..... 75c

Aluminum Film

Humidors



Made of heavy gauge aluminum, 400 foot reel capacity. Protects films against breaks and tears. Fine for storing films.

Net to you, each..... 75c

PEKO Jr. 16mm Projectors

A practical moving picture projector in the popular 16mm. size, designed to do a real job in picture projection, yet selling at a price that places it within reach of all. Accurately machined, silent in operation and fool-proof in design, it can be depended upon for many years of satisfactory service.

CLEAR BRILLIANT PROJECTION

Its efficiently designed lamp house employs a practical system of direct in line illumination, using a standard pre-focus 50 watt 110-volt projection lamp, operating in conjunction with a special 2-inch focusing lens in a standard mount. The large aperture of this lens assures a clear brilliant image on the screen.

POWERFUL DIRECT ILLUMINATION

Direct in line illumination provides maximum light efficiency, there being no loss through reflection. Ample provision has been made to protect the film from heat and still pictures may be projected without fear of injury to the film.

NEW REVERSIBLE FEATURE

The Peko Jr. projector is fitted with a special reversible mechanism, for projecting comedy effects, by reversal of action. Nothing has been overlooked in the design of the Peko Jr., to assure its proud possessor of the utmost in entertainment.

NEW LOW PRICES

Designed and manufactured with all the precision and care that you would expect to find in projectors costing much more than this famous Peko Jr.

List Price, \$26.50
Each

Special Screen for above, list.....\$25.00
Carrying Case for above, list..... 5.00

TRADE DISCOUNT 40%.

Specifications

Fitted with universal motor and operates on 110-120 volts A. C. or D. C. Furnished with 50 watt 110 volt projection lamp. Employs direct in line illumination. Reversing feature. Motor or hand rewind. Still pictures possible without injury to film. Fitted with 400-foot reel arm and furnished with 400-foot reel. All mechanical parts accurately machined and assembled. Black crystalline finish with highly plated trim.

MODEL G DeVRY—Home Movie Projector

List Price \$104.50—
New Low Net Price \$47.50

including beautiful carrying case

The new DeVry 16mm. projector is a distinct advance in the building of home movie equipment. Movie lovers who have seen it are enthusiastic in their praise, marvel at its lightness and simplicity, acclaim it the finest home movie projector ever offered to users of 16mm. film at such low cost.

Projects Brilliant Large Pictures

For more than two years DeVry engineers have worked to perfect this new 16mm. projector—to make it the outstanding projector for home movies—to simplify construction and operation—to secure better illumination than heretofore thought possible in this type—and they have succeeded. The F2. 50mm. lens in combination with the 200 watt coil coiled lamp and special reflector does the work.

The new DeVry 16mm. projector is lighter in weight and occupies less space than any other 16mm. projector. The universal motor and mechanism are exceptionally quiet in operation. The framing device operates during projection and permits the use of all 16mm. films.

Specifications

All metal construction—black lacquer finish. Size 9 1/2"x7"x6 3/4".

Weight, seven pounds.

Universal motor operating on 110-120 volts A. C. or D. C.

Positive claw movement. Rheostat controls adjustable speed.

F2.50mm. lens.

Perfect optical system. Rapid geared rewind. Film idlers lock in position.

Lamp, coil-coiled 200 watt prefocus base—instantly interchangeable.

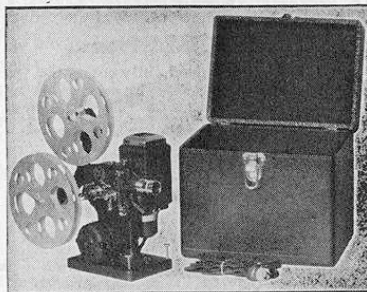
Framer (operates during projection).

Capacity 400 ft.—equivalent of 1,000 feet of standard 35mm. film.

Safety stop-on film feature.

Model G DeVry Projector, including case,
new low net price.....

Special Screen for above, net.....\$15.00



De VRY AUTOMATIC Film Slide STEREOPTICON

Automatic Operation

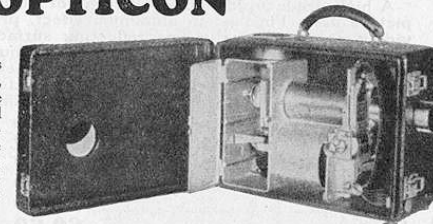
Will project from 80 to 100 still pictures (of single frames) on 35mm. film brilliantly, continuously and automatically—without the attention of an operator. All units are brand new and fully guaranteed. An ideal instrument for use at conventions where it can be arranged in the booth to give a continuous pictorial description of your product. It will prove of real value to the salesman on the road in placing before his customers a convincing story of his product.

For Advertising Purposes

Placed in the display window of your store it will quickly attract the attention of the passerby. Its automatic operation makes it ideal for this purpose. May be operated with any single frame of standard 35mm film, including positive film strips from miniature cameras using 35mm. film.

A Super Rexo Value

The unique design of this instrument provides positive control over the operating speed and the intervals at which the picture changes. A very fine, sharp lens is provided for projection. These units were constructed to sell for not less than \$125.00. They are brand new, fully guaranteed.



Specifications

The fine DeVry Stereopticon Projectors are mounted in an attractive leather covered (suitcase type) carrying case. Electrically operated. Will accommodate all 35mm. film slides which can be made on any standard 35mm. camera. Powerful 200 watt bulb furnishes illumination.

List Price \$125.00

Discount 50%,
NET ONLY \$62.50

ONLY \$4.50 Pathe Movie Projector

A practical projector for showing the new 9.5mm films. Substantially constructed of fine materials, accurately machined and assembled. It will project a brilliant image. Film rental libraries are now offering a wide range of film for these 9.5mm projectors.

Projects Large Brilliant Pictures

A special projector type of bulb is used for illumination, the light intensity of which is adjustable by a rheostat. A scientifically designed reflector directs the concentrated light ray through the film resulting in a brilliant image.

An Outstanding Bargain

They are all brand new and guaranteed perfect. A special quantity purchase enables us to offer them at this extremely low price. An exceptional value.

Regular List Price \$19.00
Net only..... \$4.50
Six or more 33 1-3 % Discount



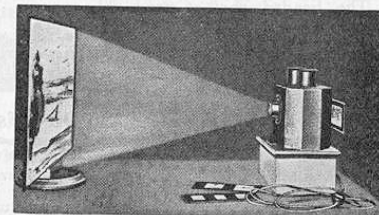
THE NEW CENEISCOP PROJECTOR

For Picture Projection

The new Rexo Ceneiscop is a real practical device for projecting small photographs, post cards, clippings, drawings, illustrations and photographs of all kinds. It will quickly pay for itself in the many hours of pleasant entertainment it will provide. This method of projection is meeting with great favor in the school room and lecture hall.

Prismatic Type Mirror

It is furnished with a prismatic type of mirror for direct viewing projection. Two 100 watt bulbs supply the light source. When image is projected on any standard motion picture screen great clarity is obtainable. Three glass slides are also furnished.



List Price \$45
NET ONLY..... \$29.50

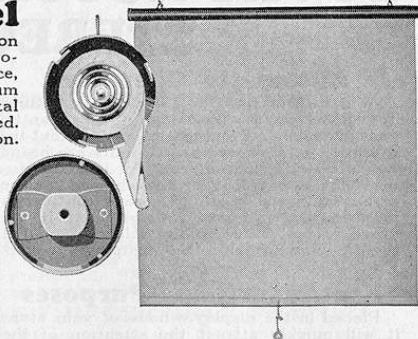
THE NEW MOTION PICTURE SCREENS

Rexo 'Roll-Up' Model

A high grade projection screen ideal for motion picture use. Finished in aluminum effect, providing an exceptionally fine reflecting surface, producing clear cut pictures with a minimum amount of light. The screens roll up in a metal case, are easily handled and instantly erected. Can also be used for stereopticon projection.

Size—Feet	List Price
3 1/2 x 3 1/2.....	\$ 5.60
4 x 4.....	6.90
5 x 5.....	11.60
8 x 8.....	32.60
10 x 8.....	60.60
12 x 9.....	92.50
15 x 12.....	143.00

Discount 15%; Three 33 1/3%.



Da-Lite Model B Screen

A high grade beaded screen in the popular Map Style. Rolls up like a window shade into a metal case. Small compact, easy to handle and highly efficient. Its beaded surface gives depth and brilliance to the projected picture with a minimum amount of light. May be hung on the wall or any suitable surface, the screen drawn down, and you are ready to project.

Size—Inches	List Price
30 x 40.....	\$10.00
36 x 48.....	12.50
39 x 52.....	15.00
45 x 60.....	20.00
52 x 72.....	25.00

Dis. 15%; Three 33 1/3%.

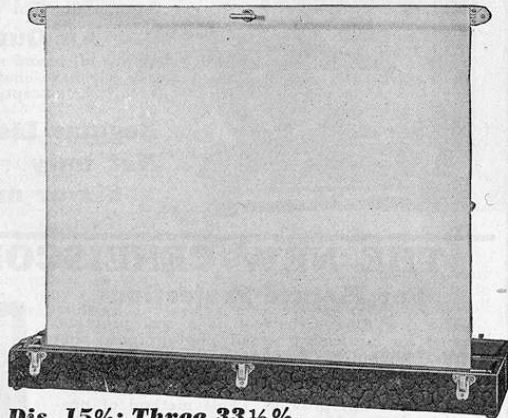
New Model A Screen

A highly efficient folding bead screen, contained in a beautifully finished, brown leatherette covered wood case. It is equipped with a semi-automatic mechanism that erects the screen, and a special stretching device that brings the screen to a drum-like tension, ready for projection.

DRUM-LIKE TENSION

Vertical side arms hold the screen rigidly upright, while a special knob trips the arms into folding position. The beaded surface is highly reflecting producing brilliant pictures.

Size—Inches	List Price
22 x 30.....	\$20.00
30 x 40.....	25.00
36 x 48.....	30.00
39 x 52.....	35.00



Dis. 15%; Three 33 1/3%.

DA-LITE CHALLENGER SCREEN WITH STAND

A high grade screen with a novel erecting feature which makes it possible to lift the screen into full and positive operating position. Furnished complete with special tripod stand. The screen rolls into a metal tubular case when not in use while the tripod folds compactly. A special mechanism holds the screen in perfect alignment when erected. Its highly reflecting surface assures fine brilliant pictures.

30x40 in., List Price, complete	\$20.00	36x48 in., List Price, complete	\$25.00	39x52 in., List Price, complete	\$30.00
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Discount 15%; Three 33 1/3%.

STINEMAN MOTION PICTURE PRINTERS

CONTINUOUS TYPE

Made in two sizes—for Standard (35mm.) and Sub-standard (16mm.) Film.

A Stineman printer will enable you to make as many duplicates as you want at a very low cost. It does away with shipping film to distant points for printing with the attendant delay and expense.

Fine Mechanical Construction

Mechanical adjustments are few and simple so that it is easy to produce perfect prints or positives. It is of the continuous type scientifically built and very accurate. Printer may be driven by hand or any motor.

200 Feet Film Capacity

Capacity of magazine 200 feet. Both printers weigh 10 1/2 pounds and are so compact that they can be carried in a suit case if desired.

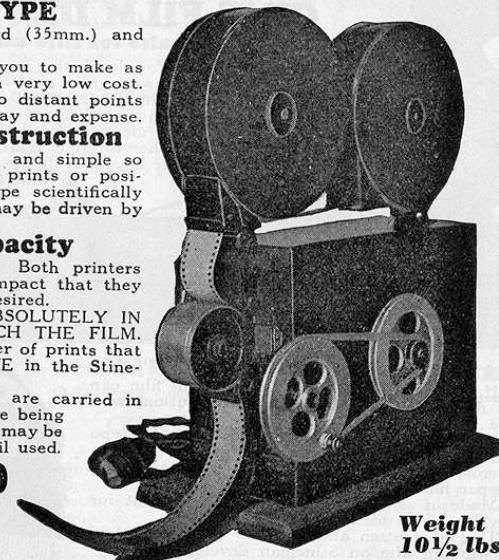
The Stineman Printer prints ABSOLUTELY IN CONTACT, and CANNOT SCRATCH THE FILM.

There is NO LIMIT to the number of prints that can be made from ONE NEGATIVE in the Stineman Printer.

Both negative and positive film are carried in the magazines; the positive magazine being light tight, and the unused positive may be left in the magazine indefinitely until used.

List Price, **\$90.00**
Each.....

Special discount for cash.
Write for quotations.



Weight
10 1/2 lbs.

ARRI FILM PRINTERS

New
Low
Price



The Arri Printer is a triumph of engineering skill. A step printer of the most advanced type with a quadruple claw system, with extra long claws preventing creepage, unusually well adapted for printing from old or shrunken negative. It is compact and sturdy and incorporates numerous features. Operates on any voltage; the intermittent is an electrically operated switch which turns the light on and off while the film is moving in the aperture; the film track is polished brass with film rails and pressure plate of tool steel. The frame line is adjustable for 16mm. and standard 35mm. A dimming arrangement on the front of the printer permits varying of exposure. The patented double pins on each side keep the film in perfect alignment.

Specify Voltage when Ordering

Standard Arri Printer for 35mm. negative for hand operation, complete with bulb, ready for use.....	\$50.00
Arri Printer for 16mm. negative, complete with bulb, hand operation.....	50.00
Standard Arri Printer for 16mm. film, complete with motor.....	\$90.00
Standard Arri Printer for 35mm. film, complete with motor.....	\$90.00

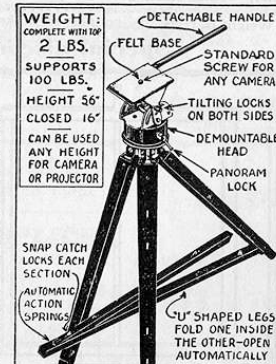
Special discount for cash. Write for quotations.

TRIAx TRIPOD with Triax Panoraming and Tilting Top COMBINES STRENGTH, RIGIDITY AND LIGHTNESS—Built of Duraluminum

Opens automatically in three seconds by the pressing of a release trigger. It weighs only two pounds including Pan and Tilt Top yet supports one hundred pounds. It combines rigidity and strength without weight. Unique portability feature invites its constant use.

4 section model, height 47 inches, closed 18 inches, weight 1 1/4 pounds, List Price.....	\$6.00
5 section model, height 56 inches, closed 16 inches, weight 1 1/2 pounds, List Price.....	7.50
Triax Top, complete with handle, List Price.....	7.50
Triax Top with 5 section Triax Tripod (as illustrated) List Price.....	14.00
5 section model with revolving and locking Tumbler Top, List Price.....	8.50

Special discount for cash. Write for quotations.



THE NEW STINEMAN SYSTEM for CINE FILM DEVELOPMENT

16, 35 and 70 mm., also for film used in all Ve-Ja-De Cameras

The Stineman System for developing motion picture film has proven successful and efficient and is of great practical value. Expeditions are carrying this system to all parts of the world because it is the only method of immediate development. It has proven ideal for both the amateur and professional photographer for it is light in weight, compact and portable. It uses any and all developing agents with equal success and the emulsion of the film is never touched by the hand.

The Stineman system of development, while economical in operation, assures uniform results. It can be worked with any developer formula—and affords fine control through the entire process of development.

SAVES DEVELOPING SOLUTION

If, with a Stineman tank 200 feet of film can be developed in two gallons of solution, why use forty?

The Stineman Developing reels and Hypo tanks are built of all monel metal and are non-corrosive. The developer and wash tanks are copper nickel-plated.

Made in sizes to meet every requirement for developing 18 to 200 feet.

The illustration above shows correct method of winding film on Stineman developing reel.

MONEL METAL CONSTRUCTION

In all parts of the Stineman system only the finest materials are used. The hypo tanks and developing reels are of all monel metal construction impervious to chemical action. The nickel-plated, copper tanks for developing and washing are highly efficient and easy to keep clean.

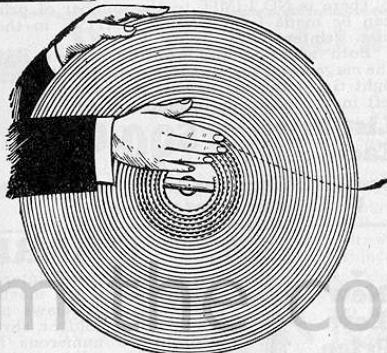
AMATEUR AND EXPERIMENTER'S OUTFIT

Cat. No.	Price
G-600—Three Nesting Tanks and Two 18-Foot Reels.....	\$35.00
G-601—Three Nesting Tanks and One 50-Foot Reel.....	30.00
G-602—Three Nesting Tanks and Two 50-foot Reels.....	50.00
G-603—Three Nesting Tanks and Three 50-Foot Reels.....	70.00
Weight of reels, 3 pounds; of tanks, 4½ pounds.	

SPECIAL TRAVELING OUTFIT

G-604—Three Nesting Tanks and One 100-Foot Reel.....	\$50.00
G-605—Three Nesting Tanks and Two 100-Foot Reels.....	82.00
G-606—Three Nesting Tanks and Three 100-Foot Reels.....	114.00
G-607—Three Nesting Tanks and Four 100-Foot Reels.....	146.00
Weight of reels, 5½ pounds; of tanks, 10 pounds.	

Special discount for cash. Write for quotations.



Cat. No.	STUDIO EQUIPMENT	Price
G-608—Three Nesting Tanks and One 200-Foot Reel.....		\$86.00
G-609—Three Nesting Tanks and Two 200-Foot Reels.....		136.00
G-610—Three Nesting Tanks and Three 200-Foot Reels.....		186.00
G-611—Three Nesting Tanks and Four 200-Foot Reels.....		236.00
G-612—Three Nesting Tanks and Five 200-Foot Reels.....		286.00

ACCESSORIES

G-613—One 50-Foot Single Spun Tank.....	\$ 4.00
G-614—Three Nesting 50-Foot Spun Tanks.....	10.00
G-615—One 100-Foot Single Spun Tank.....	7.50
G-616—Three Nesting 100-Foot Spun Tanks.....	18.00
G-617—One 200-Foot Single Spun Tank.....	15.00
G-618—Three Nesting 200-Foot Spun Tanks.....	36.00
G-619—One Single 50-Foot Reel.....	20.00
G-620—One Single 100-Foot Reel.....	32.00
G-621—One Single 200-Foot Reel.....	50.00
G-622—One 100-Foot Wire Screen.....	1.00
G-623—One 200-Foot Wire Screen.....	2.00

STINEMAN DRYING RACKS For 35mm. — 16mm. Film

Realizing the need for a collapsible and efficient Drying Rack, the manufacturers of the Stineman Developing and Printing Outfits have brought out the folding rack illustrated.

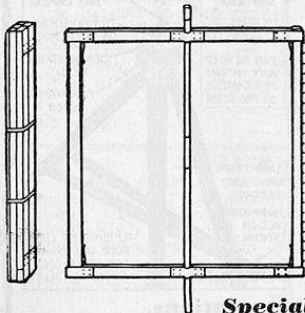
The Rack has a capacity of 200 feet and measures 4x4 feet when set up for use. When collapsed it folds into a small package as shown. Weight 7 lbs.

By the use of this rack film may be dried in any small space and only weighing seven pounds, it can be easily carried while traveling.

It is an adjunct to the other two devices of our manufacture which will be appreciated by the buyer of our products.

Cat No. G-625. List Price, each..... **\$10.00**

Special discount for cash. Write for quotations.



THALHAMMER REWINDER

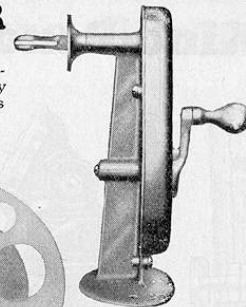
A Real Time Saver

A high grade film rewinder for 16mm. film. Accurately designed and of substantial construction. It incorporates many new features that make for real convenience in use. Saves time and protects the film from undue wear.

Step-up Gear Construction

The accurately machined gears are smooth running and free from play, eliminating back-lash. The step-up ratio of the gears speeds up the re-winding operation and greatly simplifies an otherwise tedious job. Highly recommended.

LIST PRICE EACH. **\$15.00**



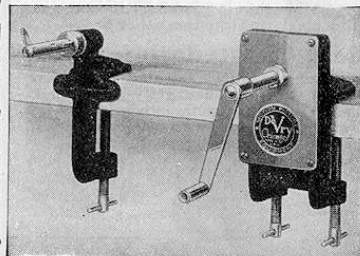
You save real money at these new Low Prices

REXO 16mm. & 35mm.

COMBINATION REWIND

A combination rewind for both 16mm. and 35mm. film. A lengthened shaft with a unique spring button holds either size reel securely. All metal construction, accurately machined and assembled. Clamps securely to any table edge.

LIST PRICE EACH..... **\$7.50**



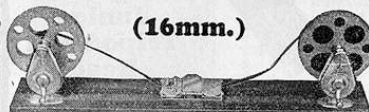
35mm FILM REWINDER

A low priced rewinder designed for use with standard 35mm. film. Can be instantly clamped to any bench or table edge. While extremely simple in construction and design, it is highly efficient in operation.

High Gear Ratio for Speed

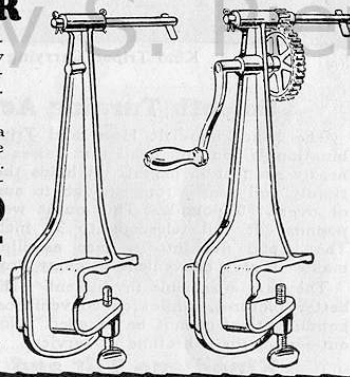
The reel shaft is securely aligned with an extra long bearing. The accurately machined gears provide a step-up ratio that makes for real operating speed. Standard of heavy grey iron coating. Will accommodate both 1000 and 2000 feet reels.

NET PER PAIR..... **\$5.00**



(16mm.)

HANDY SILENT SPEEDY



CRAIG SPLICER AND THALHAMMER REWINDER

A combination splicer and rewinder. In splicing it cuts both film ends square, scrapes and clamps film during cementing. Reduces splicing time in half. Includes a new silent rewinding mechanism for 16mm film. Makes an ideal combination for the amateur.

LIST PRICE, EACH..... **\$25.00**

REXO FILM SPLICER

The REXO Film Splicer is the finest little machine made for mending 35mm. film, NET PRICE, EACH **\$6.50**

GRISWOLD FILM SPLICER

This splicer is made to do splicing rapidly and is ideal for the professional as well as the advanced amateur.

Model R2, for 35mm. film, NET **\$22.50** Junior Model for 16mm. film, NET **\$13.50**

FILM CEMENT

Comes in one ounce bottles, with small brush for applying to film, NET Price per bottle..... **30c**



Kino-Pano-Tilt Head and Tripod

Universal Adjusting

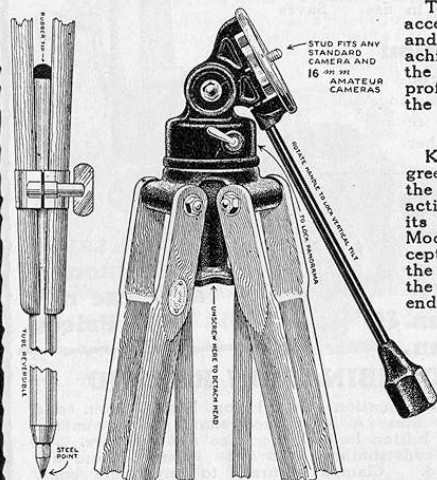
The Kino-Pano-Tilt Head and Tripod has been accepted by the amateurs, professionals, dealers and camera manufacturers as the height of achievement in tripod equipment for use with the popular 16mm. cine camera, also with small professional motion picture cameras, similar to the DeVry 35mm. size.

125 Degree Tilt

Kino-Pano-Tilt has a tilt movement of 125 degrees and a complete turn of panoram, and is the only tilt head that is absolutely smooth in action. These attractive features together with its portability put it in a class by itself. The Model B and Model B. L. Tripods have been accepted as incomparable. The lower section of the tripod is made of wood, metal covered and the legs are reversible, having rubber tips on one end and pointed steel tips on the other.

Finest Construction

Constructed of the finest selected materials. All metal parts are accurately machined, providing a smooth even movement—no binding at any point—no sudden jerks. Quickly adjustable for any position.



Close up detail view Kino-Pano-Tilt Head and Tripod



Kino Tripod Carrying Case

Smooth Turning Action

The Kino-Pano-Tilt Head and Tripod is a combination tripod and head that raises the camera to nearly six feet in height. It holds the camera very rigidly and it is strong enough to sustain a weight of over 100 pounds. This outfit weighs only five pounds. It will telescope to 33 inches in length. The tripod fits into a case as illustrated which makes it very convenient to carry around.

They are a sensible investment. Their use means better pictures, while for convenience and ease in handling they cannot be excelled. Nothing to wear out—good for a lifetime of service.

Kino-Pano Tilt and Tripod as a Projection Table

We offer special projection base plates to fit nearly every 16mm. make. The plate is placed in the same position on the tripod as a camera, the base of the projector being clamped onto these plates. Plates are made from light weight metal and conform to the base of standard projectors. When ordering, specify the make of projector you intend to use with this base.

Model B. Kino-Pano-Tilt Head and Tripod.....	\$32.50	Thalhammer Junior Model (sold complete only) with new style pan head.....	\$25.00
Model B. Kino-Pano-Tilt Head only.....	15.00	Kino-Pano Projector Plates for Round Filmo and new Victor (Model A).....	\$7.00
Model B. L. Kino-Pano-Tilt Head and Tripod, improved model.....	35.00	Kino-Pano Projector Plates for Oval Filmo (New Model).....	7.50
Model B. L. Kino-Pano-Tilt Head only.....	17.50	Kino-Pano Projector Plates for DeVry (16mm.) Projec. Model D.....	6.50
Kino-Pano Tripod only, List price.....	17.50	Kino-Pano Projector Plates for Kodascope Model B.....	8.50
Carrying Case for Tripod, List price.....	5.00	Kino-Pano Projector Plates for Kodascope Model C.....	5.50

DISCOUNT TO DEALERS UPON REQUEST



The New Thalhammer Junior Tripod and Head

Spurr's Celluloid Mezzo Plates

Eliminates Retouching

These celluloid plates are furnished smooth and glossy on one side and matt on the other. They serve many purposes in photography. When placed in the printing frame between the negative and the paper, they diffuse the print, soften hard lines and contrast and correct minor blemishes in the negative, eliminating retouching.

For Double Printing

The matt surface of these plates takes the pencil readily. They may be bound to the negative and all retouching done on the Mezzo plate, saving the original negative. Whole backgrounds may be worked in, in this manner. Photo-engravers and artists find many uses for these labor saving plates.

Needed in Every Photographic Work Room

May be used in both contact printing and enlarging, where double printing is resorted to for special effects and for putting clouds in pictures. Place the Mezzo plate over the negative. With a sharp pencil outline the portion of the negative you desire to mask. Then proceed with the two exposures, using the mask while printing the first negative and removing it for the second. Mezzo plates may be used in place of ground glass in emergencies or on cameras that receive rough handling.

3 1/4 x 4 1/4 inches	List Price, each.....	10c	5x8 inches	List Price, each.....	25c	10x12 inches	List Price, each.....	55c
4x5 inches	List Price, each.....	15c	6 1/2 x 8 1/2 inches	List Price, each.....	30c	11x14 inches	List Price, each.....	75c
5x7 inches	List Price, each.....	20c	8x10 inches	List Price, each.....	40c	20x50 inches	List Price, each.....	\$4.50

Special sizes cut to order in lots of 12 or more.

Trade Discount 10%; Six Assorted 33 1/3%; Dozen Assorted 40%; Gross Assorted 50% and 10%.

The Rexo Portable Background

A choice of two backgrounds at the price of one

That's what you get with the Rexo Portable Background. It's made of the finest duplex background cloth—white on one side and black on the other. This unique feature gives you a choice of two backgrounds at the price of one.



This background can also be used to advantage as a reflector when the white side is placed in the proper position to reflect the light on the object being photographed. They make a mighty handy outfit for small groups or one can be used as a reflector and the other for a background. For all around service and economy it just can't be duplicated. Made in two sizes, No. 1, small for single figures and portraits and No. 2, large for small groups and bridal couples.

Rexo No. 1 Small Portable Background, open 48"x84", \$4.50
closed 84"x2", Net.....

Rexo No. 2, Large Portable Background, open 72"x84", \$9.00
closed 84"x3", Net.....

Rexo Special No. 1 Stand (for No. 1 background only), 86" high when open, Net..... \$3.50

Rexo Special No. 3 Stand (will support either background), extra heavy, 102" high when open, Net..... \$9.00



Background and Stand Folded

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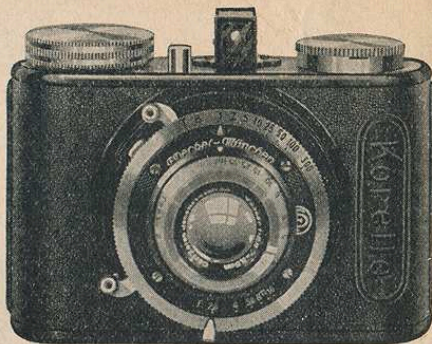
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KORELLE MINIATURE 'K'

A NEW SUPER QUALITY MINIATURE CAMERA

The camera enthusiast, who is looking for the unusual in quality miniature camera design, will find in this new Korelle K a camera of outstanding quality, of rigid precision construction, incorporating the finest in lens and shutter equipment. Using standard 35mm. moving picture films, it has a capacity of 100 shots at a loading, and the negatives it produces are so sharp, of such critical definition that tremendous enlargements are possible with contact print quality. Its capacity of 100 shots at a loading makes it the ideal camera for use on outings, trips, vacations, etc. Its simplicity of design and fool-proof construction makes it the ideal camera for novice or experienced operator alike.



USES STANDARD CINE FILM

Using standard 35mm. cine film, the clips may be loaded with any desired amount of film up to 100 shots. The film carrier and the release are connected with each other in such a way that double exposures cannot happen, and an automatic counter registers the number of shots made. The used portion of the film may be removed at any time with a very little loss of film.

Fine Lens Equipment

The fine lens equipment combines both speed and critical definition. Being fully corrected anastigmats, they assure fine perspective and eliminate distortion. Their wide aperture passes an abundance of light for arresting motion in speed and action photography, and when stopped down for use under normal light conditions, they provide tremendous depth of focus. The complete camera weighs only 300 grains, measures 90x32x56mm. overall and produces negatives measuring 18x24mm. (1 1/8 x 1 inch). All working parts are accurately machined and fitted. Provision is made for focusing from 0 feet to infinity.

Small in Size—Fits the Pocket

The small size of the Korelle K makes for real convenience. One hundred shots at a loading provides ample exposures for any outing, and reloads can be made instantly. Its miniature of outstanding merit.

Beautiful Finish

The beautiful finish of the Korelle K will meet with the instant approval of the most critical. Leather covered with exposed metal parts in black enamel and nickel plated. Being small and compact, it fits the hand. Conveniently placed controls makes it a pleasure to operate.

No Double Exposures

Unique design in the Korelle K eliminates the possibility of double exposures. To set the camera for each exposure you automatically advance the film, and as you make exposures the automatic counter shows you the number made.

With Trioplan F:2.8 Lens

Fitted with genuine Hugo Meyer Trioplan anastigmat lens of F:2.8 aperture, having a focal length of 3.5cm. The extreme speed of this lens assures well exposed negatives under most any light condition. The accurate high speed new style Compur shutter provides exposure speed from 1 to 1/250th second, as well as time and bulb.

LIST PRICE, EACH.....

\$52.00

Yellow Filter.....\$3.00

With Zeiss F:2.8 Tessar

Fitted with genuine Carl Zeiss Tessar of F:2.8 aperture. A fast, sharp cutting anastigmat of recognized quality. Its focal length of 3.5cm. makes for fine picture composition. The high speed new style Compur shutter provides exposure speeds of 1 to 1/250th second as well as time and bulb.

LIST PRICE, EACH.....

\$68.00

Yellow Filter.....\$3.00

DEALERS DISCOUNT 35%.

75 exposure roll of Fine Grain Film for above, each.....\$.90

**NOW!
A MINIATURE
CAMERA
DE LUXE**

**NET TO YOU
ONLY**

\$42⁵⁰-

3 IN 1

KORELLE



**CASSAR
F 2:9**

A miniature camera that offers all the advantages of the finest precision made outfits. Its unique design permits the use of roll film, film packs, cut film or plates. A special ground glass focusing back eliminates guess work in focusing, assuring sharp, crispy negatives. The high speed anastigmat lens and genuine delayed action Compur shutter completes the assembly, producing a camera adaptable to all forms of modern photography, offering the amateur or professional, everything he would look for in a high grade versatile, precision miniature.

.. THE CAMERA FOR EVERY USE ..

The picture size of 1 1/8 x 2 1/2 inches provides negatives of ample size for direct contact prints, and large enough to permit tremendous enlargements without loss of detail. Using plates or cut film, the operator has at his disposal, a tremendous variety of sensitized materials, opening up a new field in fine photography with a miniature camera. And all of this, mind you, in a camera measuring only 5x2 3/4 x 2 inches, small enough for any pocket. Precision construction provides utmost rigidity, and the bellows when extended holds the lens front in true focal plane to the film.

HIGH SPEED LENS AND SHUTTER

SUPER SPEED LENS

The high speed Steinheil Cassar F:2.9 anastigmat lens makes you independent of light conditions and with the high speed films now available, good negatives are assured under adverse light conditions.

Complete with Steinheil Cassar F:2.9 Lens

The complete Korelle Miniature with Steinheil Cassar F:2.9 Anastigmat lens, Compur shutter, three plate holders, film pack adapter, and ground glass focusing back is offered at this exceptionally low price. A leather pocket-book pouch for holding the camera is also supplied. A splendid value.

List Price Each.....

\$65.40

DEALERS DISCOUNT 35%.

COMPUR SHUTTER

The new style Compur shutter is equipped with a special delayed action mechanism, permitting the operator to get into the picture. Exposure speeds of 1 to 1/250th second are provided.

Ground Glass Focusing Back

The ground glass focusing back permits critically sharp focusing. It enables you to arrange the composition, to get the exact depth of focus, to see beforehand just what you are going to get in the picture. With each camera three plate holders, a film pack adapter and the focusing back are included.

For Plates, Roll Film, Cut Film, or Film Packs

Unique design permits the use of roll film, cut film, plates or film packs. The accessories for their use are instantly interchangeable. A camera for the serious minded amateur.

WITH ZEISS F:2.8 LENS

Same camera as listed above but with Zeiss Tessar F:2.8 in Compur shutter.

List \$80.00

Net to you

\$52.00