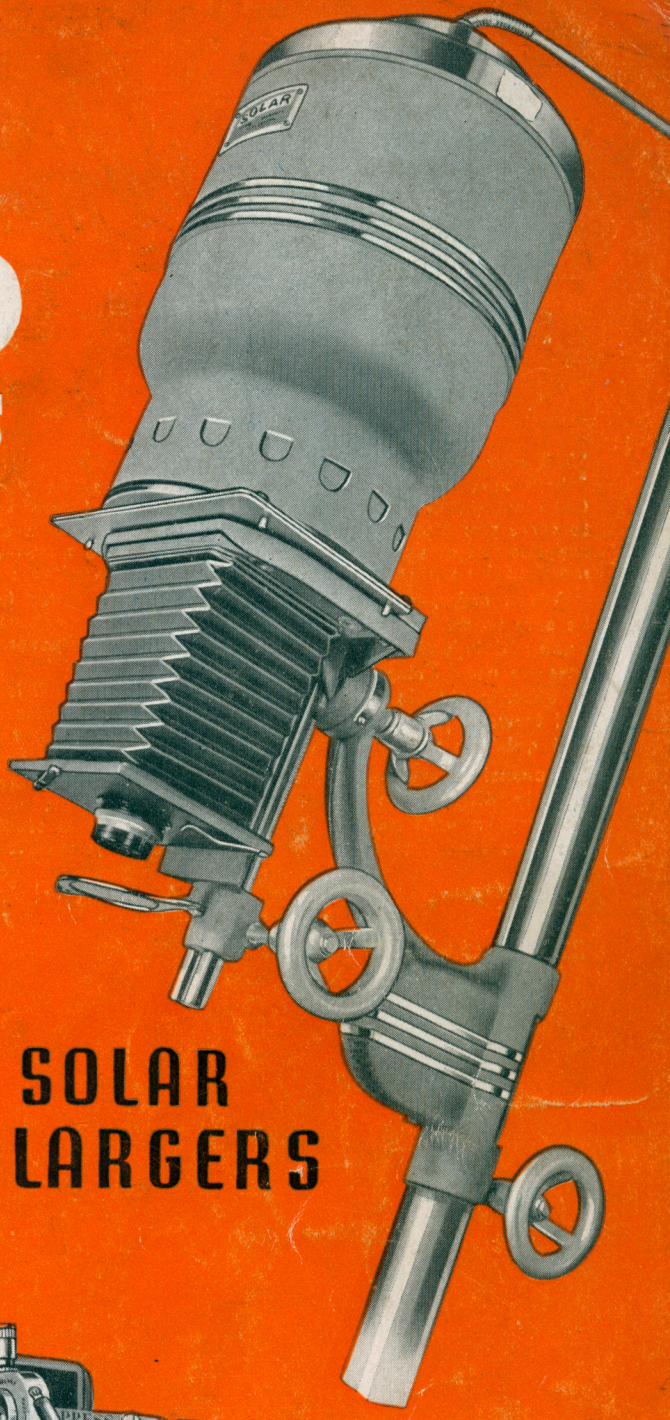
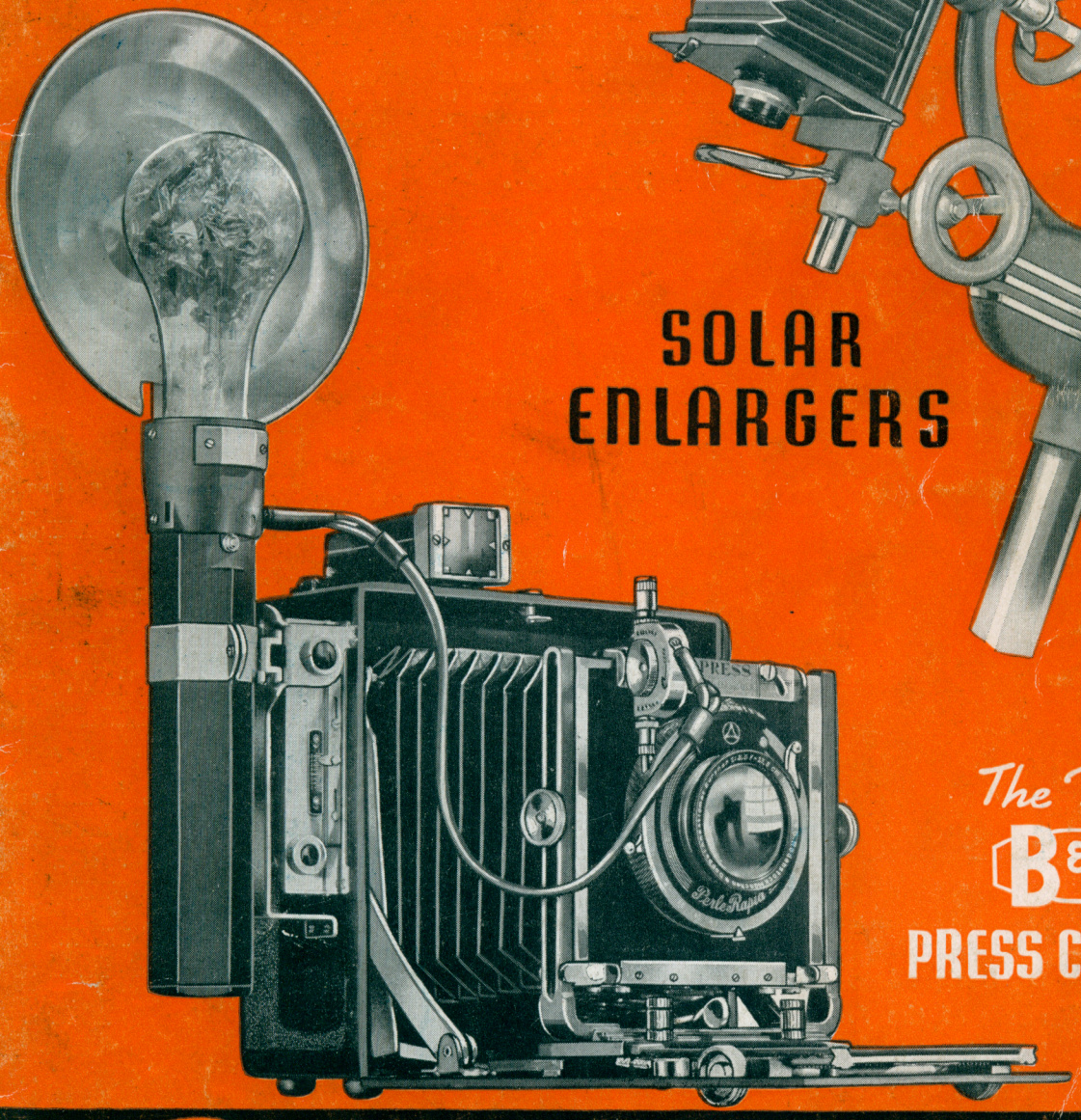
PHOTO SUPPLIES



SOLAR ENLARGERS



The New B&J PRESS CAMERA

CATALOG No. 741 R

Burke & James, inc.

223 WEST MADISON STREET

CHICAGO, ILLINOIS, U. S. A.

44th Anniversary CATALOG

FOR over 44 years the B & J organization has faithfully served the industry, both amateur and professional alike—setting the pace as leader in this fast moving industry. The experience accumulated over these years qualifies us to serve you promptly and efficiently. Our tremendous stock of photographic supplies and equipment, among the largest in the country, the large variety of merchandise we carry should prompt you to concentrate your purchases here.

When ordering from this catalog be sure to write your name and address plainly and state on your order how we should ship. In the absence of specific shipping instructions, we will forward your order the cheapest and quickest way.

Unusual conditions make it extremely difficult to handle serving and repairs on items of other than our own manufacture, at this time.

Prices listed in this catalog supercede and cancel all prices listed in former catalogs. All prices quoted are subject to change without notice.

War conditions make all orders subject to price change and ability to deliver, without notice.

All items listed in this catalog may be obtained from your local photographic dealer. He maintains a complete stock and is anxious to serve you efficiently and promptly.

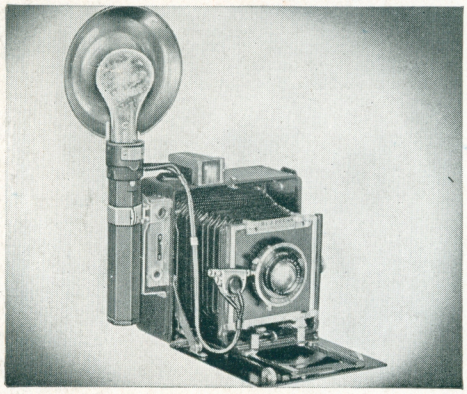
BURKE & JAMES, Inc.

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GUARANTEE: Our guarantee of complete satisfaction applies to all merchandise listed in this catalog. While every effort is made to accurately describe all items, we assume no responsibility or liability for errors in descriptions. We reserve the right to withhold shipment, to refund in full or to effect satisfactory adjustment in trade, etc., without any legal recourse.

NOTE: Under existing unusual conditions, we reserve the right to change specifications as necessary—subject to the conditions outlined in the guarantee. All prices subject to excise or special sales tax.



THE NEW 4x5 INCH B&J PRESS CAMERA

- Designed to meet the exacting needs of the Press Photographer — loaded with every essential press feature, for successful negative making under the widest possible range of conditions. . . . For the advanced amateur — the professional — the portraitist and the pictorial worker, it is like a dream come true!

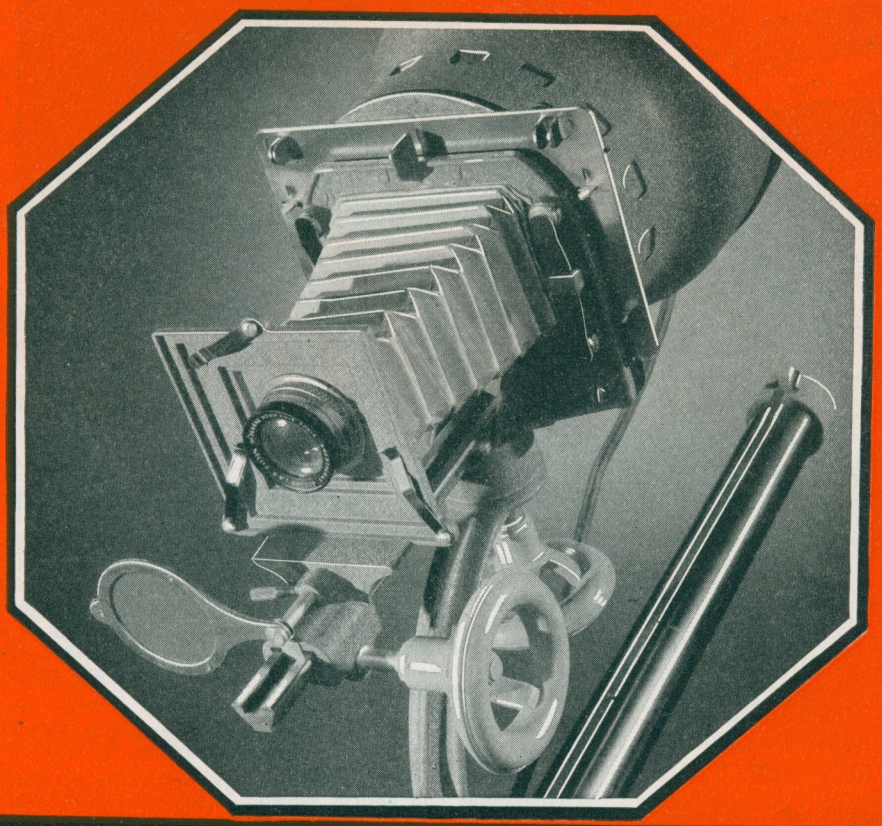
READ ALL ABOUT IT

TURN NOW TO PAGES 45, 46, 47 and 48

• INDEX •

	PAGE NO.
Aprons	66
Backgrounds	87-88
Blotters	70
Brushes, Spotting	68
Bulbs, Enlarging	61, 63-64
Cable Releases	83
Cameras	14-17, 20-21, 45-48, 60, 69, 91-92, 76, 78-79
Cases, Carrying	24
Cement	68
Changing Bags	72
Clips	72
Cloth, Backing	29
Cloth, Focusing	68
Condensers	83
Cotton	70
Dryers	73, 84
Easels	56
Enamel, Probus	67
Enlargers	5-11
Enlarging Accessories	12-13
Envelopes	82
Exposure Meters	30
Field Glasses	71
Film File	71
Film Holders	28, 60, 83
Film Pack Adapter	28
Filters	18-19, 23, 26-27
Frames, Printing	75
Funnels	67
Graduates	67
Hydrometer	69
Hypo	67
Intensine	67
Iris Adapters	82
Irons, Mounting	68
Knives, Etching	68
Lantern Slide Equipment	80
Lens Caps	75
Lenses	32-44, 49-55, 90
Lenses, Projection	55
Magnifiers	68
Meters, Enlarging	56-57
Mezzo Plates	57
Mounting Corners	82
Movie Accessories	77-79
Opaque	67
Paper Holders	67
Photoflash Equipment	61-63, 65
Photoflood Equipment	61-65
Polish	66-67
Printers	76, 85-86
Printing Masks	75
Projectors, Slide	79-81
Racks	70-75
Range Finders	22, 83
Reducing Backs	28
Reflectors	61-62, 65
Rollers	74
Safelights	64
Scales	86-87
Screens	77
Shears	75
Shutters, Slide File	71
Shutters, Packard	60
Sponges	66
Spotlights	62
Squeegees	75
Squeegee Plates	66-67
Stands	62, 65
Straighteners	86
Sunshades	19, 25, 89
Supplementary Lenses	18-19, 25-26, 83
Synchronizers	22-23, 74
Tanks	66, 70, 85-86
Tape, Scotch	68
Thermometers	69
Timers	58
Tongs	67
Trays	67, 70
Trimmers	59
Tripods	27-29
Ventilators	75
View Finders	23
Washers	72, 84
Winders, Film	71
Wringers	87

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The distinguished family of SOLAR ENLARGERS

Solar value should be measured by the quality of the prints they produce. No expense has been spared, no features overlooked, no essential adjustments left out to impart to the entire Solar line of Enlargers that basic requirement of producing a perfect projection print. While the quality of a print as regards detail and contrast depends upon the negative—it falls upon the light and optical system of the enlarger to bring out in full measure all of the detail and tone gradations of the negative . . . and Solar Enlargers are designed and constructed to do just that. That is why we ask you to measure Solar value by print quality. Eight models of Solar Enlargers cover the full range of negative sizes from 35mm. to 5x7 inches.

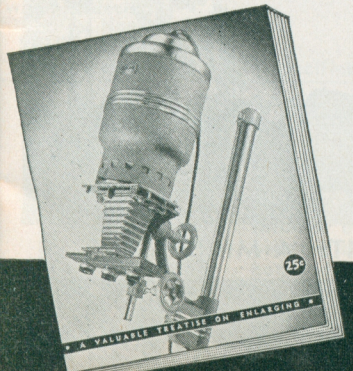
PRECISION CONSTRUCTION

The present perfection of Solar Enlargers has been achieved through years of patient research and engineering. They are constructed with the painstaking care and precision accuracy that distinguishes fine apparatus. To see—to handle and to operate a Solar will quickly convince you of the engineering precision and excellence of design of every detailed element that enters into its assembly. You will notice the absence of cheap metal stampings. The frame work and structural elements are solid metal—all accurately machined and fitted to form a smooth working, substantially constructed enlarger that can be depended upon, not only to produce a better print—but to give you a lifetime of service as well.

PROVEN LIGHT SYSTEM EFFICIENCY

No single component in the design and assembly of an enlarger has as much bearing on the quality of the print produced as the light and optical system employed. The intensity of the light passing through the negative must be uniform over its entire surface if true tone scale or gradation range of the negative is to be projected to the easel, and the value of the light passing through the negative must be of sufficient intensity to assure reasonably short exposures. In actual practice this is an accomplished fact in Solar Enlargers. Both diffused and condenser light systems are employed—each of which brings out in the print the full tone scale of the negative.

THE SOLAR TREATISE ON ENLARGING



This 44 page Treatise on Enlarging is loaded with valuable information on how to produce "Prize winning enlargements." Experts collaborated in its preparation to bring you in a compact, easy-to-read volume, the why and wherefore on projection printing. It covers every phase of enlarging, dodging, double printing, photo montages, mounting, toning and finishing. It is supplied free with every Solar Enlarger. It will be furnished free on request to interested parties.

EXCLUSIVE FEATURES

In the design and construction of Solar Enlargers, exclusive patented or patent applied for features are incorporated that are found in no other enlarger. All Solar Enlargers are sold as complete assemblies including the baseboard. This tends to form one integral unit of the entire enlarger assembly, and by careful distribution of weight a dynamic balance is secured.

IMPROVEMENTS IN DESIGN

Descriptions and specifications on Solar Enlargers as given here are accurate as of the time of going to press. Because of the constant improvements and design refinements being made, and unusual conditions, we reserve the right to supply the model currently being manufactured at the time your order is received. All orders are accepted subject to this understanding — and we agree to accept the return for full credit from our dealer, within 10 days of date of shipment. Beyond that period we cannot make any adjustments or allowance.

WHAT OWNERS SAY

"I have the new Solar 2¼x3¼ and must say I am delighted with its performance."

"Since I purchased the Model 2 Solar, my enlargements show a 100% improvement . . . many have been accepted by my camera club."

"Easiest to operate . . . has coolest lamphouse. Made 480, 8x10 enlargements in 2½ days and she was running for hours at a time."

"In my opinion there is no enlarger on the market that can equal Solar quality at its moderate price."

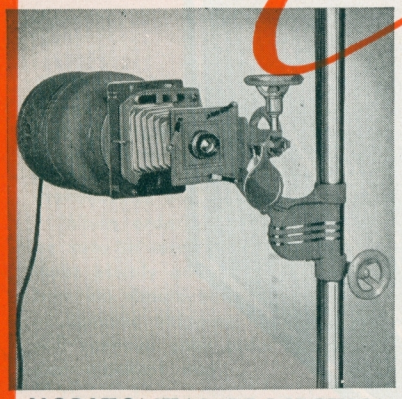
"The fact that it can be used for so many purposes more than doubles its value."

"You have made it one of the most outstanding precision enlargers seen."

SOLAR FOR PERFECT PRINTS

SOLAR TRADE MARK

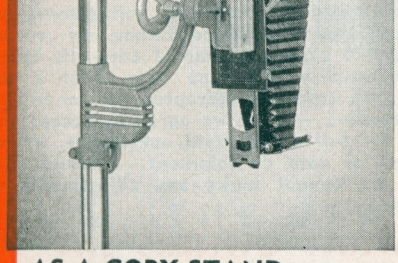
Enlargers



HORIZONTAL PROJECTION



INTERCHANGEABLE LENSES



AS A COPY STAND

FOR "PRIZE WINNING" PRINTS

★ Solar Miniature Enlarger Models 1, 2 and 3 have been designed for the professional operator and the advanced amateur who demands professional quality in projection prints. Solar's perfected light and optical system can be depended upon to bring out the full pictorial quality of every negative. The simplicity of its design makes successful enlarging as easy as contact printing . . . and it places in every amateur's reach the added pleasure and satisfaction of transforming their small miniature negatives into big pictorial "prize winning" prints.

ADJUSTABLE CONDENSER LIGHT SYSTEM

★ The first and most important requirement for successful enlarging is an efficient light and optical system. The light spread on the easel or baseboard must be of sufficient intensity to assure a brilliant image and minimum exposure time—and even more important—the light must be of uniform intensity over the entire negative area to assure faithful reproduction of the negative tone scale. To meet these requirements, Solar Miniature Model 1, 2 and 3 Enlargers are equipped with an adjustable double condenser light system that assures ample light intensity plus a uniform spread of the light on the baseboard. A condenser system of this specially adjustable type costs more of course, but the results it produces, more than justify the expense.

EXTRA FEATURES OF THE SOLAR

★ A Solar enlarger will quickly prove to be your most valuable piece of darkroom equipment. Its many adjustments adapt it to a wider range of work. The enlarger head may be instantly adjusted for vertical or horizontal projection—or it may be swung around to project directly to the floor—permitting you to make prints of photo mural dimensions. Correction of, or the deliberate introduction of distortion is possible by adjusting the enlarger head off center to any desired degree. The brilliant projected image coupled with Solar's simplified rack and pinion focusing system assures critically sharp focusing—and prints that retain the full definition of the negative.

CONVERSION TO A CAMERA

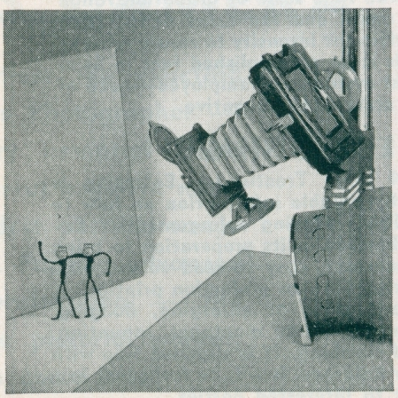
★ A special Solar Camera Back is available as an accessory for instantly converting the Enlarger into a plate or cut film camera with ground glass focusing back. In conjunction with the Solar stand, it is ideal for making copy negatives of all types. Removed from the Solar stand and mounted on a tripod, it becomes a versatile camera, ideal for portraiture, table top work, etc. Use it also with a microscope for interesting micrographic pictures. Lenses may be instantly interchanged and short focal lengths may be employed for securing actual or larger than actual size pictures of insects and other small subjects.

DUSTLESS NEGATIVE CARRIERS

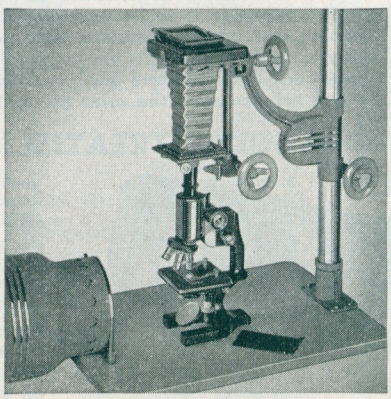
★ Solar Dustless Negative Carriers assure freedom from dust spots on prints. The negative is suspended between highly polished chrome metal plates—which hold the negative perfectly flat while masking the actual negative area. There is no loss or dispersion of light caused by reflection from glass surface.—and no glass surfaces to attract dust or dirt to mar or ruin your negative.



AS A CAMERA



FOR TABLE TOP WORK

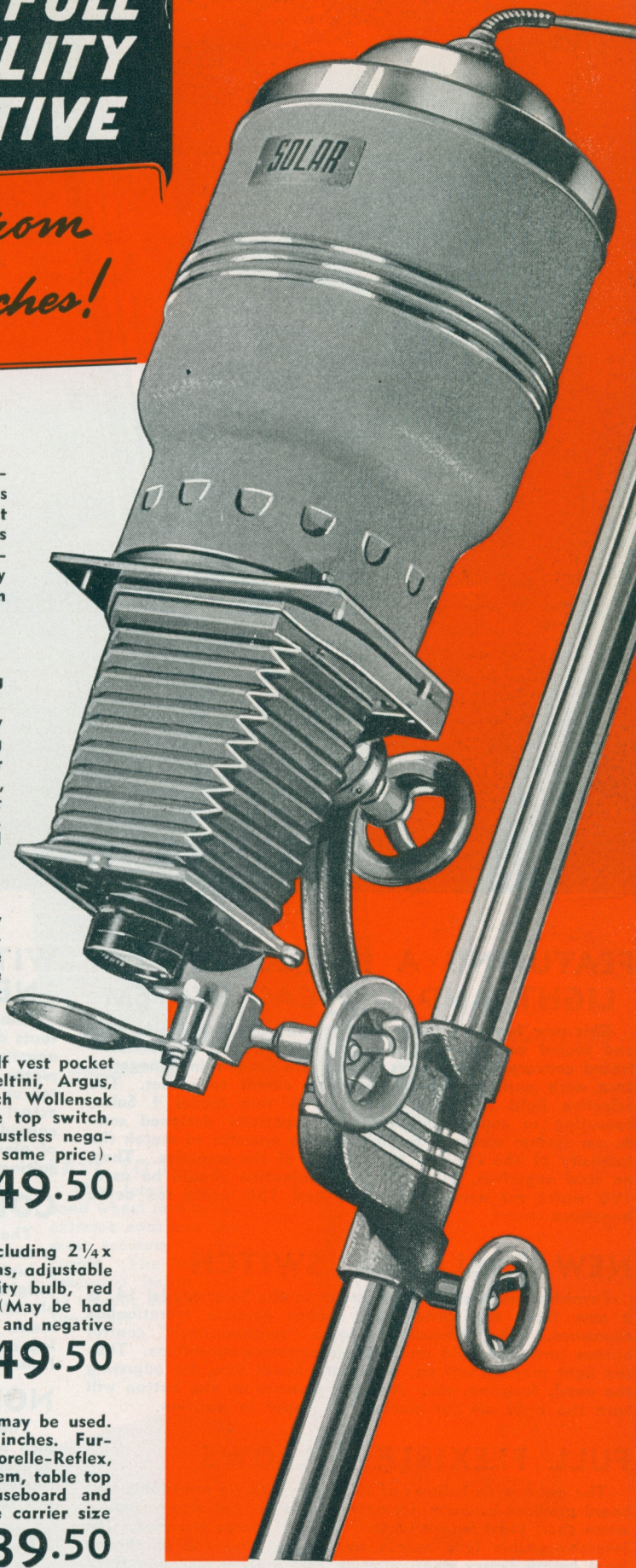


WITH A MICROSCOPE

Solar sets the pace for Value

BRING OUT THE FULL PICTORIAL QUALITY OF EVERY NEGATIVE

for negatives from 35 mm to 2¼x3¼ inches!



PRECISION FOCUSING

The Solar focusing system provides for micromatic accuracy in focusing. A large plastic handwheel operates the rack and pinion with its all metal track and key seat alignment channel. The lensboard supporting bearing is extra large and long to distribute the weight of the lensboards and bellows assembly over a wide area—securely holding the lens in the optical plane of the light system and effectively preventing backlash or side swing.

RIGID UNIT CONSTRUCTION

The Solar Enlarger with its lamphouse, supporting arm, upright standard and extra large red (non-actinic) baseboard are assembled as one integral unit, perfectly counter-balanced to assure from vibration — yet offering maximum flexibility in adjustment. The built-in counter balance permits instant adjustment of the enlarger head, up or down, on the standard with a minimum of effort — and it may be securely locked in any desired position. This positive adjustment feature makes the Solar ideal for work with color separation negatives.

EASY OPERATION

All operating controls on the Solar are conveniently placed for ease in manipulation. Working parts are accurately machined and fitted to assure a lifetime of trouble free service. You can depend on a Solar to bring out the finest details of your negative—to give you prints that you can proudly display as your own.

SOLAR MODEL 1

For all single or double frame 35mm., Bantam and half vest pocket negatives, including Leica, Contax, Robot, Welti, Weltini, Argus, Perfex, Goldi, Foth Derby, etc. Complete with 2 inch Wollensak F:4.5 Enlarging lens, adjustable condenser system, table top switch, triple intensity bulb, red (non-actinic) baseboard and dustless negative carrier. (May be had with 3 or 3½ inch lens at same price). State size lens and negative carrier when ordering.

Order By Number 501R

PRICE EACH $49.50

SOLAR MODEL 2

Accommodates all roll or cut film sizes up to and including 2¼x3¼". Complete with 3½" F:4.5 Wollensak Enlarging lens, adjustable condenser system, table top switch with triple intensity bulb, red (non-actinic) baseboard and dustless negative carrier. (May be had with 2 or 3 inch lens at same price.) State size of lens and negative carrier when ordering.

Order By Number 502R

PRICE EACH $49.50

SOLAR MODEL 3

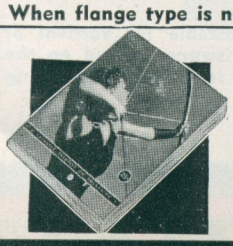
Furnished without lens. Lenses of 2" or longer focus may be used. Accommodates negatives up to and including 2¼x3¼ inches. Furnished with lens flange for either Leica, V.P. Exakta, Korelle-Reflex, etc. lenses. Equipment includes adjustable condenser system, table top switch with triple intensity bulb, red (non-actinic) baseboard and dustless negative carrier. State lens flange and negative carrier size when ordering.

Order By Number 503R

PRICE EACH $39.50

When flange type is not specified a 4x4 inch lens board is furnished.

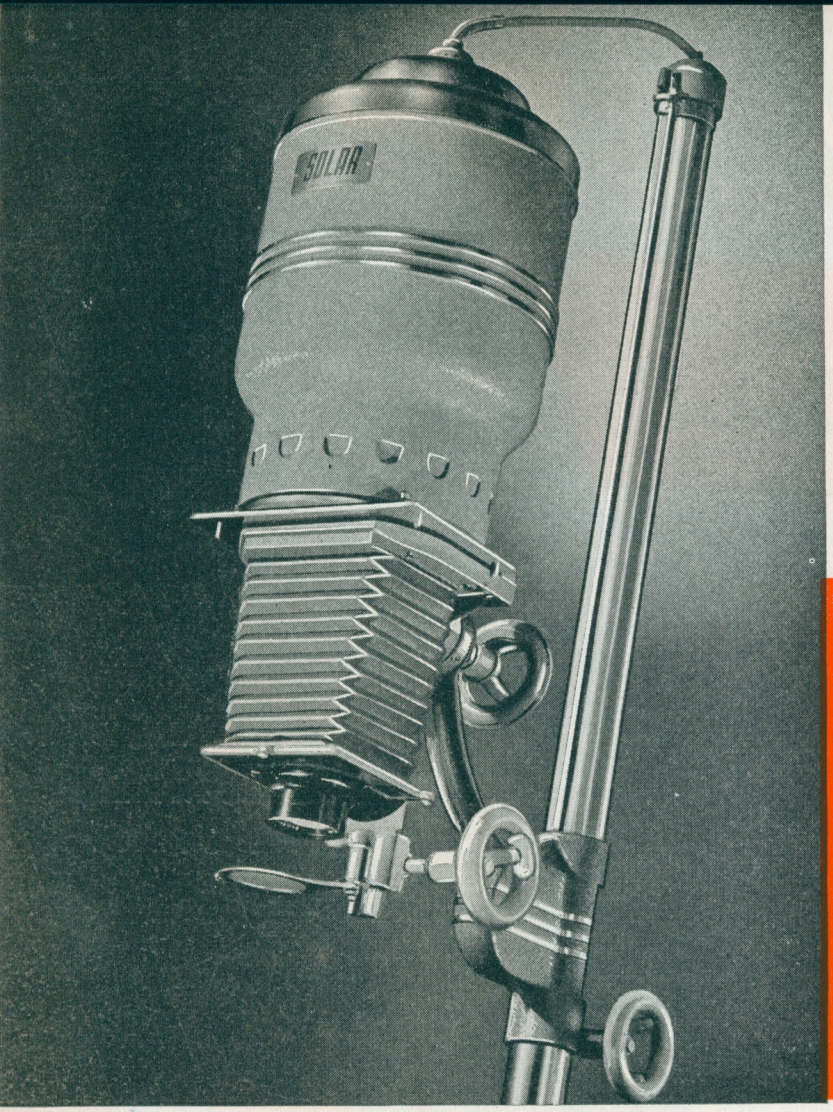
PATENTS PENDING MADE IN U. S. A.



VALUABLE TREATISE ON ENLARGING

Experts on enlarging collaborated in the preparation of this big 44 page book that covers the subject of enlarging from A to Z. Profusely illustrated and loaded with valuable information on developing, dodging, double printing, vignetting, photo montages, finishing, mounting, toning, etc. Written in clear, easy-to-understand language with illustrations that carry you through every stage of enlarging. Every amateur who strives for perfection in projection printing should have a copy. It is included free with every Solar Enlarger. Requests will be honored from interested parties for individual copies at no charge.

Efficiency and Economy!



The New

FOR ALL DOUBLE

THE IDEAL ENLARGER

Let any expert write the specifications for the ideal 3¼x4¼ inch enlarger — and then see for yourself how this modernly designed unit fits that pattern. Exclusive patented features found only on the Solar contribute to its ability to give you the best from every negative. This new Model 4 Solar is provided with every essential feature and adjustment to cover the widest possible range of negative sizes — and with lenses of proper focal length, reductions may be made as well as enlargements. Solar's perfected light and optical system can be depended upon to bring out the full pictorial quality of every negative — while the simplicity of its design makes successful enlarging as easy as contact printing.

FEATURING A PERFECTED LIGHT AND OPTICAL SYSTEM

This new Model 4 Solar Enlarger employs two pre-focused and sealed condensing lenses so arranged that the concentrated converging light rays flood the 3¼x4¼ inch negative area with uniform illumination from corner to corner. The selective light intensity possible with this Model 4 Solar, operating in conjunction with this specially designed condenser system makes it possible for the operator to match the intensity of the light to the density of the negative. Thus, on thin negatives, 50 watts of illumination should be used, 100 watts for normal negatives and 150 watts for dense negatives.

NEW TABLE TOP SWITCH

Furnished as standard equipment on the Solar Model 14, is a new table top switch that makes possible vibrationless exposures. The manually operated "feather-touch" control button turns the light on or off in separate operations. Thus the light may be left on, with both hands free, for adjusting the easel, focusing, etc. A slight pressure on the button will turn the light off for placing the paper in position.

FULL FLEXIBLE BELLOWS

The extra wide bellows of the Solar with its removable lens board provides capacity not only to enlarge, but also to reduce when short focal length (2 to 3½ inch) lenses are used. The interchangeable lens boards also permit the use of shorter focal length lenses when working with smaller size negatives. This feature will be appreciated by those amateurs who operate both a miniature as well as a 3¼x4¼ inch camera. This also makes the Model 4 Solar an ideal unit for use in photo finishing plants, where orders for enlargements are secured from a wide range of negative sizes.

WITH SOLAR DUSTLESS NEGATIVE CARRIER

Solar Enlargements are noticeably free from dust and dirt spots due to the use of a dustless type negative carrier. The negative is suspended between highly polished chrome metal plates — which hold the negative perfectly flat — without top or bottom covering of any kind — while masking off the actual negative area. There is no loss or dispersion of light caused by reflection from glass surfaces — and the absence of glass surfaces assures freedom from dust and dirt — resulting in prints that are free from dust spots.

COUNTER-BALANCED HEAD

The adjustment of the Enlarger head on the upright column is accomplished with almost effortless ease, due to the use of a high tension, counter-balancing spring which offsets the weight of the enlarger head. The upright column is chrome plated to provide a smooth rust-proof surface for this adjustment. The complete enlarger forms one integral unit, including enlarger head, column and baseboard, to assure freedom from vibration.

NON-ACTINIC RED BASEBOARD

The Solar Model 4 Enlarger is fitted with a large 18x24 inch baseboard, finished in a new non-actinic red color that appears almost white under the darkroom safeligt. The reflected light from this board is photographically safe and will not fog the enlarging paper.

HORIZONTAL OR VERTICAL PROJECTION . . .

The Model 4 Solar is instantly adjustable for vertical or horizontal projection — or it may be swung around on the column to project directly to the floor. It is ideal for making extra large prints, photo murals, etc.

BRINGS OUT THE QUAL

SOLAR TRADE MARK

MODEL 4

3¼ x 4¼ in. NEGATIVES

CONDENSER SYSTEM



TRIPLE INTENSITY LAMP

A sensational and revolutionary advance in enlarger design is Solar's new selective lighting system. It enables you to control the light intensity in the enlarger to secure proper contrast and gradation control in the finished print. It enables the operator to control the intensity of the light to match the density of the negative. This control is accomplished, not by a rheostat to cut the voltage, (as that would affect the color of the light) but by a double filament bulb and a triple contact key socket that provides 50,100 or 150 watt illumination, with the filament operating at proper temperature to assure a white light of the proper quality. Standard enlarging bulbs will also fit these sockets for single intensity light.

COUNTER-BALANCED ASSEMBLY

•

WITH NEW 3-WAY SOCKET SWITCH

•

Patents Pending

•

SOLAR MODEL 4L345 Fitted with 3½" F:4.5 Wollensak Enlarging lens. Red baseboard 18x24 inches, dustless 3¼x4¼ inch negative carrier, triple intensity light and button table top switch.

PRICE EACH **$57.50**

Order by No. 701R

SOLAR MODEL 4L563 Fitted with 5" F:6.3 Wollensak Enlarging lens. Red baseboard 18x24 inches, dustless 3¼x4¼ inch negative carrier. Triple intensity light and button table top switch.

PRICE EACH **$64.50**

Order by No. 702R

SOLAR MODEL 4L545 Fitted with 5" F:4.5 Wollensak Enlarging lens. Complete with 18x24 inch red baseboard, 3¼x4¼ inch dustless negative carrier, triple intensity light and button table top switch.

PRICE EACH **$69.50**

Order by No. 703R

EASY TO FOCUS

This large plastic hand wheel makes for extreme ease and utmost accuracy in focusing. The brilliant projected image may be visually studied for sharpness.

COUNTER-BALANCED

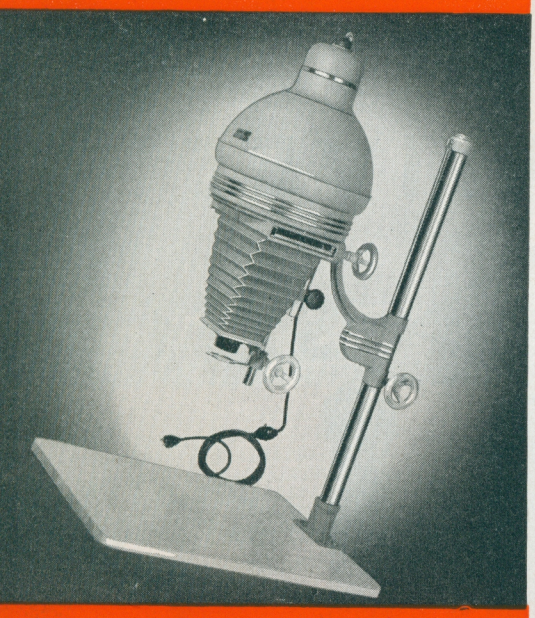
Only one hand is required to raise or lower the Enlarger head. A special high tension spring provides a perfect counter-balance.

TY OF YOUR NEGATIVE

SOLAR

TRADE MARK

9x12cm.–4x5 In. and 5x7 Inch



FOR 'QUALITY' PRINTS

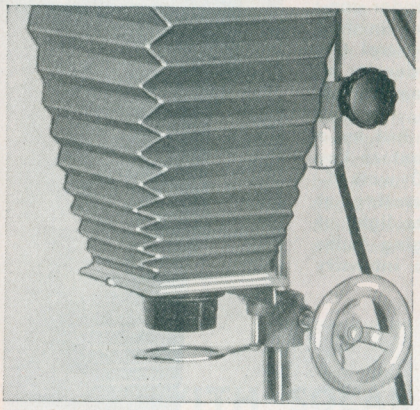
Solar Studio Enlargers are the design of practical photographers—men who know the problems encountered in good projection printing and how to solve them. The professional worker and studio operator who are called upon for projection prints from all types of negatives will be quick to appreciate the flexibility and the adaptability of these Solar Studio Enlargers. They bring to the larger negative field the same fine precision—the extra flexibility and the wide adjustability of the modern precision miniature. They feature a perfected bi-plane diffusion light system that brings out in full value the complete tone scale of the negative, resulting in prints of full contrast and sharp detail.

ALL ESSENTIAL ADJUSTMENTS

Solar Studio Enlargers incorporate every essential adjustment for ease in operation and for instant adaptability to all types of projection printing. They have the capacity not only to enlarge, but also to reduce. The enlarger head is arranged to swivel on its heavy supporting arm, permitting vertical or horizontal projection . . . and it may be swung around on the column to project directly to the floor. Enlargements of practically any size can be made. All movable parts operate on oversize bearings, with automatic take-up to compensate for wear. Adjustments once made, remain constant.

DOUBLE EXTENSION BELLOWS

Solar Studio Enlargers are fitted with double adjustable bellows. They are so mounted that they may be telescoped to permit work with a lens of only 2½ inch focal length and when fully extended, they provide an overall span of 13 inches, allowing for the use of lenses up to 8¼ inch focus. Thus, the studio operator and commercial finishing plant find in these Solar Studio Enlarger the versatility required in handling a wide range of negative sizes, plus the ability to make enlargements of any practical size.

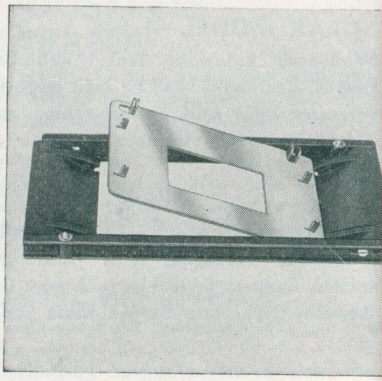


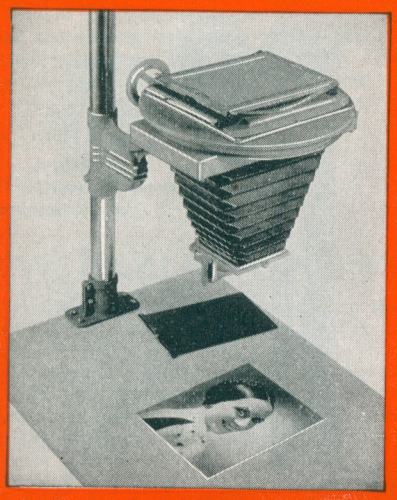
EASY TO FOCUS

Solar Studio Enlargers feature a rack and pinion focusing system that is both simple and positive in operation. Rotation of the large plastic focusing hand wheel raises or lowers the lens standard to bring the image into critically sharp focus. The focusing adjustment operates with a friction drag or resistance that enables you to bring it to any desired position, where it will remain constant. The brilliance of the projected image on the baseboard simplifies focusing, enabling you to visually examine the degree of definition being secured.

THE NEW SOLAR NEGATIVE CARRIER

Solar Studio Enlargers are fitted with dustless type negative carriers, requiring no covering of any kind An all metal cradle supports the negative carrier in the true optical center of the enlarger. Friction snap buttons hold the cradle securely in place . . . It will not fall out when the enlarger head is in a horizontal position. The dustless negative carriers are available in all standard film sizes up to 4x5 inches. A regular glass sandich pack is employed for 5x7 inch negatives.





SOLAR CAMERA BACK

This special camera back is available as an accessory for use on Solar Studio Enlargers. Removal of the lamphousing and diffusion assembly permits the camera back to be snapped into position converting the enlarger for use as a camera in making copy negatives, etc. The camera back is fitted with a ground glass focusing panel and accommodates standard film or plate holders. Available in 3¼x4¼, 4x5 or 5x7 inch sizes, please specify.

Order by No. 801R $13.50

SOLAR 4x5 - 5x7 SPECIFICATIONS

	4x5 SOLAR	5x7 SOLAR
Greatest Height—Negative to easel	48 inches	48 inches
Height of Standard	42 inches	42 inches
Height Overall	61 inches	61 inches
Diameter of Reflector	11½ inches	11½ inches
Will Accommodate Lenses from	2½ inch to 8¼ inch	2½ inch to 8¼ inch
Bellows Extension	13 inches	13 inches
Baseboard	20x27 inches	20x27 inches
Weight, Packed for Shipment	55 pounds	55 pounds
Maximum Enlargement on Board	With 5 inch Lens 18¼x23½ inches	With 7 inch Lens 22½x31½ inches

All Solar Enlargers (except HDC) are now made to accomodate the 2½x2½ lens boards from the Miniature Speed Graphic cameras and the 4x4 boards, the 4x5 B & J and Watson Press cameras and the 4x5 Speed Graphic.

Lensboard (2¼x3¼ Speed Graphic size) ..... $ .75

Lensboard (4x5 inch size) ..... .75

Lensboard Adapter (To Fit 3¼x4¼ Speed Graphic Lensboards) .. 1.35

Specify Number 802R

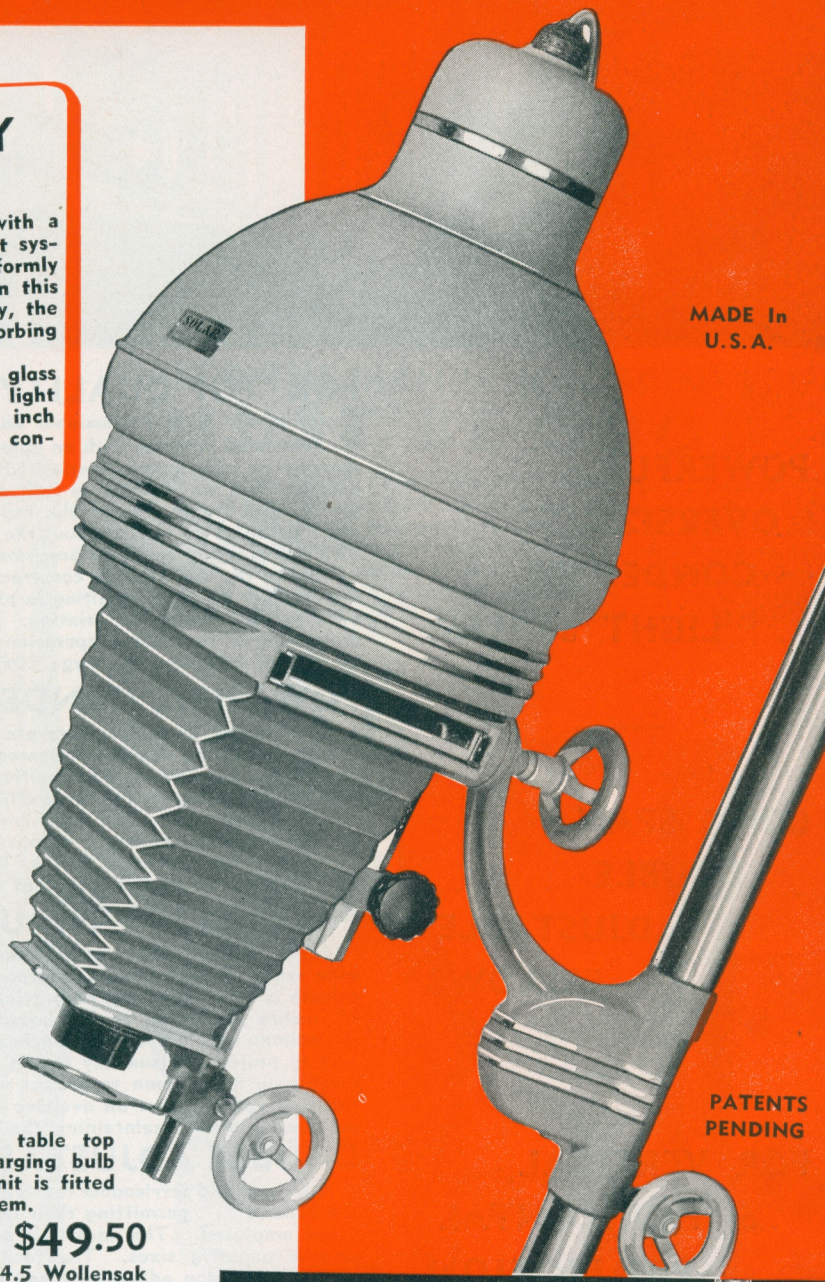
Designed for the man

STUDIO ENLARGERS

HIGH EFFICIENCY LIGHT SYSTEM

Solar Studio Enlargers are equipped with a specially designed bi-plane diffusion light system that produces a powerful, yet uniformly distributed light spread on the easel. In this factory sealed bi-plane diffusion assembly, the top plane consists of a special heat absorbing glass.

The lower plane consists of an opal glass that provides perfect dispersion of the light rays just above the negative. The 4x5 inch enlarger is also available with a built-in condenser light system as listed below.



MADE In U.S.A.

PATENTS PENDING

INTERCHANGEABLE LENS BOARD

Interchangeable lens boards permit the instant interchange of lenses of different focal lengths. This feature along with the double adjustable bellows, adapts these Solar Enlargers for a wide range of negative sizes and gives them capacity not only to enlarge but also, when short focal length lenses are used, to make reductions.

WITH NEW TABLE TOP TYPE EXPOSURE SWITCH

Furnished as standard equipment with Solar Studio Enlargers is a new table top switch that provides for vibrationless exposures. The manually operated "feather touch" control button turns the light on or off in separate operations. This frees both hands for use in adjusting the easel, focusing, etc. Solar Models 45C and 45CL are furnished with a silent safety mercury control foot switch.

MODEL 45 — 4x5 INCH

Complete Solar Enlarger as described with table top switch, complete with attachment cords, enlarging bulb and 4x5 inch dustless negative carrier. This unit is fitted with a bi-plane diffusion type illumination system.

LESS LENS

Order by Number 901R $49.50

Same as above but fitted with a 6½ inch F:4.5 Wollensak lens.

Order by Number 902R $84.50

MODEL 45C — CONDENSER TYPE

Complete Solar Enlarger with silent, mercury contact foot switch, enlarging bulb and standard 4x5 inch dustless negative carrier. This unit employs two fixed focus condensing lenses in its illumination system. (For faster contrasty work.)

Less Lens. Order by Number 903R $72.50

MODEL 45CL63 SPECIAL

Same as above but fitted with 6½ inch F:6.3 Wollensak Enlarging lens.

Order by Number 904R $92.50

MODEL 45CL45 SPECIAL

Same as above but fitted with a 6½ inch F:4.5 Wollensak lens.

Order by Number 905R $107.50

MODEL 57 — 5x7 INCH

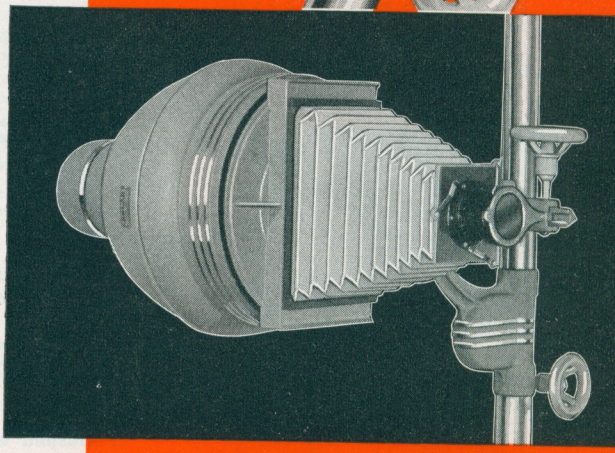
Complete Solar Enlarger with table top switch, enlarging bulb and 5x7 inch sandwich type glass negative carrier. This unit is fitted with a bi-plane diffusion type illumination system.

Less Lens. Order by Number 906R $52.50

Same as above but with 7½" F:4.5 Wollensak lens.

Order by Number 907R $97.50

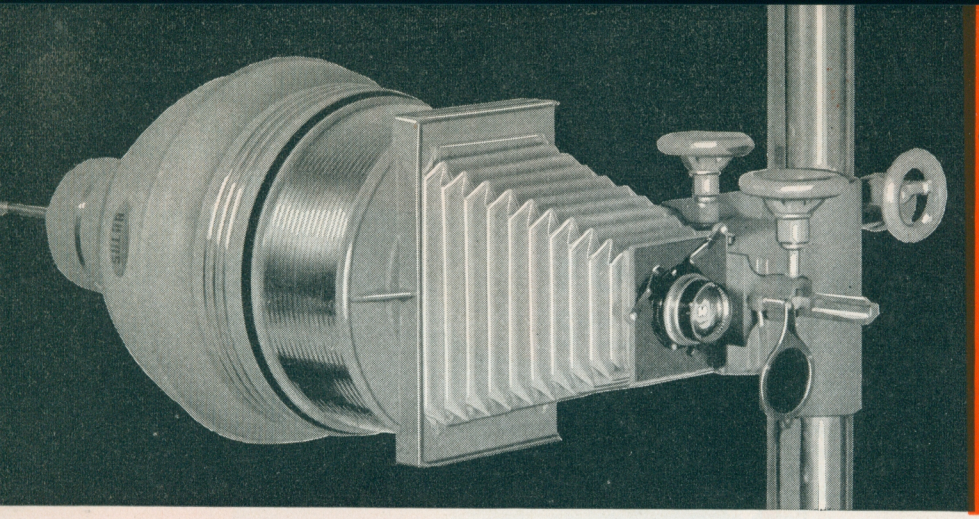
These Solar Enlargers are now supplied with the new (non-actinic) red colored baseboards. Standard Solar accessories designed for use with these Enlargers will be found listed on pages 12 and 13.



VERTICAL OR HORIZONTAL PROJECTION

Solar Studio Enlargers are fitted with a swivel adjustment on the supporting arm that permits their adjustment from vertical to horizontal position. When making photo-murals and large size prints, the image may be projected to the wall. An off-center adjustment may be used for correcting distortion, etc.

whose prints "must be good"



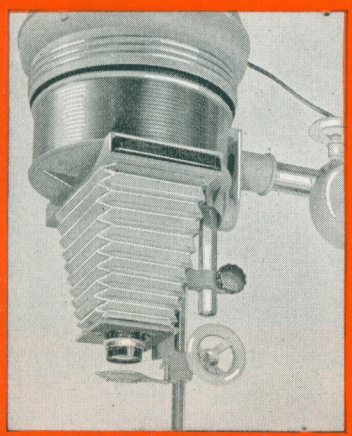
The new

FOR 9x12cm 4x5 and 5x7 NEGATIVES

POWERFUL OVERSIZE CONDENSER LIGHT SYSTEM

LONG SPAN DOUBLE ADJUSTABLE BELLOWS

FOR VERTICAL or HORIZONTAL PROJECTION



Notice in the illustration above the rugged design and substantial construction of the Solar. The large hand wheels permit extra fine control in securing critical adjustments. The sliding clamps that controls bellows extension, is entirely independent of the rack and pinion focusing system. All operating controls are placed to provide the utmost convenience to the operator.

FOR 'TOP QUALITY' PRINTS

Solar Heavy Duty Professional Enlargers have been designed to provide the professional operator with an enlarger of outstanding merit. No expense has been spared—no refinements overlooked to produce a thoroughly dependable heavy duty enlarger that would meet in full measure the varied and exacting demands of the professional studio. From the top of the lamp house to the baseboard, through every detail of its construction, the Solar Heavy Duty Enlarger has been engineered with the exacting care and precision that distinguishes fine apparatus.

Despite the extra heavy construction, dynamic balance is maintained throughout the enlarger assembly resulting in practical freedom from vibration and its attendant evils to good projection printing. Ample ventilation is provided for full negative protection in continuous operation. The entire enlarger assembly forms one integral unit including the large 20x30 inch baseboard.

POWERFUL CONDENSER LIGHT SYSTEM

Solar Heavy Duty Enlargers are fitted with a highly efficient light and optical system employing double condensers to aassure a uniform, evenly spread illumination on the baseboard. The position of the bulb in relation to the condensers is adjustable, providing for the same efficiency in light transmission regardless of the size negative employed. The focal length of the condensers and their position in the optical assembly results in a converging light cone that covers the negative area uniformly from corner to corner. This straight line light beam passes through the true rendition of the tone scale of the negative.

FLEXIBILITY THRU ADJUSTABILITY

Remarkable flexibility is provided in the Solar Heavy Duty Enlarger through the wide range of adjustments incorporated in its design. The heavy chrome upright column is 48 inches long, permitting elevation of the lamphouse to project an image 40 inches from lens to baseboard. The Enlarger head is adjustable to or from the column over a span of 8 inches—and in addition it may be rotated on its support to project horizontally to the wall for photo murals, etc. . . . it may also be rotated on the column to project vertically to the floor. All-metal rack and pinion focusing operating on an oversize alignment bearing, provides for the utmost ease in focusing while maintaining the lens, in the optical center of the light system.

DOUBLE ADJUSTABLE BELLOWS

A unique and serviceable feature is the double extension arrangement provided on the bellows . . . permitting their instant adjustment to the focal length of the lens being employed. This makes it possible to use the enlarger for a wide range of smaller negative sizes. The focusing adjustment operates independently of the bellows extension adjustment and the brilliance of the projected image (regardless of negative size) makes it a simple matter to secure critical focus.

DUSTLESS NEGATIVE CARRIERS

The negative carrier consists of an all metal cradle with friction snaps to securely hold it in proper position in the enlarger head—it will not fall out when projecting horizontally. For all sizes of negatives up to 4x5 inches, Solar dustless, negative carriers fit into the cradle to hold the film flat in the optical center of the system. On 5x7 inch negatives, the glass sandwich pack is employed. Dustless negative carriers of smaller sizes may also be used.

MODEL 45 HDC for 4x5 INCH NEGATIVES

Complete unit as illustrated fitted with two condensing lenses, silent mercury contact foot switch, bulb, cord and plug. Less lens.

Order by Number 1001R

PRICE EACH, ... $96.50

MODEL 45 HDCL63

Furnished with 6½ inch F:6.3 Wollensak Enlarging Velostigmat lens in barrel mount with iris diaphragm, two large condensing lenses, silent mercury contact foot switch, enlarging bulb, large baseboard, cord and plug. Order by Number 1002R. PRICE EACH $116.50

MODEL 45 HDCL45

Same as above, but fitted with a 6½ inch, F:4.5 Imported Anastigmat lens, two large condensing lenses, silent mercury contact foot switch, large base board, bulb, cord and plug. $136.50

Order by Number 1003R

MODEL 57 HDC 5x7 In.

Complete enlarger as illustrated on opposite page, fitted with two oversize condensers, silent mercury contact foot switch, large baseboard, bulb, cord and plug. Less lens.

Order No. 1004R. Ea. . $124.50

Same as above but fitted with a 7½ inch F:4.5 Wollensak lens. No. 1005R.....$169.50

TOPS FOR HEAVY DUTY

TRADE MARK SOLAR *heavy duty*

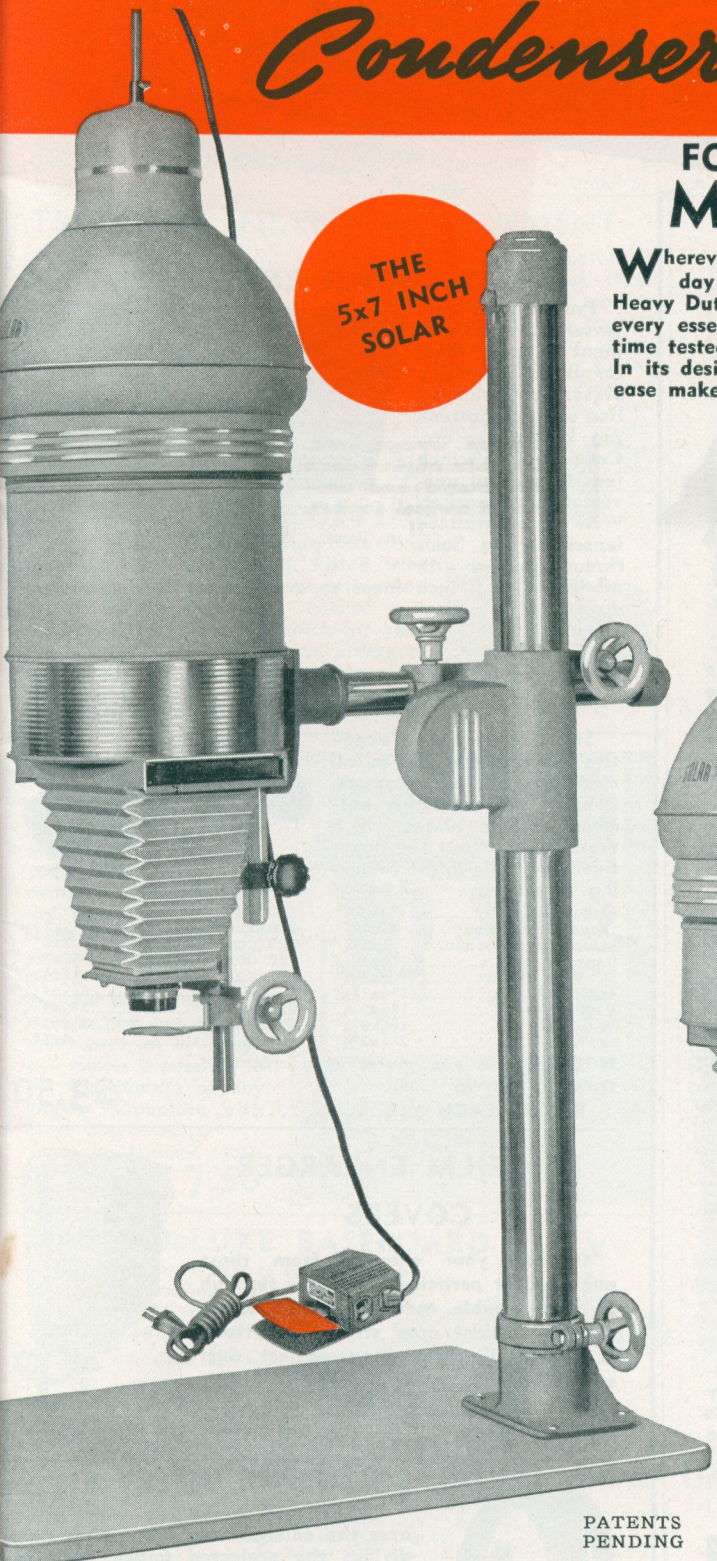
PROFESSIONAL ENLARGERS

Condenser light system

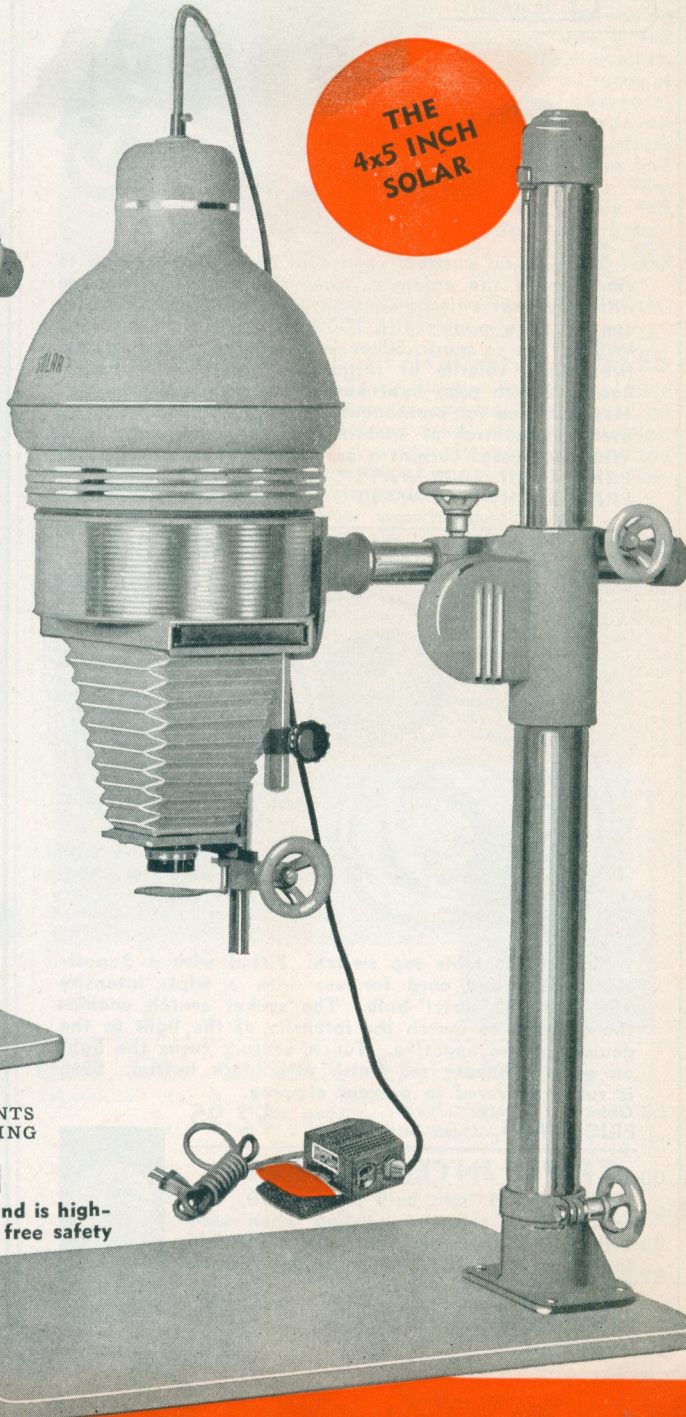
FOR THE MAN WHOSE PRINTS MUST BE GOOD

Wherever top quality "Prize Winning" Prints must be produced day in and day out, from a wide range of negatives, the Solar Heavy Duty Professional Enlarger is recommended. It is fitted with every essential adjustment and with a light and optical system of time tested and proven design to assure work of the highest order. In its design and construction added refinements and manipulating ease make it the choice of the man whose prints "must be good".

THE 5x7 INCH SOLAR



THE 4x5 INCH SOLAR



PATENTS PENDING

THREE INCH CHROME COLUMN

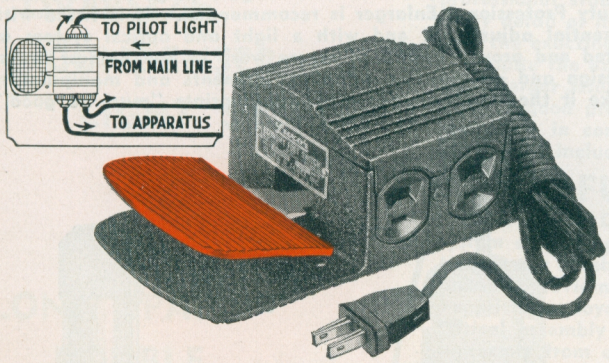
The large upright column is 48" long by 3" in diameter and is highly chrome plated. This large column provides a vibration free safety factor in excess of normal requirements. A built-in counter-balance off-sets weight displacement and provides for an easy sliding action.

SERVICE

ACCESSORIES for BETTER PRINTS from YOUR TRADE MARK SOLAR DESIGNED

Grouped together on these two pages are accessories designed for use with Solar Enlargers. Many of them are suitable for use with any enlargers while others are designed expressly for use with a Solar. In these Solar accessories you will find the same excellent design and construction characteristic of the entire line of Solar Enlargers. Solar accessories add immeasurably to the convenience and pleasure you will derive in producing the finest prints.

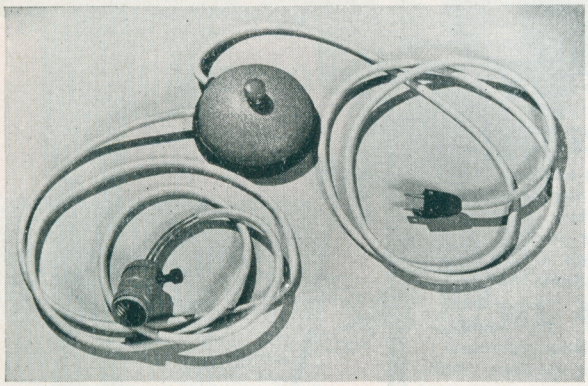
LUXOR "MERCURY" FOOT SWITCH



There is no possible chance of spoiled prints due to vibration in the enlarger, when the exposure is made with this foot switch. Employs a liquid double mercury contact. Two models with 1000 and 1500 watt capacity. Will not arc or spark. Silent in operation. Proof against fire where volatile or inflamable gasses are present. Equipped with pilot light outlet and extra power outlet. Has provision for permanent fastening to floor. Can be used for control of motors, starting equipment, etc. When depressed current is on—shuts off when released.

PRICE EACH, 1000 WATT $4.95
PRICE EACH, 1500 WATT 6.45
Specify Number 1201R when ordering

LUXOR TABLE TOP SWITCH



Convenient table top switch. Fitted with a 3 position socket and cord for use with a triple intensity (50-100-150 watt) bulb. The socket switch enables the operator to match the intensity of the light to the density of the negative. Touch contact turns the light on or off. Silvery red finish with black button. Base is rubber covered to prevent slipping.

Order by Number 1202R
PRICE EACH, (less bulb) $2.95

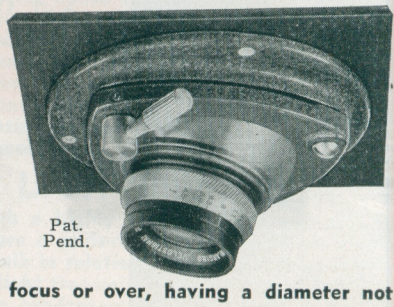
TRIPLE INTENSITY BULB

New type 3 light bulb provides 50, 100 or 150 watt selective lighting when used with a standard 3 position socket. Suitable for all condenser model Solar Enlargers only. For 110-120 volt AC or DC.



Order by Number 1203R
PRICE EACH 50c

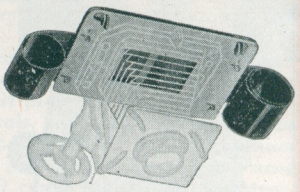
SOLAR SWIVEL LENS MOUNT



Provides for universal swivel adjustment of lens. Ideal for use in correcting distortion, elongation or fore-shortening of image, etc. Consists of 4x4 inch lens board and universal swivel socket. Will accommodate lenses having Solar threads. For use with all lenses of 3 inch focus or over, having a diameter not to exceed 1½ inches.

Order by Number 1204R
PRICE EACH $5.50

SOLAR NEGATIVE CARRIERS



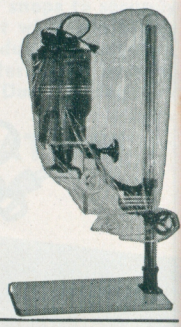
Solar dustless type negative carriers for use in all models of Solar Enlargers. Consists of two highly polished chrome plates which mask and support the negative. Available in the following sizes:

Robot	1x1"	National Graflex	2¼x2½"
Single frame 35mm.	¾x1"	6x9 cm. Cut Film	2x3"
Double frame 35mm.	1x1½"	120 Roll Film	2¼x3¼"
Bantam	1⅛x1⅜"	116	2½x4¼"
½ Vest Pocket	1⅜x1⅜"	3¼x4¼	3¼x4¼"
4x4 cm.	1⅝x1⅝"	9x12 cm.	3½x4¾"
Vest Pocket	1⅝x2½"	Post Card	3¼x5½"
½ of 120	1⅝x2¼"	4x5	4x5"
6x6 cm.	2¼x2¼"		

NOTE—Specify size wanted when ordering.

Order by Number 1205R
PRICE, EACH $3.50

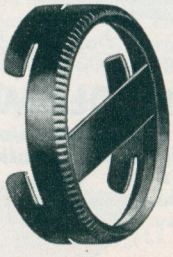
PLIOFILM ENLARGER COVERS



Protects your enlarger from those minute dust particles that filter through to cause trouble. Measures 23x35 inches with convenient draw string at bottom. A worthwhile precaution against dust spots in prints.

Order by Number 1206R
PRICE, EACH $1.25

SOLAR FOCUSING AID

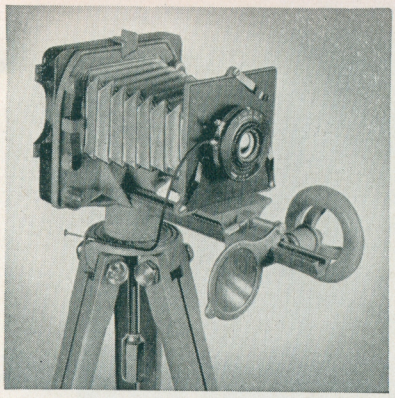


Consists of metal cap which slips over the enlarger lens. A center strip divides the projected image, showing two overlapping images on the baseboard when the lens is out of focus. When the two images blend into one, you have perfect focus. Available to fit lenses having a diameter of 22, 24, 28, 30, 32, 37, 38, 39, 42 and 51mm.

Specify size,
Order by Number 1207R 40c

Use these Solar Accessories

FOR USE WITH A SOLAR..



SOLAR CAMERA BACK
FOR MODELS 1, 2, 3, and 4

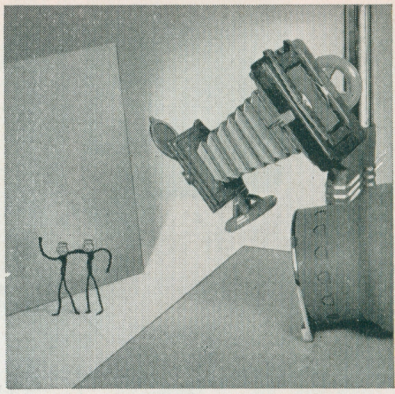
This special camera back provides for the instant conversion of any model 1, 2, 3, or 4 Solar into a short focus copying, view or portrait camera, for producing 2¼x3¼ inch negatives. Removing the lamp housing and clamping the camera back in place completes the conversion. Has ground glass focusing panel. Accommodates standard 2¼x3¼" film holders. For Solars having horizontal tilt adjustment only.

PRICE, EACH..... $9.00

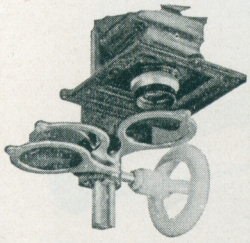
2¼x3¼ inch Ingento Film Holders—For above EACH.....$2.50

2¼x3¼ inch Ingento Film Pack Adapter, EACH.....$3.00

Order by Number 1301R



TRI-COLOR FILTER ATTACHMENT



Tri-color Filter Set for use on all Solar Enlargers. Consists of three gelatin filters in swivel mounts that interchange with the regular Solar Ruby safety filter. Consists of red, blue and green Kodachrome series filters for all types of color separation work. A real convenience for making color prints.

Order by No. 1302R

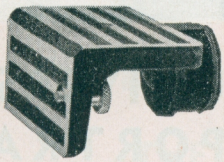
PRICE, EACH..... $4.50

THE SOLAR COPYING BRACKET

Mounts on Solar supporting arm when enlarger head is removed. Fitted with standard tripod screw for mounting any standard type of camera. Makes your Solar Enlarger assembly pinch-hit as a copy stand. Fits all Solar Enlargers equipped with curved supporting arm.

Order by No. 1303R

PRICE, EACH..... $7.50

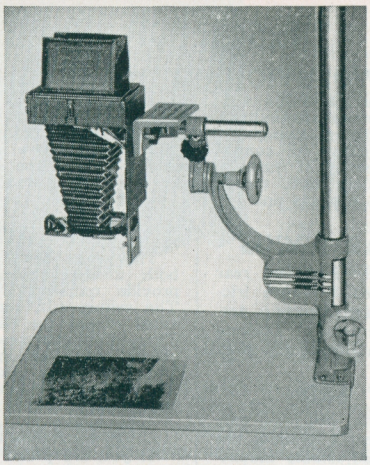


Solar Copying Stand

Provides all necessary adjustments for perfect copy work with any camera having a standard tripod socket. Instant adjustment of camera height from 12 to 42" (approximate). Tubular sliding rod permits in and out adjustment over an 8" range and makes it possible to set the camera at any angle. Complete with large baseboard.

Order by Number 1304R

PRICE, EACH.. $17.50

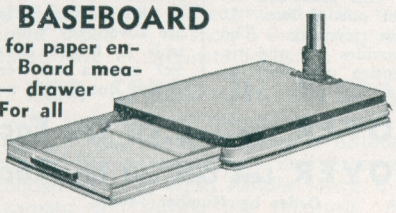


SOLAR DeLUXE BASEBOARD

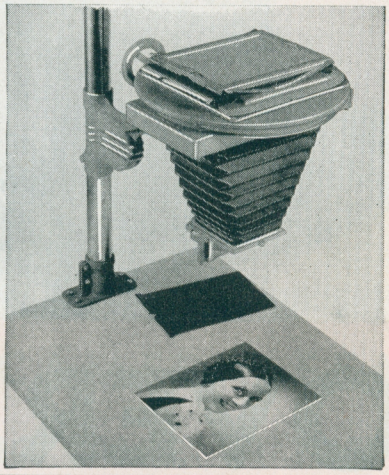
Has light tight drawer for paper enlarging accessories, etc. Board measures 20"x24" overall — drawer measures 16½x20½". For all Solars except HDC models.

Price each $4.95

Order by Number 1305R



SOLAR CAMERA BACK FOR 4x5 - 5x7 SOLAR ENLARGERS

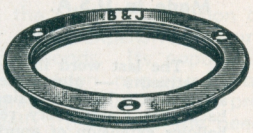


Designed for use on Solar 4x5—5x7" Studio Enlargers. Clamps directly to the enlarger head in place of the lamp housing, converting the unit into a 4x5 or 5x7 inch camera. Ideal for all types of pictorial, portrait, copy and tracing work. Accommodates standard 4x5 or 5x7 inch plate or film holders. Specify 4x5 or 5x7 when ordering.

EACH. $13.50

Order by No. 1306R

LENS FLANGES FOR STANDARD LENSES



These flanges are indispensable where the camera lens is used on enlargers and other accessories. They permit the interchange of the lens from one unit to another. Precision made, finely finished.

Leica Camera	$1.50	No. O Compur Shutter	$1.00
Leica type extension adapter for Wollensak lens	2.00	No. 1 Compur Shutter	1.50
Contax Camera	2.25	No. 1A Regular Compur	1.50
Korelle Reflex	1.50	No. II4 Regular Compur	2.00
Exakta Camera	1.50	No. II5 Regular Compur	2.00
Argus Model C	1.25	No. II6 Regular Compur	2.00
Foth Derby	1.75	No. 0 Ibsor Shutter	1.00
Kine Exakta	2.25	No. 1S Ibsor Shutter	1.50
Perfex	1.50	No. 1A Ibsor Shutter	1.50
Detrola	1.00	Super Pilot	1.50
		Ektra Camera	2.50

Lens board 2½x2½ inch (2¼x3¼ inch Speed Graphic size) $ .75
Lens board 4x4 inch (4x5 Press Camera size) .75
Lens board Adapter (To fit 3¼x4¼ inch Graphic lens boards) 1.35
Mounting Any of Above Flanges to Lens board .....Net .75

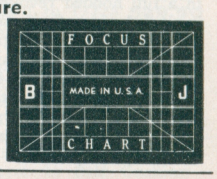
Order by Number 1307R

SOLAR CRITICAL FOCUSING CHART

A critically sharp negative that may be placed in the enlarger to secure sharp focus. It is then replaced by the regular negative for making the exposure.

35mm.	size,	Each	$ .35
2¼x2¼"	size,	Each	.40
2¼x3¼"	size,	Each	.50
3¼x4¼"	size,	Each	.75
9x12 cm.	size,	Each	.75
4x5"	size,	Each	.75
5x7"	size,	Each	1.00

Order by No. 1308R

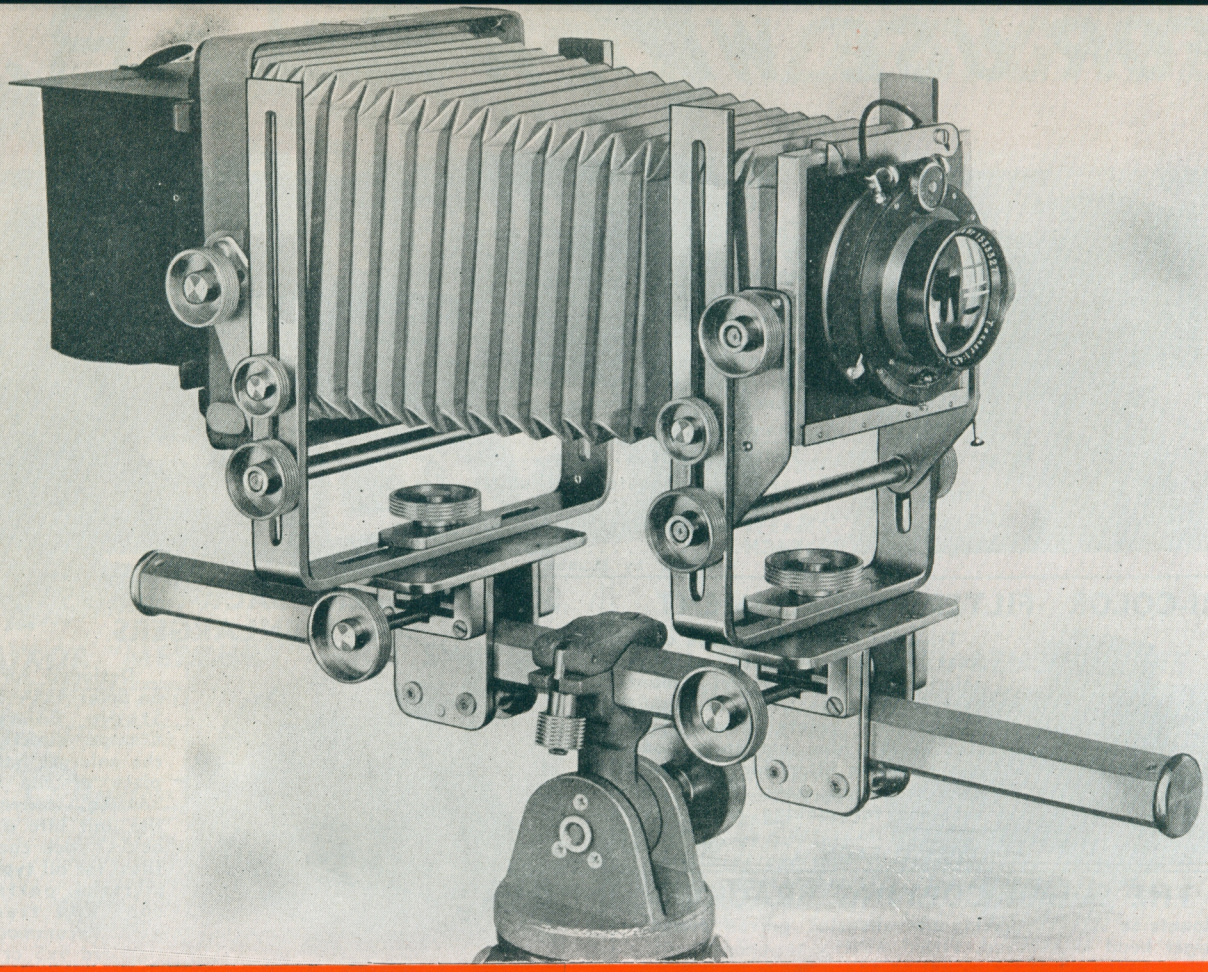


RECOMMENDED LENSES FOR USE ON SOLAR ENLARGERS

35mm.	2 in.	F:4.5 Wollensak Enlarging Lens. In barrel with iris. Each	$12.50
	2 in.	F:4.5 Luxor Anastigmat In barrel with iris, Each	10.50
2¼x2¼ in.	3 in.	F:4.5 Wollensak Enlarging Lens In barrel with iris, Each	15.00
	3 in.	F:4.5 Luxor Anastigmat In barrel with iris, Each	12.50
2¼x3¼ in.	3½ in.	F:4.5 Wollensak Enlarging Lens. In barrel with iris, Each	16.50
	3½ in.	F:6.3 Imported Anastigmat. In barrel with iris, Each	9.50
3¼x4¼ in.	4¼ in.	F:4.5 Wollensak Enlarging Lens. In barrel with iris, Each	21.50
	4⅛ in.	F:6.3 Imported Anastigmat. In barrel with iris, Each	15.50
4x5 in.	5 in.	F:4.5 Wollensak Enlarging Lens. In barrel with iris, Each	25.00
	5¼ in.	F:4.5 Imported Anastigmat. In barrel with iris, Each	22.50
5x7 in.	6½ in.	F:4.5 Wollensak Enlarging Lens. In barrel with iris, Each	40.00
	6½ in.	F:4.5 Imported Anastigmat. In barrel with iris, Each	34.50

Order by Number 1309R — Also State Size

for the Convenience they Provide



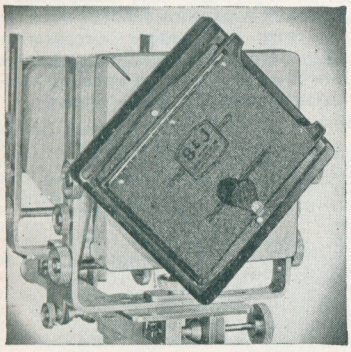
GROVER UNIVERSAL VIEW and PORTRAIT CAMERA

Patent Applied for
Made in U.S.A.

4x5 INCH 5x7 INCH

REVOLUTIONARY IN DESIGN

The last word in fine camera design and construction. It brings you new features — new adjustments — plus a new overall flexibility that adapts it to every picture making need. Its adjustments include rising, tilting, swinging and shifting front; tilting, swinging and shifting back. It meets every requirement for controlling linear perspective and sharpness of field. A bellows extension of approximately 21 inches is provided on both the 4x5 and 5x7 camera. The 4x5 camera has a 4x4 inch lensboard, the 5x7 a 5¼x5¼ inch lensboard. For straight away portraiture — for commercial subjects and for fine pictorial work, the Grover brings you a new measure of convenience.



REVOLVING BACK with FULL FOCUSING HOOD

The Grover camera is fitted with a full size ground glass focusing screen, mounted in a full hooded revolving back. The folding hood cuts off unwanted light, making it easy to study the ground glass image. The revolving back may be rotated (without being removed from the camera) from horizontal to vertical composition at will. Conventional type spring back accommodates all standard film and plate holders.

FRONT AND REAR FOCUS

The Grover camera is both front and rear focusing. A specially designed V-groove friction drive provides for smooth focusing action with micrometric accuracy. Locking knobs are provided on both front and rear adjustments.

MONO-RAIL BED

An accurate metal hexagon bed rail supports and maintains in perfect alignment the front, back and universally adjustable mounting stand of the camera. This mono-rail assembly cannot warp or get out of line. It assures perfect tracking in focusing. The camera mounting stand provides tilt and tip adjustments — and the entire unit may be moved forward or back on the rail.

ALL ADJUSTMENTS

The wide slotted U Standards supporting both the lens front and the camera back provide remarkable flexibility in adjustment. The swing, tilt, rise and fall movement provided exceed the covering power of the lens. Thus, the extreme adjustments available far exceed all normal operating requirements. Both long and short focal length lenses may be used. For wide angle work a 3½ inch lens can be used.

ATTRACTIVE FINISH

If you are proud of the appearance of your camera. you will appreciate the fine finish of the Grover. The heavy, durable bellows are silver-grey with all metal knobs and controls in bright chrome. Both the 4x5 and 5x7 camera are very compact when folded. Prices quoted do not include lens.

4 x 5 Inch GROVER Less Lens and Case Each . . . $59.50

5 x 7 Inch GROVER Less Lens and Case Each . . . $69.50

Order by Number 1401R

RECOMMENDED LENSES and ACCESSORIES

7⅜ inch F:5.5 Precision Anastigmat in self-cocking shutter 1 sec. to 1/200 Each $66.50

9 inch F:4.5 Spencer Portland in barrel with Iris diaphragm. Each $21.00

7⅛ inch F:3.5 Imported Anastigmat in barrel with Iris diaphragm. Ea. $59.50

8¼ inch F:6.8 Imported Anastigmat (Cooke Aviar Type) in self-cocking shutter. Each $49.50

8¼ inch F:3.5 Imported Anastigmat in barrel with Iris diaphragm. Ea. $89.50

8 inch F:4.5 Imported Anastigmat in self-cocking shutter. Each $63.00

6½ inch F:4.5 Wollensak Velostigmat in Alphax (1 sec. to 1/100) shutter Each $63.00

4x4 inch Lens Boards. Each ....$ .75

5¼x5¼ inch Lens Boards. Ea. $ 1.00

2¼" No. 6 Packard Shutter. Ea. $ 9.00

Compartment case for 4x5 Grover—accommodates camera holders and accessories. Each $12.00

Carrying Case for 5x7 Grover accommodates camera, holders and accessories. Each $15.00

4x5 Film Holders. Each .....$ 2.50

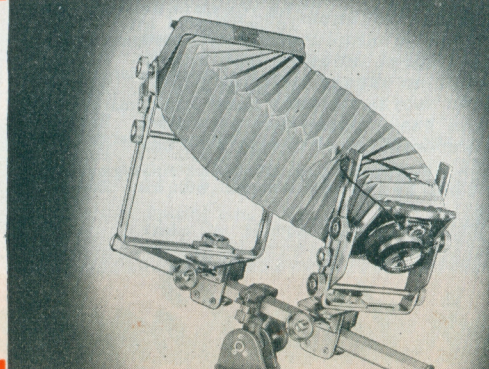
5x7 Film Holders. Each .....$ 2.65

Ideal Tripod. Each .....$ 5.50

8¼ inch F:4.5 Wollensak Velostigmat in Betax shutter. Each $86.00

3½ inch F:12.5 Wollensak Wide Angle Velostigmat in Alphax shutter. Each $31.50

Order by Number 1402R



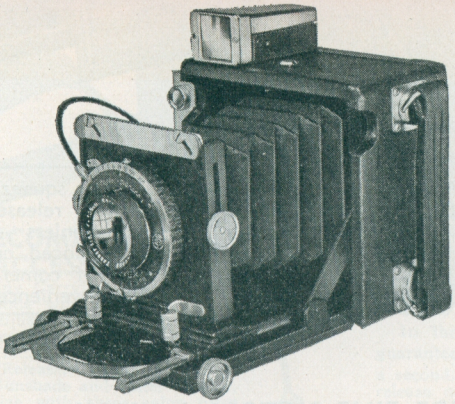
THE 2¼ x 3¼ WATSON MINIATURE PRESS CAMERA



$44.50
(Less Lens)

— EXCLUSIVE
WIDE ANGLE "DROP BED"

WITH ALL PRESS CAMERA FEATURES



THE 'BIG VALUE' IN THE MINIATURE PRESS FIELD!

Built with the exacting precision of the finest press cameras — and loaded with those expensive features that modern, successful press photography demands. Its popular 2¼x3¼ inch picture size brings it into that precision miniature class that appeals, not only to the press photographer, but to the professional and advanced amateur worker as well. It answers the need of the amateur worker in every branch of photography, such as, speed and action shots, pictorials, illustrative work, portraits, table-tops, copying. It combines in one instrument the features of a press camera, a view camera and a portrait camera. Its small compact design makes it easy to carry. Its rugged construction permits its use under the most trying press conditions. The convenience and ease of its manipulation enables you to capture your picture with certainty every time.

'BIG CAMERA' FEATURES

The Watson Miniature Press is fitted with a double extension bellows — extra long for successful close-ups. The focusing track rides in self-aligning V groove channels — with focusing knobs on each side of the bed. Front adjustments include tilt, rise and fall and vertical shift. The large **3½x3½ inch lensboard** accommodates large aperture lenses — and lenses may be interchanged instantly. The ground glass focusing panel is fitted with a full, "4 sided" hood — to show a brilliant ground glass image — making for the utmost ease in accurate focusing.

DESIGNED FOR SPEED IN OPERATION

Speed is combined with simplicity of operation in this new miniature Press Camera. The telescopic view finder showing a brilliant image — is fitted with compensating parallax adjustment — and is scored to accurately cover the field. The rugged carrying strap handle forms a steadying support for holding the camera still during the exposure. An extra heavy tripod socket permits carrying the camera on the tripod when desired.

TAKES ALL PRESS ACCESSORIES

The Watson Miniature 2¼x3¼ inch Press Camera accommodates all types of press accessories, such as flash gun, range finder, etc. Uses standard Graphic film and plate holders. Special vernier type focusing scale is calibrated to match the lens employed. Camera is attractively finished with leather covered body, black bellows and metal trim. See listings at right for recommended lenses and accessories.

2¼x3¼ WATSON MINIATURE PRESS

Price quoted is for complete camera, less lens and range finder. When ordering state focal length of lens to be used for calibration of focusing scale.

PRICE EACH (Less Lens) $44.50

RECOMMENDED LENSES and ACCESSORIES

4⅛ inch F:3.8 Steinheil Cassar in Compur Rapid shutter, speeds 1 to 1/400....**$59.50**
4⅛ inch F:4.5 Carl Zeiss Tessar in Compur shutter, speeds 1 to 1/250 .....**$49.50**
4⅛ inch F:3.8 Rodenstock Trinar in Compur shutter, speeds 1 to 1/250 .....**$54.50**
4⅛ inch F:4.5 Imported Anastigmat in Self Cocking shutter, speeds 1 to 1/125 **$29.50**
4⅛ inch F:6.3 Imported Anastigmat in Self Cocking shtr., speeds 1/25 to 1/100 **17.50**
3½ inch F:6.3 Wide Angle Voigtlander Collinear in Chronos shutter **$37.50**
4¾ inch F:4.5 Carl Zeiss Tessar in Compur shutter, speeds 1 to 1/200 .....**$47.50**
5 inch F:6.8 Goerz Dagor in Self Cocking shutter speeds 1 to 1/100 .....**$64.50**
6 inch F:6.8 Goerz Dagor in Self Cocking shutter, speeds 1 to 1/100 .....**$69.50**
5 inch F:4.5 Wollensak Ser. II in Betax shutter **$37.50**
Extra Focusing Scale for 3, 3½, 4⅛, 4¾, 5¼ and 6 inch lenses (specify) .....**$.75**
Kalart Model F Range Finder **$24.00**
Range Finder Installation, net **$3.50**
Range Finder encircling bracket with eye piece and filter **$2.50**
2¼x3¼ Ingento Film Holder **$2.50**
2¼x3¼ Film Pack Adapter **$3.00**
Standard Carrying Case, Accommodates camera and six holders **$4.95**
DeLuxe Carrying Case, holds camera, flash gun, twelve holders, flash bulbs, etc. **$14.95**

OF PRECISION DESIGN — for PRECISION WORK

PERLE —PRECISION MINIATURE

POPULAR and ECONOMICAL

Perle cameras enjoy wide popularity among the photo amateurs of America. They represent an effective compromise between the extreme miniature and the medium sized cameras. Its negative size 1⅝x2¼ inches is ample for pleasing contact prints—and large enough to permit tremendous enlargment, without the annoyance of grain—without apparent loss of detail.

EVERYTHING YOU NEED FOR PERFECT PICTURES

Perle cameras are designed and built with that fine precision that distinguishes the better instruments. The light weight body is of all metal construction, beautifully covered with seal grain leather, with metal edgings and trim in chrome. In design the Perle offers you a special film mould with trunion guide and film pressure plate. The optical eye-level finder provides normal "as the eye sees it" perspective. Improved design in the film winding mechanism coupled with the film pressure plate holds the film in true focal plane with the rigidly supported lens. The camera bed, leather bellows and lens standard are rigidly and accurately supported by reinforced self-bracing struts. Front lens focusing. Perle cameras because of their fine precision construction have proven extremely popular with the advanced photographic worker.

Many NEW FEATURES

The Welta Perle is fitted with the new "trigger squeeze" shutter release plunger—making possible longer exposures without vibration or camera movement. Conveniently placed were the finger normally rests when making an exposure, it assures rock steady, blurless pictures—even on exposures to ½ second. A tripod socket is provided—and the ruby film window is fitted with a sliding blind. The eye-level finder is cross line scored enabling operator to follow and quickly center moving objects.



FOR ALL ACTION, CANDID and MINIATURE WORK

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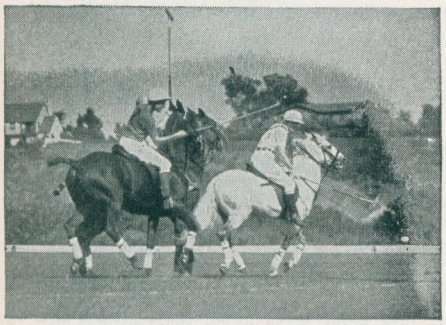
SUPER SPEED LENSES

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FINE SHUTTER EQUIPMENT

Trigger squeeze shutter release, vibrationless — and placed on side of camera for convenience.

SELF ERECTING BELLOWS



CONTACT PRINT
ACTUAL SIZE

Illustration shows actual size contact print from Perle negative. Note the fine detail. Such negatives make perfect enlargements—the generous size of the negative tending to eliminate grain in the final print regardless of size of enlargement.

POPULAR PICTURE SIZE 4.5x6cm. (1⅝x2¼ Inches)

Perle cameras provide for the utmost economy in operation. Using standard No. 120 roll film, obtainable anywhere, produce 16 brilliant negatives 1⅝x2¼ inches from the regular eight exposure roll. The negatives are ample in size to permit album mounting of contact prints.

A UNIVERSAL INSTRUMENT

The Perle is practically universal in its application to all branches of photography. For candid, miniature or pictorial work—it offers all essential adjustments for perfect picture results. It provides for utmost economy in operation. The advanced worker as well as the amateur will find in the Perle an instrument of remarkable versatility. Measures only 5¼x3x1⅝ inches overall—small enough to carry with you always. Weighs only 20 ounces.

RECOMMENDED ACCESSORIES for the PERLE . . .

Solid Leather Ever-Ready Case, each					$ 5.00
Soft Tan Leather Zipper Case (No. 34), each					1.75
Kalart Master Speed Flash Synchronizer					14.95
PARA Combination Sunshade and Filter Holder Set with three optical glass filters	32mm.	$6.50	37mm.	$6.75	
Ideal Color Filters (any color)	32mm.	3.50	37mm.	3.75	
Proxar Type Ideal Front Lens	32mm.	3.50	37mm.	3.75	
Rexo Sunshade	32mm.	1.35	37mm.	1.50	

Note: The F:2.9 and F:4.5 Lenses take 32mm. accessories and the F:2.8 Lenses require 37mm. accessories. Specify Number 1601R when ordering.

FOR FINE PICTORIAL WORK

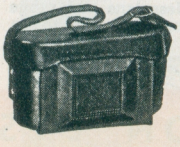
With a Welta Perle camera, you are ready for every picture making opportunity from high speed candid and miniature work to the most carefully composed types of pictorial work. Perle's fine lens equipment assures negatives of razor-like sharpness. The large aperture of these lenses along with modern high speed films enable you to take full advantage of the high speed shutter in action photography, even under adverse lighting conditions.

WITH F:4.5 ANASTIG. LENS—IN COMPUR SHUTTER, 1 to 1/250 Second.
PRICE EACH **$39.50**
Order by Number 1602R

WITH F:2.9 ANASTIG. LENS—IN COMPUR SHUTTER, 1 to 1/250 Second.
PRICE EACH **$44.75**
Order by Number 1603R

WITH F:2.9 ANASTIG. LENS—IN COMPUR RAPID 1 to 1/400 Second.
PRICE EACH **$48.50**
Order by Number 1604R

EVER-READY CARRYING CASE



Of heavy hand sewn sole leather with plush lining. Camera need not be removed from case for operation Complete with shoulder strap.
Order by No. 1605R
PRICE EACH **$5.00**
Locking screw, extra 60c

Ciro-flex

THE NEW TWIN LENS REFLEX



Illustration Shows Actual Negative Size

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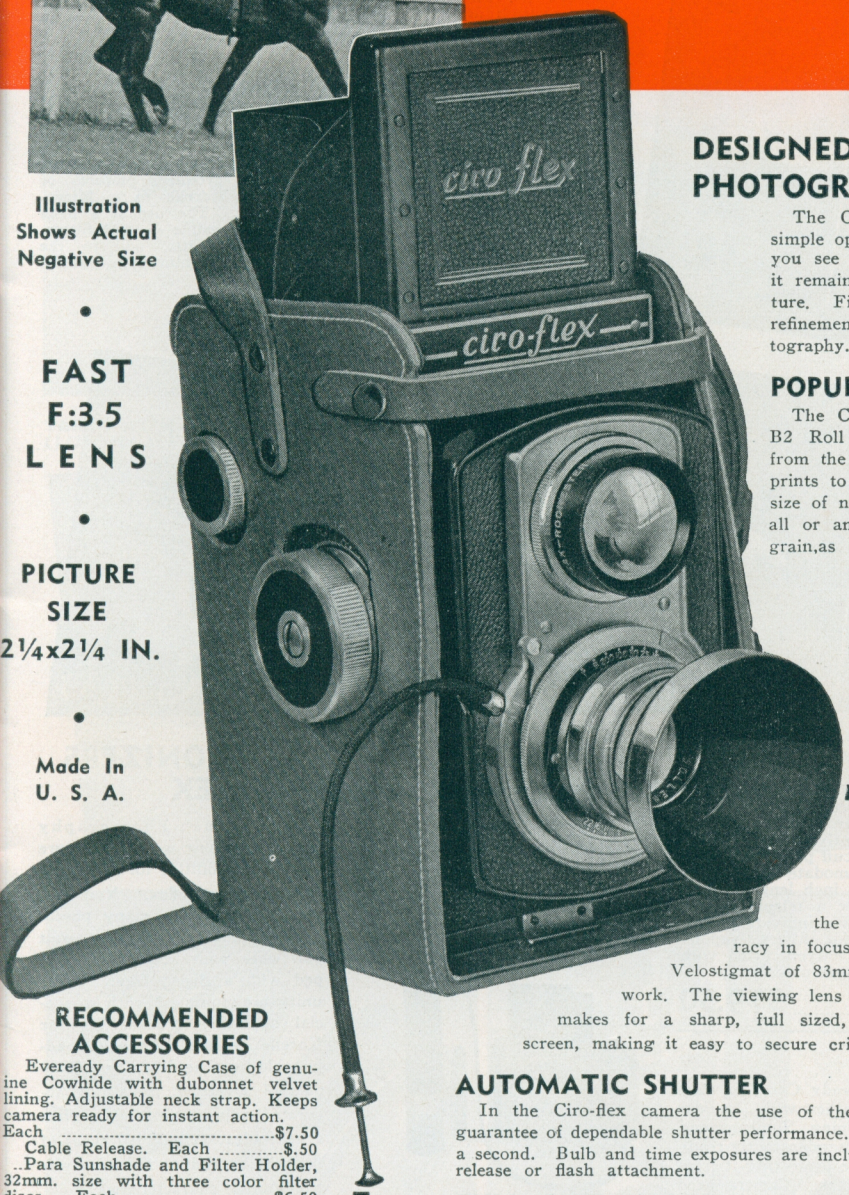
FAST F:3.5 LENS

•

PICTURE SIZE 2¼x2¼ IN.

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Made In U. S. A.



DESIGNED FOR TRUE AND ACCURATE PHOTOGRAPHIC RESULTS . . .

The Ciro-flex reduces successful picture making to a few simple operations. In the hooded ground glass focusing panel you see the image of your picture — right side up — and it remains there while you snap the shutter to take the picture. Fine lens and shutter equipment, plus a host of extra refinements adapt it for the most exacting types of fine photography.

POPULAR PICTURE SIZE

The Ciro-flex loads with either Eastman No. 120 or Agfa B2 Roll film, producing 12 negatives, each 2¼x2¼ inches from the roll. The 2¼x2¼ inch picture size permits contact prints to be made for album mounting — while the generous size of negative enables you to have enlargements made from all or any portion of the negative without the annoyance of grain,as normally encountered in smaller negative sizes.

REFLEX FOCUSING

A full size hooded ground glass focusing screen in the camera top shows you the picture image in full negative size. The large focusing knob at the side of the camera brings the image into focus — enables you to visually examine the degree of sharpness being secured. The focusing knob is also calibrated in feet for focusing without the aid of the ground glass when desired.

SYNCHRONIZED TWIN LENSES

The twin Wollensak Lenses employed on the Ciro-flex are perfectly synchronized for accuracy in focusing. The taking lens is a Wollensak F:3.5 Velostigmat of 83mm. focal length — corrected for fine color work. The viewing lens is an F:3.2 Anastigmat. Its larger aperture makes for a sharp, full sized, completely detailed image on the focusing screen, making it easy to secure critical focus with sharp definition.

AUTOMATIC SHUTTER

In the Ciro-flex camera the use of the famous Wollensak "Alphax" shutter is a guarantee of dependable shutter performance. Accurate speeds range from 1/10 to 1/200 of a second. Bulb and time exposures are included and provision is made for fitting a cable release or flash attachment.

FULL SIZE IMAGE — NON FOGGING MIRROR

The unusual brilliance of the ground glass image in the Ciro-flex Camera is made possible by the large aperture of the viewing lens which projects the image to the reflecting Rhodium mirror. This fine optical mirror will not tarnish, it cannot be scratched and it is impervious to moisture.

AUTOMATIC FOOL PROOF FOCUSING

The twin lenses of the Ciro-flex are so perfectly synchronized that poor, out-of-focus pictures are well-nigh impossible. The taking lens is automatically and correctly focused the moment the picture image on the ground glass viewing screen is in sharpest detail. The large focusing knob permits split-second speed in focusing, without danger of lens interference or blocking.

QUICK EASY MANIPULATION

Another convenient feature of the Ciro-flex is the Sportfinder — a fast, eye-level viewing aperture designed for use in capturing pictures of sports events and other scenes of rapid movement. Constructed in the viewing hood, the Sportfinder is instantly available for those once-in-a-lifetime shots. All operating controls on the Ciro-flex are conveniently placed for ease in operation.

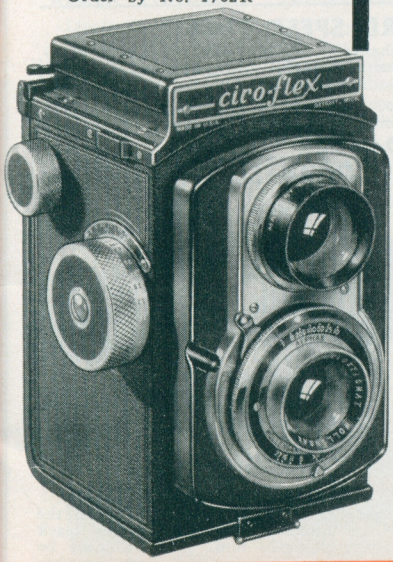
WITH F:3.5 VELOSTIGMAT LENS

Complete camera, less carrying case and cable release. Fitted with F:3.5 83mm. Velostigmat taking lens and F:3.2 Anastigmat viewing lens.
Order by No. 1701R

PRICE EACH **$49.50**

RECOMMENDED ACCESSORIES

Eveready Carrying Case of genuine Cowhide with dubonnet velvet lining. Adjustable neck strap. Keeps camera ready for instant action.
Each $7.50
Cable Release. Each .....$.50
Para Sunshade and Filter Holder, 32mm. size with three color filter discs. Each $6.50
Para Sunshade less filter discs, 32mm. Each $2.50
Filter Discs only to fit Para Sunshade, any color. Each $1.75
Proxar Supplementary Lenses (2 Required) 32mm. Each $3.50
Order by No. 1702R



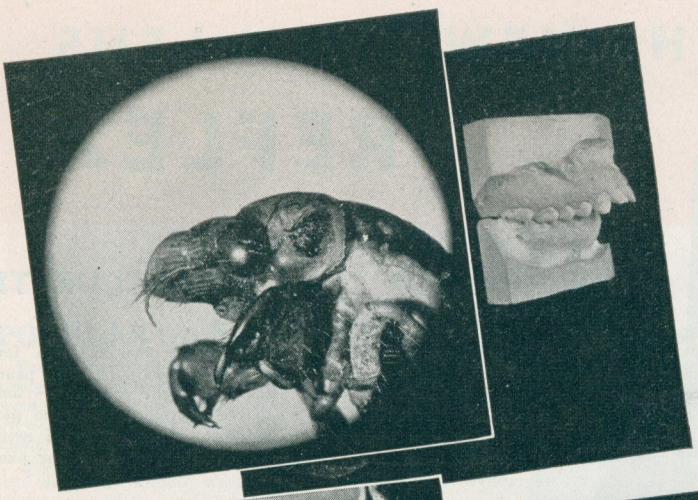
CIRO-FLEX COLOR FILM ADAPTER for Beautiful Color Shots

Adapts the Ciro-flex for use with Bantam (828) size color film. The smaller film size in conjunction with the standard 3 inch lens provides fine perspective — ideal for close-ups, etc. The unit consists of a special metal mask and spool extensions for centering the film and a mask for the focusing glass. The adapter may be easily inserted or removed, thus making it possible to interchange instantly from No. 120 black and white to Bantam color film.

Order by Number 1703R
PRICE EACH **$4.50**

Ciro-flex for FINER PICTURES

KORELLE-REFLEX ACCESSORIES

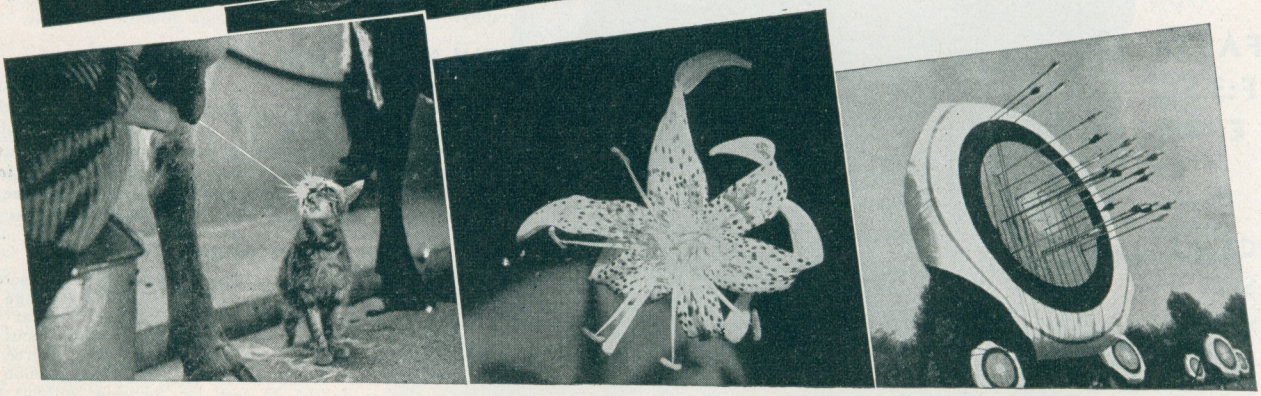


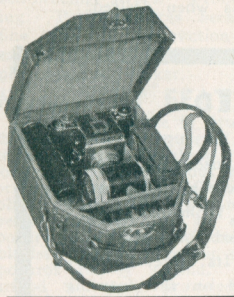
FOR BETTER PICTURES

FOR the thousands of Korelle-Reflex Camera owners throughout the country these two pages of accessories are presented. The versatility of the Korelle-Reflex in all branches of photography is too well known to require additional description here — yet, these fine cameras can be made even more versatile through the use of the various accessories offered here. The fine precision design of the Korelle-Reflex adapts it for use in the most exacting types of work.

SPECIALIZED PHOTOGRAPHY

An interesting branch of photography which to date has not received the attention it deserves from the advanced worker, is that of macrography . . . or the making of unusually large pictures of small objects. By using an extension tube on the lens actual magnification of image size is secured in the negative — and subsequent enlarging in printing produces pictures of striking pictorial quality. Adapting the Korelle to a Microscope makes even larger pictures possible. The use of a flash synchronizer makes action shots at night possible — and filters, supplementary lenses, kodachrome adapter, etc., add to the quality of pictorial rendering and give you pictures in natural color.



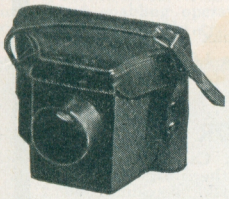


De LUXE CARRY-ALL CASE

A DeLuxe carry-all case for the Korelle camera and full kit of accessories. Sturdily made of rigid sole leather with soft plush lining. Case is conveniently arranged with compartments to provide scuff proof protection to all parts. Will accommodate camera extension tubes of ¾ and 6 inch lengths, with a special compartment for a telephoto lens and an exposure meter. Five individual compartments are provided for filters, supplementary lenses, etc. Attractively fitted with a lock, snap fasteners and shoulder strap.

Order by No. 1801R
Each **$19.50**

EVEREADY CARRING CASE



Standard Korelle Eveready Carrying Case of heavy brown sole leather with shoulder strap. Has full plush lining. Slung around the neck it keeps the camera instantly ready for picture making, while protecting it from ordinary scuffs and bumps. Camera need not be removed from case when making exposures. Order By No. 1802R.

Price each **$7.00**



PARA COMBINATION SUNSHADE, FILTER HOLDERS AND FILTER DISCS

Combination sunshade and filter holder in the popular 37mm. size to fit all standard 3" Korelle lenses except the Victar (see below). Para filter discs are instantly interchangeable in the holder — and may be had in Light Yellow, Medium Dark Yellow, green, Orange or Red. The Sunshade is of heavy design accurately shaped, with satin chrome outside finish — absorbent black inside finish. A filter guide is mounted on the unit for handy reference. Filter discs are ground optically flat, the color being fused into the glass.

37mm. Sunshade Filter holder with three optical glass filters in pouch. Each **$6.75**

37mm. Sunshade and filter holder only. Less Filter Each **$2.50**

37mm. Unmounted filters only. Any color. In leather pouch. Each **$1.85**

Order by No. 1803R when ordering.

ADAPTER RING FOR VICTAR LENSES

Special adapter ring for use with Victar lenses. Adapts lens for use with all standard 37mm. Korelle Accessories. Ea... **$1.75**

Order by No. 1804R when ordering

KALART FLASH SYNCHRONIZERS for KORELLE-REFLEX

SMALL COMPACT POSITIVE IN ACTION



Speed Flash Photography opens up a new world of picture taking possibilities for the owner of a Korelle-Reflex. You will be amazed at the many photographic adventures that await you when your camera is equipped with a Speed Gun. These units are equipped with a special mounting bracket for the Korelle camera. They are adjustable for time delay by 1/1000 part of a second, permitting accurate adjustment for perfect synchronization with all types of flash bulbs and to meet individual shutter characteristics.

KALART MASTER SPEED FLASH

Fitted with new style tubular battery case with bulb ejector, self locking attachment clip, and standard electric outlet for extension lighting. Each **$14.95**

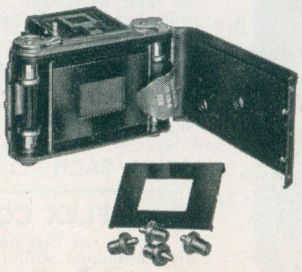
Order by No. 1806R when ordering

KALART STANDARD SPEED FLASH

Kalart Synchronizer mechanism, bakelite battery case, battery, polished reflector and instructions. Not illustrated. Each **$13.50**

Order by No. 1805R when ordering.

KODACHROME ADAPTER for BEAUTIFUL COLOR SHOTS



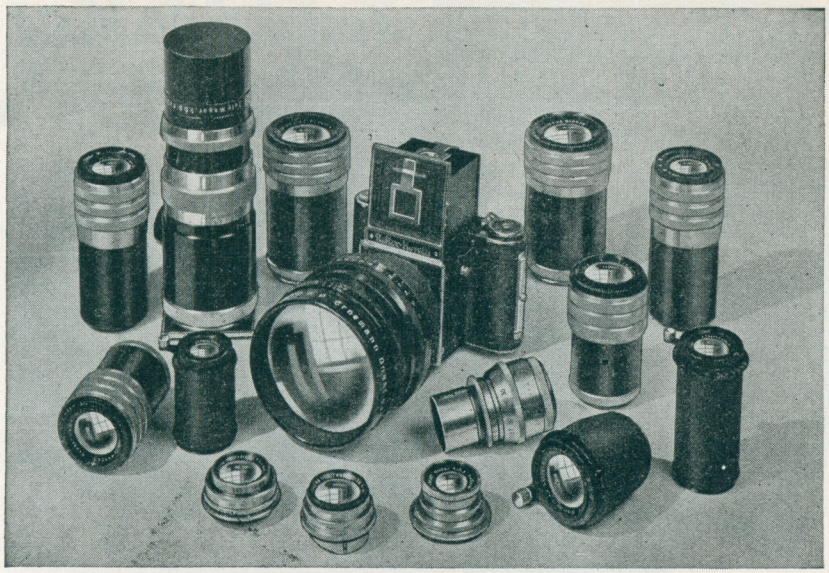
Adapts the Korelle-Reflex for use with Kodachrome Color Film in the popular 828 size. Beautiful positives and slides in natural color can be made at will. The smaller film size in conjunction with the standard 3 inch lens provides fine perspective, ideal for close-ups, etc. Unit consists of a special metal mask and spool extension for centering the film. The focusing glass is scored to show the reduced picture size. Now being used by hundreds of Korelle owners the country over.

INTERCHANGE BLACK and WHITE or COLOR

The Kodachrome adapter may be inserted or removed from the camera at will. Thus you can interchange at will between black and white 120 film and Kodachrome 828 film. Camera must be sent in for fitting. Supplied in fitted wooden case with complete instruction. Order by No. 1807R when ordering.

Price each **$9.00**

TELEPHOTO LENSES for KORELLE REFLEX

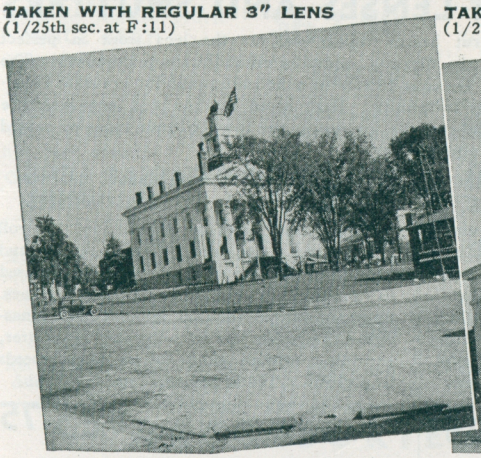


Also available for Pilot, Super Pilot, Exakta, Kine-Exakta, Perfex, Beira-Reflex and similar cameras. Cameras listed above must be sent in for fitting.

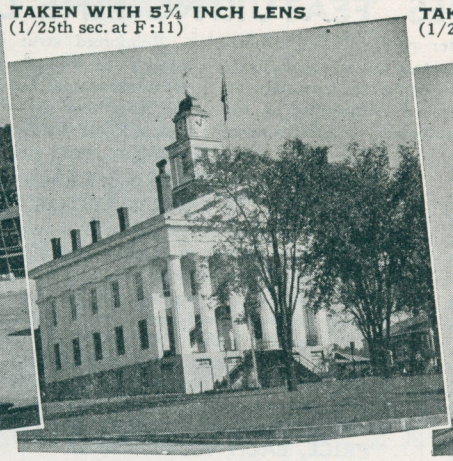
4¾ inch F:3.5 Ernemann "Ernon"	$ 65.00
4¾ inch F:3.5 Laack	60.00
4¾ inch F:4.5 Rodenstock Portrait	55.00
5 inch F:6.8 Goerz Dagor	65.00
5¼ inch F:4.5 Leitz Elmar	99.50
5¼ inch F:4.5 Imported Anastigmat	44.50
5¼ inch F:4.5 Carl Zeiss Tessar	85.00
5½ inch F:2 Cooke Opic*	350.00
6 inch F:5.6 Dallmeyer Telephoto	72.00
6 inch F:6.8 Goerz (Berlin) Dagor	75.00
6 inch F:4.5 Ross-Zeiss Tessar*	80.00
6 inch F:3.9 Laack "Dialytar"*	82.50
6 inch F:3.5 Laack "Dialytar"*	87.50
6 inch F:4.5 Carl Zeiss Tessar*	90.00
6 inch F:2.7 Ernemann "Ernostar"*	130.00
6½ inch F:6.3 Goerz Dogmar*	59.50
6½ inch F:4.5 Ernemann "Ernon"*	85.00
6½ inch F:4.5 Carl Zeiss Tessar*	95.00
6½ inch F:3 H. Meyer Trioplan*	115.00
6½ inch F:2.7 Carl Zeiss Tessar*	140.00
7⅞ in. F:6.3 Goerz(Berlin) Dogmar*	69.50
12 in. F:5.5 Hugo Meyer Telephoto*	160.00
19½ inch F:6:3 B & L Tessar*	165.00

*Requires special fitting—send camera.
Specify Number 1901R when ordering.

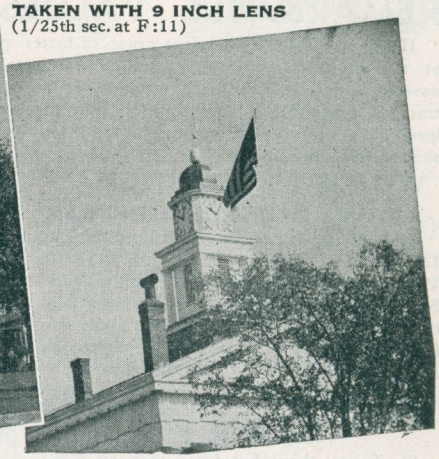
TAKEN WITH REGULAR 3" LENS
(1/25th sec. at F:11)

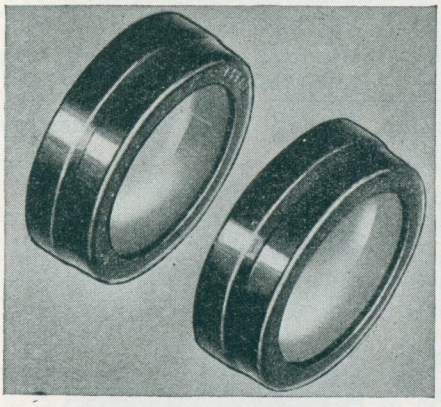


TAKEN WITH 5¼ INCH LENS
(1/25th sec. at F:11)

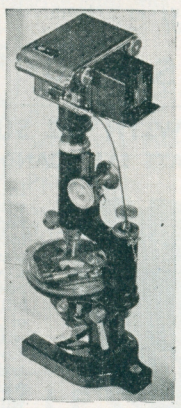


TAKEN WITH 9 INCH LENS
(1/25th sec. at F:11)









MICROSCOPE ADAPTER

A special coupling unit designed to maintain proper optical axis for mounting the Korelle Reflex on a microscope. Adapts the camera to the most exacting types of micrographic work. Amateurs who have a microscope available will derive unlimited pleasure from this fascinating branch of photography. Minute objects can be brought up to immense proportions on the Korelle negative and even greater size when prints are made by projection. Specify diameter of microscope tube when ordering.

Price each $5.50
Order by No. 1904R when ordering.

COLOR FILTERS

Ideal, slip-on type, with uniform spectral cut-off. Can be used with sunshade. 37mm. size in Yellow, Green, Red or Haze. They provide a professional touch to your pictures.

Each $3.75

FRONT LENSES

Proxar type, shortens focal length of your camera lens for close-ups, small objects, insects, etc. Can be used with Ideal filters as listed at left. 37mm., size. Strengths 1X, 2X or 4X.

Each $3.75

Order by No. 1902R when ordering.

LENS EXTENSION TUBES

Provide a means of extending the lens for close-up work—enabling you to photograph small objects larger than actual size. Tubes may be threaded together to secure even greater length. Of fine instrument brass, matt black finish.

¾" each..$3.50 | 3" each..$4.00
1½" each.. 3.50 | 6" each.. 6.00

Specify Number 1903R when ordering.

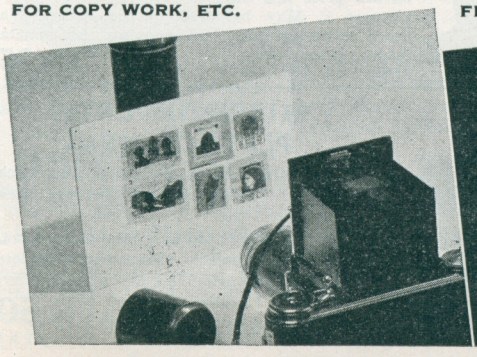


SUNSHADE

A definite aid in producing snappy, brilliant negative. Permits only light rays from subject to pass thru the lens. 37mm. size for F:3.5, F:2.9 or F:2.8 lenses.

Order by No. 1905R
Each $1.50

FOR COPY WORK, ETC.



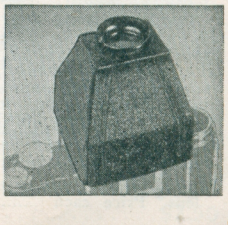
FINGER PRINT WORK



FOCUSING HOOD

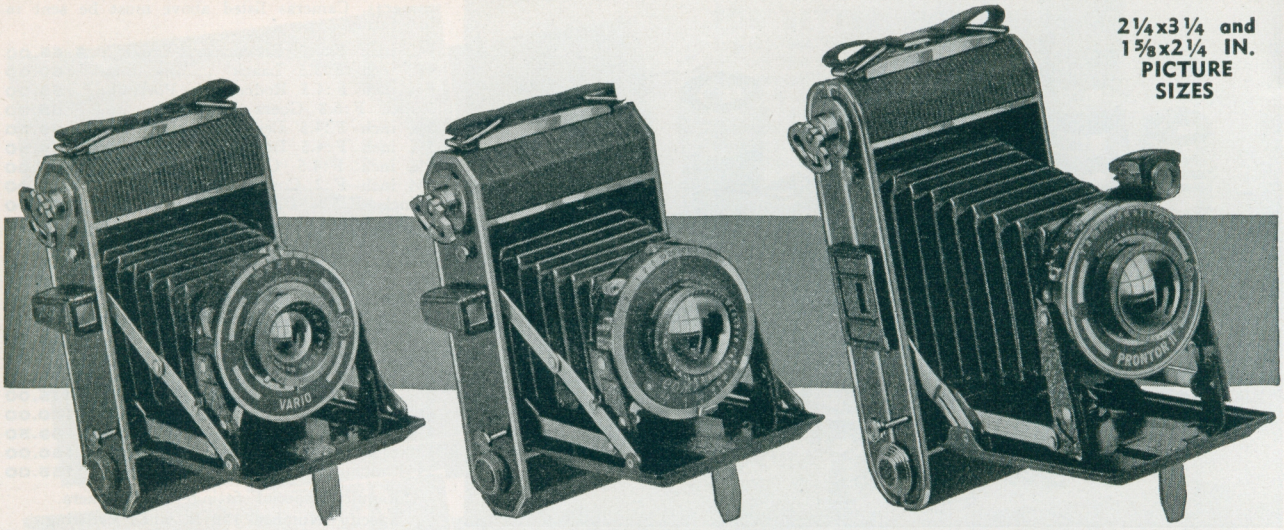
Slips over the regular focusing hood of the Korelle, effectively cutting off all extraneous light. The built-in eye-piece enlarges the ground glass image to simplify accurate focusing. Adds materially to the brilliance of the image. Order by No. 1906R.

Price Each
$2.00



MODERN "HIGH SPEED" FOLDING CAMERAS

FRONT LENS FOCUSING



2¼x3¼ and 1⅝x2¼ IN. PICTURE SIZES

REMARKABLE VALUES FEATURING FINE LENSES AND SHUTTERS

Here you are offered a select group of better quality folding cameras at substantial savings. They feature all metal bodies, attractively covered with highly polished metal trim, imparting an unusually attractive appearance. They include such modern refinements as eye level view finders—self erecting fronts, push-button trigger squeeze shutter releases.

Reinforced strut braces rigidly support the lens front in perfect focal plane with the film . . . assuring critically sharp negatives. The front element of the lens rotates in a helical mount for accurate focusing from close-up to infinity. High speed shutters and large aperture lenses adapt these cameras for use in the most difficult types of candid and high speed photography.

WITH F:4.5 VELOSTIGMAT
PICTURE SIZE 1⅝x2¼ INCHES

Gives 16 exposures per load on regular No. 120 roll film. Camera is fitted with an F:4.5 Velostigmat 3 inch lens mounted in a Vario Shutter providing exposure speeds from 1/25 to 1/100th second, time and bulb. Front lens focusing from 3 feet to infinity. Telescopic eye level view finder. A splendid value.

Order by No. 2001R
PRICE, EACH $15.75

Similar to above but fitted with an F:4.5 Anastigmat lens in Compur (1 to 1/200th. sec.) shutter.

Order by No. 2004R
PRICE, EACH..... $42.50

WITH F:2.9 CASSAR LENS
PICTURE SIZE 1⅝x2¼ INCHES

Gives 16 exposures per load on regular No. 120 film. Camera is fitted with a high speed F:2.9 Cassar 3" anastigmat mounted in a Compur ring set (delayed action) shutter with exposure speeds from 1 to 1/200th second, time and bulb. Front lens focusing from 3½ feet to infinity. Telescopic eye level view finder. Trigger squeeze shutter release.

Order by No. 2002R
PRICE, EACH $35.75

Similar to above but fitted with an F:2.9 Anastigmat lens in Compur Rapid (1 to 1/400th sec.) shutter.

Order by No. 2005R
PRICE, EACH..... $48.50

WITH F:3.8 CASSAR LENS
2¼x3¼ and 1⅝x2¼ INCHES

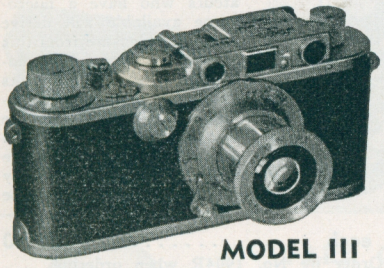
Two picture sizes on regular No. 120 roll film. Gives 8 exposures 2¼x3¼ inches and with the mask provided, it may also be used to provide 16 exposures 1⅝x2¼ inches. Camera is fitted with an F:3.8 Cassar Anastigmat 4⅛ inch lens in a Prontor II shutter, providing a wide range of exposure speeds from 1 to 1/100th second, time and bulb.

Order by No. 2003R
PRICE, EACH $25.75

Similar to above but fitted with an F:4.5 Anastigmat lens in Compur (1 to 1/200th sec.) shutter.

Order by No. 2006R
PRICE EACH..... $39.50

LEICA MODEL III WITH F:2 SUMMAR LENS
(THE ORIGINAL "CATS EYE" CANDID CAMERA)



MODEL III

Interchangeable lenses with coupled range finder for automatic focusing. The focal plane shutter provides a wide range of exposure speeds from 1 full second to 1/1000th of a second. Loads with Standard 35mm. daylight loading cartridges in black and white or Kodachrome with case, used camera.

Price $167.50
Order by No. 2007R

Contax "Precision Made" Miniature Cameras

CONTAX II with F:2 Sonnar Lens and case, used... **$179.50**

CONTAX II with F:1.5 Sonnar lens and case, used,. **$223.50**

CONTAX III with F:2. Sonnar Lens and case, used,.. **$219.50**

CONTAX III with F:1.5 Sonnar lens and case, used. **$259.50**
Order by No. 2008R



CONTAX III

SEE PAGE 55 FOR LENSES

PRESS TYPE KORELLE REFLEX
6x6cm. (2¼x2¼ Inch)



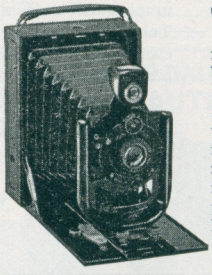
Press photographers and candid camera workers who are called upon to bring back pictures under the most trying conditions of light and distance, will find in this Korelle-Reflex a practical solution to their problems. Reflex focusing assures negatives of needle sharpness — instantly. Focal plane shutter with speeds from 2 to 1/500 second.

F:2 5½ INCH COOKE

The super speed F:2 Cooke anastigmat lens has a focal length of 5½ inches. It is mounted in the latest style chrome Model II camera body, which has speeds from 2 seconds to 1/500 second — with a built-in self-timer. The negative size of 2¼x2¼ inches from standard roll film assures pictures of ideal perspective — an enlarged image size that brings in candid shots like posed pictures.

Order by Number 2009R
SPECIAL SALE PRICE EACH $400.00

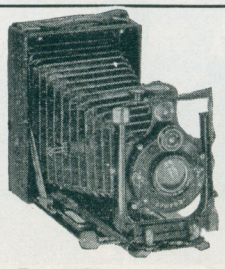
Same as above, but fitted with a 12" Hugo Meyer Telemegor F:5.5 lens. Price each $260.00



Carl Zeiss Plate and Film Camera

Genuine Carl Zeiss (Jena) 9x12cm. plate and film camera. Beautiful leather covered metal body. Ground glass focusing panel with hood, 1 plate holder, leather bellows brand new. Single extension camera, ideal for all around use. Built for life-time service. A fine instrument. Camera is fitted with an F:9 lens mounted in a Zeiss Simplex shutter. Despite its low price this camera will produce beautiful pictures. May be used for constructing a home made enlarger by removing the camera back. Brand new.

Order by No. 2010R **$9.95**



9x12CM IMPORTED PLATE CAMERAS

Standard 9x12cm. Plate and Film Pack Cameras. These units are without lens and shutter. Such popular makes as Bee-Bee, Certosport, Welta, Maximar, Zeca, etc., are included. Furnished complete with focusing panel and film pack adapter.

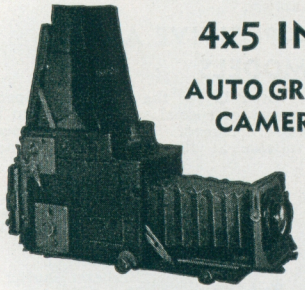
Order by Number 2011R
PRICE EACH $18.50

GRAFLEX CAMERAS

DEMONSTRATORS SHOPWORN AND RECONDITIONED — UNITS —

- SOLD ON A MONEY-BACK GUARANTEE
- AT SUBSTANTIAL PRICE REDUCTIONS

These fine Graflex and Speed Graphic cameras represent demonstrators trade-ins, close-outs, etc. All have been carefully gone over and are guaranteed perfect. The regular Graflex cameras feature reflex ground glass focusing and all numbers are fitted with focal plane shutters. Prices have been substantially reduced to assure their quick sale. You are urged to order promptly to avoid disappointment as in many cases there is only one of a kind. Sold on 10 day money back basis.



4x5 INCH AUTO GRAFLEX CAMERAS

4x5 RB AUTO GRAFLEX

Standard 4x5 Revolving Back Auto Graflex, having an 18½ in. bellows extension. Requires lens of at least 9½ in. focus. Removable lens board 3¾ inches square. Complete with one plate holder.

Order by Number 2101R
PRICE EACH $67.50

Recommended lens—10 inch F:5.5 Anastigmat in barrel..... **$39.50**

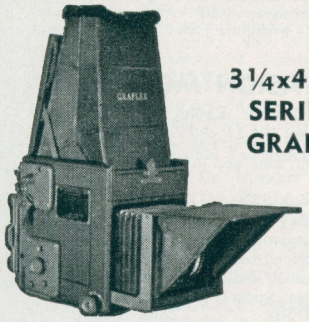
4x5 Revolving Back Auto Graflex complete with 9¾ inch F:4.5 B. & L. Tessar lens and film pack adapter.

Order by Number 2102R
PRICE EACH $129.50

4x5 Auto Graflex (rigid back). Bellows capacity 6-8¼ inches. Lens board 3 inches square. (Less lens). In fine condition. Complete with film holder.

Order by Number 2103R
PRICE EACH $29.50

Recommended lens 7⅞ in. F:3.5 Anastigmat in barrel..... **$49.50**



3¼x4¼ IN. SERIES D GRAFLEX WITH LENS

Series D Graflex 3¼x4¼ inch fitted with 7⅛ inch focus, F:3.5 Schneider Xenar anastigmat lens. Slightly used. Complete with film pack adapter.

Order by No.2104R
PRICE EACH $127.50

3¼x4¼ SERIES D GRAFLEX

3¼x4¼ Series D Graflex Revolving back. Less lens. Perfect condition. Complete with film pack adapter.

Order by Number 2105R
PRICE EACH $73.50

3¼x4¼ SERIES C GRAFLEX

Has revolving back. Less lens. Can be focused from infinity to 2 feet. Ideal for direct action shots. Complete with film holder. Excellent condition.

Order by Number 2106R
PRICE EACH $69.50



3¼x5¼ IN. COMPACT GRAFLEX LESS LENS

3A COMPACT GRAFLEX

3¼x5½ Compact Graflex for cut film or film pack. In perfect condition. Less lens. Has 11 inch bellows extension and 3¼x3¼ front board. Complete with film holder.

Order by Number 2107R
PRICE EACH $34.50

3¼x4¼ SERIES C—F:2.5

Revolving Back Graflex with 6½ in. Cooke F:2.5 Anastigmat. Can be focused from infinity to 2 feet. Ideal for direct action shots. Complete with film holder.

Order by Number 2108R **$139.50**

ACCESSORIES FOR GRAFLEX CAMERAS

Includes both new and reconditioned accessories for Graflex Camera s — or other cameras fitted with standard Graflex backs.

2¼x3¼ new Graflex Cut Film Holders
Price each **$3.15**

3¼x4¼ new Graflex Cut Film Holders.
Price each **$3.75**

3¼x4¼ Standard 12 septum plate magazine, in excellent condition.
Price each **$7.95**

4x5 Graflex Focusing Panel.
Price each **$5.00**

3¼x4¼ Roll Film Adapters. Cannot be told from new.
Price each **$5.95**

3¼x5½ Roll Film Adapters for Graflex — guaranteed.
Price each **$4.95**

4x5 Roll Film Adapters in excellent condition. Guaranteed perfect.
Price each **$5.95**

4x5 new Graflex Cut Film Holders.
Price each **$4.00**

4x5 Plate Magazines with 12 septums, clamp cover.
Price each **$6.50**

4x5 Plate Magazine with 12 septums, snap cover.
Price each **$9.50**

4x5 Graflex Plate Holders, like new.
Price each **$2.95**

5x7 Graflex Cut Film 12 Septum Magazine.
Price each **$17.50**

Order by Number 2109R

5x7 Graflex Plate Magazine, 12 septums, clamp cover.
Price each **$5.50**

5x7 new Graflex Cut Film Holders.
Price each **$4.50**

5x7 Graflex Plate Magazine, 12 septums, snap cover.
Price each **$8.45**

5x7 new Film Pack Adapter.
Price each **$8.50**

5x7 Graflex Focusing Panel.
Price each **$6.50**

5x7 inch Plate Holders, slightly used.
Price each **$2.75**

35mm. SEPT CAMERAS FOR MOVIES OR STILLS

IDEAL for COPYING or IDENTIFICATION SHOTS

PICTURE SIZE 35mm. SINGLE FRAME

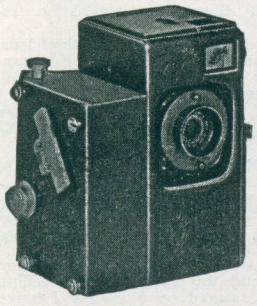


ILLUSTRATION SHOWS SINGLE SPRING MODEL

These fine Sept cameras load with 17 feet of standard 35mm. film. Pictures may be made as movies (16 frames per second) or stills (250 at one loading) at instantaneous or time exposures. A heavy spring motor winds the rotary shutter and advances film. These units may also be used for printing positive strips from negatives. A sliding door at back of camera provides for exposures in printing. Being fitted with high speed lenses they may be used for street work, etc. Loaded film clips may be inserted in the camera in broad daylight without fear of fogging.

INSTANTANEOUS, BULB OR MOVIE EXPOSURE

These Sept cameras are ideal for progressive action shots. Operation at movie speeds of 16 frames per second — or instantaneous exposures as fast as you can press the shutter gives you a series of pictures covering any type of action that may then be studied individually to show each stage of the action. The heavy spring motor advances the film automatically and operates the highly efficient rotary shutter. The instantaneous shutter speed operates at 1/90 of a second. The double spring camera requires only one winding to run off the full 17 feet of film whereas the single spring model requires 2 windings.



Identification shots are easy with a Sept camera. Pressing the trigger takes the picture and advances the film for the next exposure. Seat the subject approximately 40 inches from the camera for a good sized bust picture (15x20 inches).

SINGLE SPRING TYPE

Sept single spring model camera fitted with a 2 inch F:3.5 anastigmat lens. Has capacity for 17 feet of 35mm. film at one loading. Furnished complete with two film cartridges—ready to load and go.

PRICE EACH $32.50

EXTRA FILM MAGAZINE..... $2.50

Specify Number 2110R when ordering

Copy your valuable documents on 35mm. film. Camera will work as close as 12 inches from the subject (without supplementary attachments) at this distance it covers an area of 4½x6 inches. It will cover an 8x10 area at 20 inches.

DOUBLE SPRING TYPE

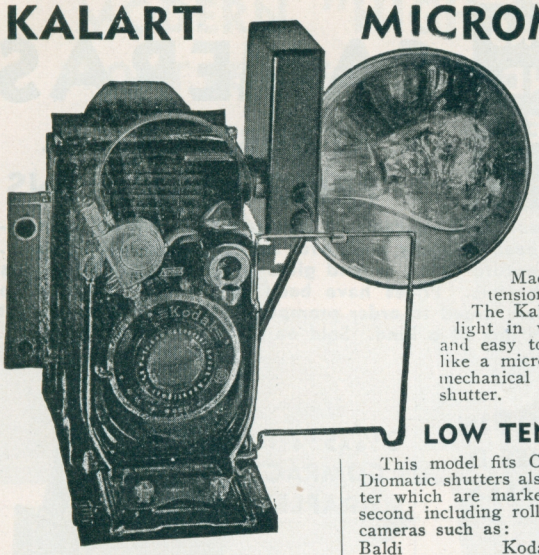
Sept double spring model camera fitted with a 2 inch F:3.5 anastigmat lens. Has capacity for 17 feet of 35mm. film at one loading. Complete with two film magazines. Finest construction throughout.

PRICE EACH $39.50

EXTRA FILM MAGAZINE..... $2.50

Specify Number 2111R when ordering

KALART MICROMATIC SPEED FLASH GUNS . . .



Speed Flash Photography opens up a new world of picture taking possibilities. You will be amazed at the many photographic adventures waiting to be explored with this new Photoflash Synchronizer.

The Kalart Micromatic Speed Flash is adjustable for time delay by 1/1000 part of a second and can be used with practically any modern camera. By this hair line timing, it is also posible to accuratly adjust the synchronizer for all makes of flash bulbs as well as for individual shutter characteristics. A slight turn of the milled Micromatic tension knob will increase or decrease the time delay between electrical contact and shutter action.

TYPES FOR ALL CAMERAS—POSITIVE ACTING

Made in three groups. . . . Low tension, medium tension and special. The Kalart Micromatic Speed Flash is light in weight, exceptionally compact, and easy to handle. It is precision built like a micrometer, and employs the same mechanical principle that operates your shutter.

ECONOMICAL

Only Kalart is MICROMATIC. Pressure can be regulated to fit your individual shutter requirements; thus there is no smashing impact upon your shutter mechanism at any time. Small, lightweight batteries used are guaranteed to last 4 to 6 months. There are no magnets or other electricaly operated devices to consume the battery; current is used only to ignite the bulb. The mechanical processes involved insure absolutely consistent action.

LOW TENSION MODEL

This model fits Compur Rapid, Kodamatic and Diomatic shutters also the O and OS compur shutter which are marked for a top speed of 1/250th second including roll film and 6½x9cm. film pack cameras such as:

Baldi
Baldina
Dollina II
Kodak Bantam Special
Kodak Duo
Kodak Retina I
Kodak Senior Series
Kodak 35's
Kodak Vollenda
Miniature Speed Graphic
Plaubel Rollop
Super Sport Dolly
Welta Perle
Weltur
Welti
Weltini
Wirgin
Zeiss Ikonta A, B, C, D
Zeiss Super IkontaA,B,C,D

MEDIUM TENSION MODEL

For all roll film and 9x12cm. film pack cameras:

Argus A and F
Balda
Baldax
Bee Bee
Ihagee Duplex
Kodak Recomar
Linhof
Nagel
Plaubel Makina
Speed Graphic except Miniature
Voigtlander Avus
Voigtlander Bergheil
Welta
Zeca
Zeiss Ideal
Zeiss Juwel
Zeiss Maximar
Zeiss Nixie

SPECIAL MODELS

For cameras listed below the Kalart Company has designed a series of special synchronizers to fit the particular camera named. These special Speed Flashes are available at the same price as any standard model.

Argus C and C2
Rolleicord
Standard
Rolleiflex
Perfex 44
Auto Rolleiflex
Robot
Detrola
Falcon
Agfa Plenax
Superb
Foth Derby
Super Foth I and II
Foth Flex
Ikoflex II and III
National Graflex synchronized at 1/50th sec. only
Bantam 4.5
Bantam 5.6
Embezet Shutter
Ibsor Shutter
Ilex Automatic Shutter

{ Contax I, Dekrullo, Nettel 6½x9 } Leica { Super Nettel, Contax II, III, Nettax }

(Bracketed cameras use same Synchronizer)

Standard Speed Flash $11.50
Standard Model for Korelle-Reflex . . $13.50
With Adapter for Robot cameras . . . $12.25
Flashing unit for 2¼x3¼ Speed Graphic $5.80
With Bracket $6.50
For Exakta with bracket $6.50
Suede Zipper Case for Kalart Micromatic $2.00

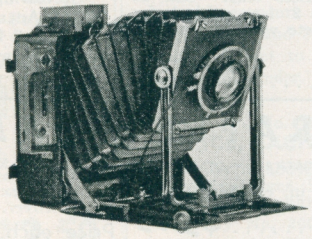
Order by Number 2201R when ordering

KALART SYNCHRONIZED RANGE FINDER

for WATSON, B & J SPEED PRESS and SPEED GRAPHICS

Model "F" for 4x5, and 3¼x4¼ Press Cameras

Speed Press cameras because of their unusual flexibility and versatility enjoy wide use by press and sports photographers who are called upon to bring in good pictures under the most difficult conditions. Quick focusing—often by guess work has been resorted to under conditions calling for utmost speed. The Kalart Range Finder provides a practical solution to this problem.



B & J PRESS CAMERA with KALART RANGE FINDER

FOR QUICK and ACCURATE FOCUSING

Against the unexpected opportunity to get your picture—when time and speed are all important, you will find your Kalart Range Finder an indispensable aid to quick and accurate focusing. The actual sighting of your subject and setting the lens through the range finder is the work of but an instant.

ADJUSTABLE TO LENSES OF 10.5cm. TO 30cm. FOCAL LENGTH

Provides an unusually wide adjustment range for accommodating auxiliary lenses and will automatically focus a lens as closely as 3¼ and 4 feet. It is adaptable to lenses of over half a dozen focal lengths. The image shown in the finder is exceptionally brilliant—you do not have to plant your eye against it for accurate operation—and the use of a Film Pack Adapter on the camera is no deterrant to quick accurate operation. This added versatility of the Kalart Range Finder in its adaptability for coupled focusing with lenses of various focal length makes it an essential piece of equipment for use on any picture assignment. It assures sharp, accurately focused negatives.

ACCURATELY DESIGNED

This Kalart Range Finder has been designed especially for use on Speed Press cameras. It is automatically coupled to the lens and is operated by the camera focusing screw. As you operate the finder you automatically focus the camera—and when coincidence is secured in the finder the lens is accurately focused.

FOR QUICK EXPOSURES

The Kalart Range Finder projects a brilliant image permitting its use under poor light conditions. Its installation on the camera is like an insurance policy against "out-of-focus" negatives. Operation of the finder and focusing are accomplished simultaneously—and instantly.

PERMANENT ADJUSTMENT

The Kalart Range Finder is of rugged substantial construction—designed to stand up under the wear and tear of press photography. Properly adjusted and sealed in position on the camera its accuracy is practically permanent.

All range Finders are packed with complete illustrated Installation instructions. May be installed by any competent camera mechanic.

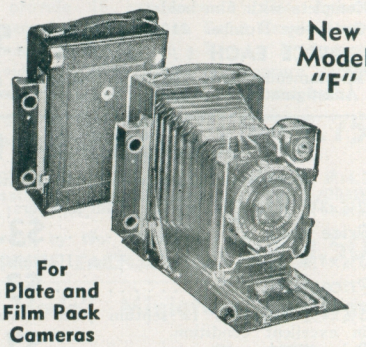
Order by Number 2202R
PRICE EACH $24.00
Factory Installation if desired $3.50

RANGE FINDER GUARD BRACKET

Protects Range Finder and permits use with any speed flash. Complete with amber filter for easy focusing and eye extension tube which aids in "hitting the spot".

Order by No. 2203R **$2.50**

KALART COUPLED RANGE FINDER



New Model "F"

For Plate and Film Pack Cameras

For 9x12 or 6½x9cm. Cameras

The new Kalart Synchronized Model "F" Range Finder may now be used on the following cameras: 9x12cm. Ideal, Maximar, Welta, Ihagee, Linhof and Recomar and on the 6.5x9cm. Bee Bee, Ihagee, Recomar, Linhof, Maximar and Bergheil. Couples directly to the lens for automatic focusing at all distances from 6 feet to infinity. Does not interfere with the use of the double extension bellows or a wide angle lens.

Transforms your camera into a fast acting, man size candid camera. The coupling mechanism is of the direct drive type. Packed complete with illustrated installation instructions.

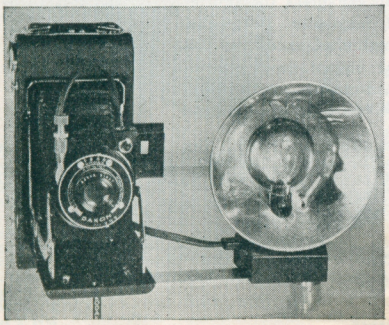
When ordering specify focal length of lens, negative size and make of camera. For cameras not listed above special quotations will be furnished upon request.

Order by No. 2204R
PRICE EACH $24.00

INSTALLATION, EXTRA, NET....$3.50

KALART NEW COMPAK SPEED FLASH for FOLDING CAMERAS

WITH CONCENTRATING REFLECTOR AND BULB EJECTOR



The new Kalart Compak Speed Flash has been designed for use with Kodak, Agfa and other common types of cameras fitted with pre-set automatic shutter, having top speeds not exceeding 1/100th second. Perfect flashes at speeds up to 1/100th second are assured by a unique Passive Synchronizer Unit. The Compak Speed Flash is easily attached and adjusted. To the thousands of camera users whose cameras are fitted with the ready-set or self-cocking type of shutter this Compak Speed Flash makes available at a reasonable price the fun of flash photography.

FOR USE WITH THE MIDGET BAYONET BASE FLASH LAMPS

The Compak Speed Flash is designed for exclusive use with midget bayonet base flash lamps. The Battery-Flector unit of this synchronizer comprises Kalarts' popular Concentrating Reflector with its patented bulb ejector and a built-in battery holder containing two standard size batteries. Unit is furnished complete, as illustrated less camera, with extension bracket — test bulb.

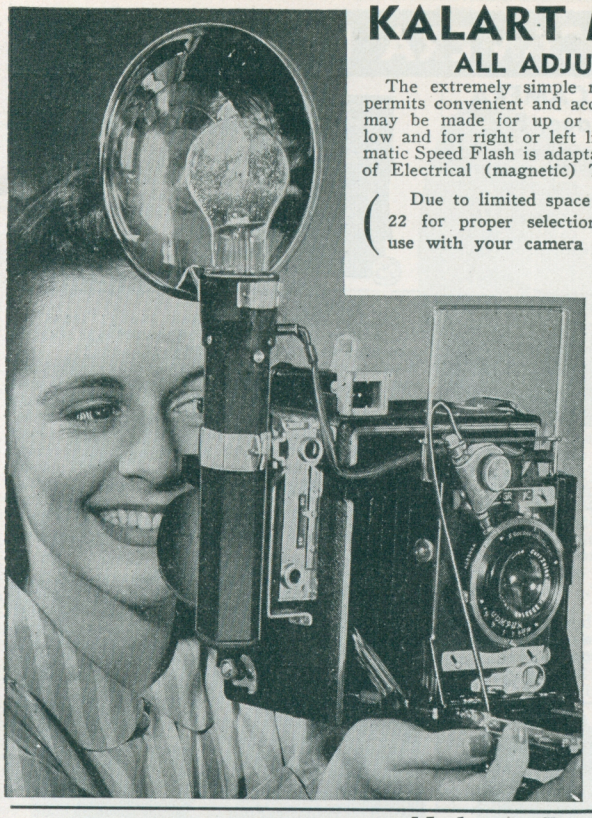
Order by Number 2205R when ordering..... **$6.95**

Battery-Flector only with Extension Bracket, Test Lamp and Batteries less passive synchronizing unit $4.95
May be used with micromatic as well as passive synchronizer unit.

Special Adapter necessary for Agfa Cameras having cable release opening in bed.....$ .50
And others having Wollensak shutters.

Passive Synchronizing Unit—$2.00. Accessory Battery-Flector bottom cover with clip (to attach Battery-Flector to "shoe" of Leica, Contax, Super Ikonta B, etc, or to Kalart Tripod Screw) ..$1.50

KALART Master Micromatic Speed Flash



ALL ADJUSTMENTS

The extremely simple mechanism of the Kalart permits convenient and accurate adjustments, which may be made for up or down positions (high or low and for right or left lighting). Master Micromatic Speed Flash is adaptable for use with Trippers of Electrical (magnetic) Type Synchronizers.

(Due to limited space we refer you to page 22 for proper selection of synchronizer for use with your camera and shutter.)

SPEED AND EASE IN OPERATION

Kalarts New Master Micromatic Speed Flash provides a means for accurately synchronizing the flash of the bulb with the action of the shutter, and may be instantly adjusted to tolerances of 1/1000 part of a second. Every conceivable improvement has been made to provide the utmost ease in operation. There is a new type Quick Change Bulb Socket with Built-in Ejector—Automatic Self Lock Base Cap—Automatic Self Locking Attachment Clip—Standard Electric Outlet for Extension Lighting.

GIVES PERFECT SYNCHRONIZATION

Hair line accuracy in timing is yours in the New Master Micromatic Speed Flash by a slight turn of the tension knob that increases or decreases the time delay between electrical contact and shutter action. The exclusive Micromatic principle remains the same, resulting in simple, smooth mechanical action. The timing stays accurate and does not vary with pressure on cable release. The same accuracy remains when your battery is six months old as when it was new. The Kalart operates with all standard types of shutters—and for all makes of flash bulbs as well.

MASTER MICROMATIC SPEED FLASH ASSEMBLY

Kalart Master Micromatic Speed Flash complete with unbreakable, hexogonal tubular tenite battery case, with chrome fittings, three 1½ volt round cell batteries, 6 inch Paraplanatic chrome plated adjustable reflector, Kalart's exclusive synchronizer unit, and rotating slide "shoe".

Order by Number 2301R Price each., complete..... $14.95

Special Model for Korelle Reflex..... $14.95

KALART FLASHING UNITS

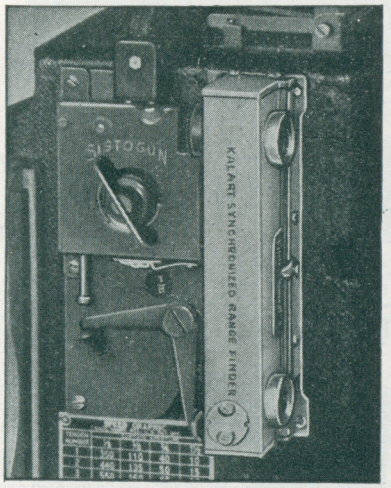
	Standard	Master
For Miniature 2¼x3¼ Speed Graphic	$6.50	$9.95
For Exakta	6.50	10.25
For Sistogun (less cord and bracket)	5.00	9.25

KALART MASTER PARTS

Kalart Micromatic Synchronizer Switch Unit only	$8.00
Kalart Master Battery Case, including batteries and slide "shoe" only	8.25
Kalart 6 inch Paraplanatic Reflector only	1.25
Kalart Slide "Shoe" only	.25
Kalart Tripod Screw with rotating "shoe" (extra)	1.25
New Kalart Extension Adapter with Built-in-Ejector for use with Midget Bulbs.	.50

Order by Number 2302R when ordering

Kalart Back Curtain Synchronizer FOR SPEED GRAPHICS

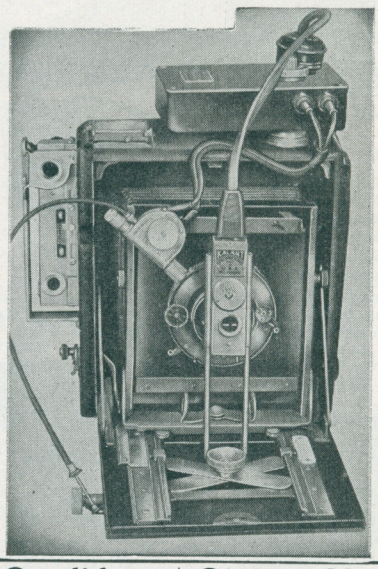


Back curtain synchronization has arrived—out of the actual day-to-day experience of working news camera men who know what news photographers must have. So simple and easy to operate, it is a source of constant satisfaction to the photographer. Sistogun is designed for use on 3¼x4¼ and 4x5 Speed Graphics . . . exerts no "braking" action whatever, and does not interfere in any way with normal camera operation, or with the use of the lens-coupled range finder. You can easily install it yourself, no holes to drill.

PRICE EACH, COMPLETE..... $12.00

Order by Number 2303R when ordering

KALART SYNCHROSCOPE



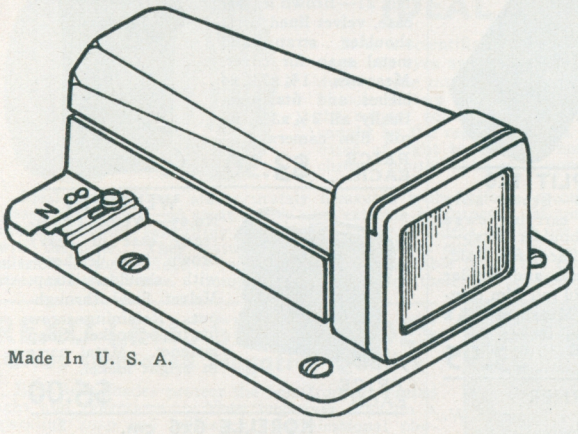
FOR VISUAL SYNCHRONIZER TESTING

The Kalart Synchroscope is an entirely new device, electrically operated from the battery case of the photoflash synchronizer. It gives a visual indication of the shutter timing in relation to flash peak intensity. This is accomplished without the use of flash bulb or other photographic materials. Means is provided for adjusting the Synchroscope for different time lag intervals associated with the various flash bulbs now on the market. No wasted film—no lost "shots"—tells at a glance whether your synchronizer is operating perfectly—whether it is "late" or "early".

PRICE EACH... $15.00

Order Number 2304R

WATSON OPTICAL VIEW FINDER



Made In U. S. A.

Adaptable to 2¼x3¼, 3¼x4¼ and 4x5 Inch Cameras with Normal Focal Length Lenses

This new Waston Tubular View Finder is of solid construction, furnished to match your lens. It is beautifully finished in black and chrome with chrome tube. The view finder mounts to the camera by means of four screws and can be attached by purchaser. Measures 2x2¾ inches.

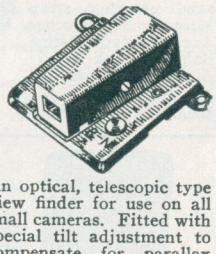
With Adjustment For Parallax Correction

Of the very latest design and with adjustment for parallax correction, the Watson View Finder affords accurate sighting of your field of view. Specify film size and focal length of lens on your camera when ordering. Can be used only with normal focal length lenses.

Price each $4.95

Order by Number 2305R when ordering

Candid View Finder

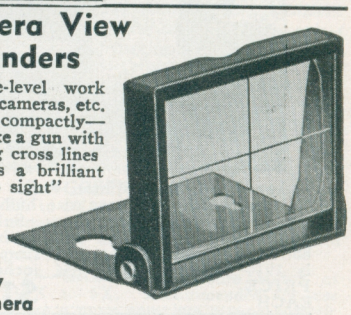


An optical, telescopic type view finder for use on all small cameras. Fitted with special tilt adjustment to compensate for parallax in close-up work. Mounts directly on top of camera. Beautiful tarnish-proof chrome finish.

PRICE EACH..... $3.00

Order Number 2307R

Camera View Finders



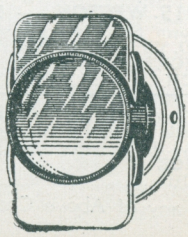
For eye-level work on view cameras, etc. Folds compactly—sights like a gun with centering cross lines It shows a brilliant "easy to sight" image.

Mounts Directly on Camera

2¼x3¼, Price each	$1.85	4x5 Price each	$2.25
3¼x4¼, Price each	$1.95	5x7, Price each	$2.75
3¼x5½, Price each	$1.95	6½x8½, Price each	$3.75

Order by Number 2306R when ordering

CLOSEOUT — GRADUATED SKY FILTERS

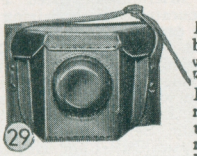


Graduated sky filters of ground and polished glass. Provide a perfect yellow graduation from clear to a 3X factor. Hold back sky portion without affecting foreground exposure and gets the clouds into your pictures. Furnished complete with mount to slip over the regular camera lens.

Approx. Size	Net Each	Approx. Size	Net Each
1 in.	$1.97	1¾ in.	$4.59
1 3/16 in.	2.39	1⅞ in.	4.97
1 5/16 in.	2.59	2 in.	5.37
1½ in.	3.39		

Order by Number 2308R when ordering

CASES AND POUCHES FOR CAMERA PROTECTION

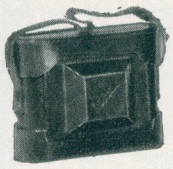


KORELLE

No. 29 — Ever-ready brown sole leather case with shoulder strap, for Korelle Reflex cameras. Has plush lining. Permits instant and ready use of camera without removal from case.
PRICE EACH..... **$7.00**

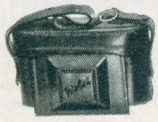
WELTINI II

No. 44A—Special Ever-ready case for Weltini Model II cameras. Of heavy tan colored sole leather with shoulder strap. Provides ample room to clear the range finder on the camera.
PRICE EACH..... **$8.00**



WATSON 35

No. 39A — Ever-ready carrying case for use with Watson 35mm. Candid camera. Made of high grade leather throughout, with shoulder strap. Case measures 4¾x2¾x1¼ inches inside.



PRICE EACH **$6.00**

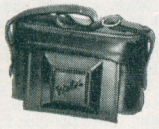
9x12 cm. PLATE

No. 22 — Black sole leather case, hand sewn, with leather shoulder strap. Fits 9x12cm. cameras that are equipped with Kalart Range Finder. Room for plate holders, etc., has plush separators.
PRICE EACH..... **$6.50**



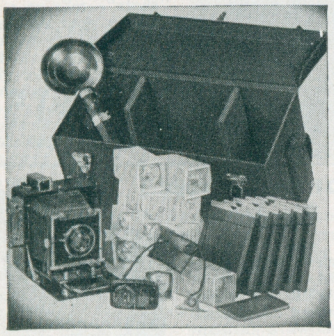
WELTI

No. 45 — Welti Ever-ready case of heavy hand sewn brown sole leather. Will also fit Retina, Dollina and similar cameras. Case measures 4¾x2¾x1¼ inches inside. Locking screw extra 60c.



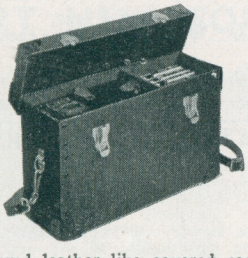
PRICE EACH **$6.50**

4x5 PRESS DE LUXE



Accommodates 4x5 size Press Camera, 12 film holders, 12 large size bulbs, flash-gun, meter and accessories. Substantial leather construction, felt lined with leather handle and canvas shoulder strap. Case is 19½ inches long by 8¾ inches deep.
PRICE EACH **$14.95**

4x5 PRESS STANDARD



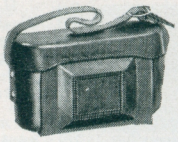
A rugged leather like covered case, size 4⅝x14½x9½ inches deep. Felt lined with space for camera, six 4x5 holders, filters, meters and other small accessories. A very useful inexpensive case. Similar to above illustration.
PRICE EACH **$4.95**

PROTECT YOUR CAMERA from Scuffs, Damage, Etc.

Besides providing a convenient means for carrying the camera, it provides real protection, absorbing the jars and jolts and taking the scuffs that would soon ruin the finish and appearance of the camera. If a case is not listed for your camera, write for price giving full description of your camera.

PERLE

No. 46—Ever-ready case for Perle, Super Sport, Weltax, Dolly, etc. Of heavy hand sewn sole leather, plush lined. With shoulder strap. Measures 3¾x3¼x1½ inches. Locking screw extra 60c.



PRICE EACH **$6.00**

WELTUR 6x6

No. 55—Ever-ready carrying case for Weltur 6x6cm. camera. Made of tan colored leather, with shoulder strap. Plush lining. Snap button fastener. Camera retaining screw fits tripod socket.
PRICE EACH..... **$8.00**



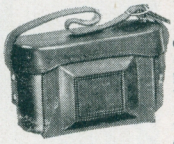
8mm. MOVIE

No. 23—Black leather carrying case with shoulder strap, will fit Stewart-Warner and Keystone 8mm. cameras. Measures 1⅞x7x4 inches. A fine quality case.
PRICE EACH..... **$3.95**



WELTAX

No. 40—Ever-ready case for Weltax camera. Made of heavy, hand sewn sole leather, plush lined. Complete with shoulder strap. Permits use of camera without removal from case. Measures 3¾x3¼x1½ inches.



PRICE EACH **$6.50**

CLOSE OUT! – MISCELLANEOUS CASES

ROLL FILM

No. 34—Tan calf skin case, unlined, with a Zipper fastener. With shoulder strap. Fits Perle, Weltax, Baldax, Argus, Leica and similar cameras. Measures 3¼x6x1¾ inches.
PRICE EACH..... **$1.75**



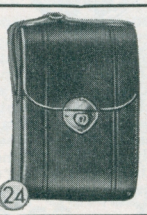
MINIATURE

No. 42—Heavy cowhide case with snap button fastener and hand carrying strap. Measures 2x3x5 inches. Accommodates Retina, Baldina, Foth Derby, Argus, Pilot, etc.
PRICE EACH..... **89c**



SPLIT 120

No. 24—Brown sole leather carrying case with shoulder strap—velvet lined, fits Baldax, Perle and similar split 120 roll film cameras. Measures 1¾x3¾x5½ inches.
PRICE EACH..... **$3.95**



STEWART WARNER

Leather fitted canvas case of 16mm. S.W. camera with shoulder strap. A real value.
PRICE EACH **$1.25**

715 WESTON — G.E. D.W.-48

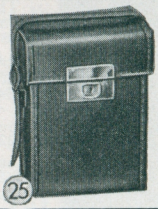
Brown Sole leather case for Weston 715 or D. W. 48 General Electric meter.
PRICE EACH **$1.50**

FOTH DERBY

Black leather case for Foth, Goldi and ½ V. P. cameras. Snap button fastener.
PRICE EACH **$1.00**

6.5x9 cm. PLATE

No. 25—Heavy sole leather case, leather shoulder strap. Fits practically all 6.5x9cm. plate cameras fitted with Kalart Range Finder, room for plate holders, etc. Velvet lined.
PRICE EACH **$5.50**



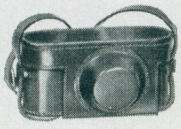
GOLDI

No. 31B — Ever-ready case for Goldi cameras, Weston Speed cameras, etc. Hand sewn, of heavy sole leather, with snap fastener and shoulder strap. Finest construction throughout. A real value.
PRICE EACH **$4.50**



LEICA

No. 30 — Ever-ready case for Leica. Of heavy hand sewn leather with snap fastener. Fits all models of Leica except FF. Plush lined. Provides ample clearance for operation of finder and operating controls.



PRICE EACH **$7.50**

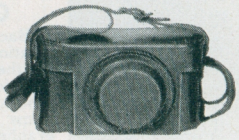
ZIPPER POUCH

No. 41—Pebble grain, soft leather, Zipper pouch. Will fit Foth Derby, Goldi and similar cameras. Finest quality. Measures 3¼x1¾x5¼ inches.
PRICE EACH..... **$1.50**



ARGUS C2

No. 59—Eveready carrying case for Argus C, and C3 cameras. Hand sewn of heavy brown sole leather with shoulder strap. Plush lining. Snap button fastener.



PRICE EACH **$5.50**

WELTUR 4.5x6

No. 48—Ever-ready case for 4.5x6cm. Weltur camera. Made of heavy brown colored sole leather, plush lined throughout. With shoulder strap and snap button fastener—camera retaining screw fits tripod socket.



PRICE EACH **$7.50**

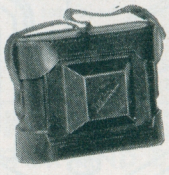
120 ROLL FILM

No. 21—Brown leather case, velvet lined, with shoulder strap and metal snap for cover. Measures 1¾x7¼x4 inches and fits practically all 2¼x3¼ in. roll film cameras.
PRICE EACH..... **$3.50**



WELTINI I

No. 44—Weltini I Ever-ready case of heavy brown sole leather—with shoulder strap. Velvet lined throughout. Retaining screw fits tripod socket. Snap fastener. Metal parts in bright nickel.



PRICE EACH **$6.00**

KORELLE 6x6 cm.

Eveready type, folding Korelle Roll film camera, with snap fastener and shoulder strap.
PRICE EACH **$4.50**

GARANT

Sole leather sheath case with key lock and shoulder strap. Fully lined.
PRICE EACH **$4.50**

RANGER

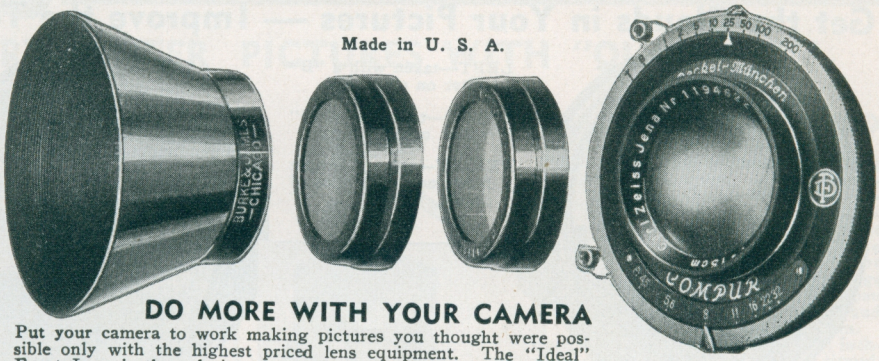
Eveready type sole leather with snap lock and shoulder strap.
PRICE EACH **$3.50**

Order by Number 2401R for any of Above Cases — Be Sure to Mention Case Number

Ideal Front Lenses and Filters

NESTING TYPE— Use One or More at a Time Over Your Regular Lens

"Ideal" Front Lenses and Color Filters provide maximum flexibility in picture making. Specially designed with an offset shoulder to slip snugly over your camera lens or over each other, thus permitting the multiple use of filters or the use of a front lens, filter and Rexo Sunshade in combination. (Sunshade is sold separately and not included in the listing below). "Ideal" Front Lenses and Filters are an important factor to any photographer in making difficult shots.



DO MORE WITH YOUR CAMERA

Put your camera to work making pictures you thought were possible only with the highest priced lens equipment. The "Ideal" Front Lens is the solution . . . make beautiful rounded portraits, difficult copy work, closeups, wide angle and telephoto shots. Burke & James, Inc., pioneered the front lens and have placed this useful accessory within the price reach of all.

DISTAR TYPE Ideal Front Lens



The complete picture illustrated at left shows image size secured when using a 5¼" lens. The small outlined inset shows the portion of the image secured when a 4X Distar type front lens is used over the regular lens.

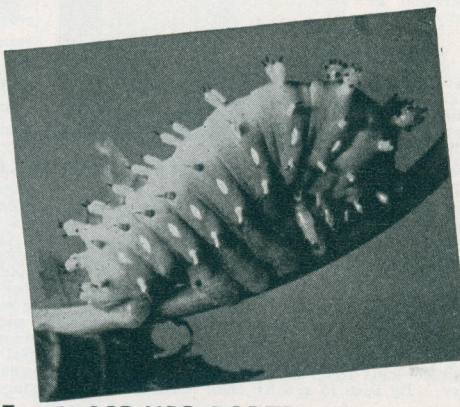
PRODUCES PERFECT TELEPHOTO EFFECTS

Distar type Ideal Front Lenses increase the focal length of your regular camera lens, thus providing an economical means of securing large images from the same camera position. Because they increase the focal length of the lens they can be used only on cameras with double extension bellows and are not adaptable to Argus, Perfex, Graflex, etc. with fixed focus or short bellows extension. Several optical strengths are available for more or less "telephoto effect". This optical strength is designated by numbers before the lens hood diameter. Thus 2X 37mm. is stronger than 1X 37mm. though both fit on a lens 37mm. in diameter. The greater optical strength naturally requires greater bellows extension. In ordering be sure to specify the exact diameter of your camera lens which the front lens slips over. Available in the following sizes.

1X 24½mm.	$3.00	2X 37mm.	$3.75
1X 32mm.	3.50	2X 42mm.	4.00
1X 37mm.	3.75	3X 24½mm.	3.00
1X 42mm.	4.00	3X 27mm.	3.00
2X 24½mm.	3.00	3X 29mm.	3.00
2X 27mm.	3.00	3X 32mm.	3.50
2X 29mm.	3.00	3X 37mm.	3.75
2X 32mm.	3.50	3X 42mm.	4.00

Order by Number 2501R when ordering

PROXAR TYPE Ideal Front Lens



IMPORTANT
When ordering Specify the exact outside diameter of lens.

The photo at left was taken with a PROXAR type front lens over a regular camera lens of a table top set-up at a distance of only 8 inches. This excellent shot shows the unusual possibilities for "close-ups" . . . ideal for portraits.
Read the description below for other possibilities of PROXAR type front lenses.

For CLOSE-UPS, PORTRAITS, WIDE ANGLE EFFECTS

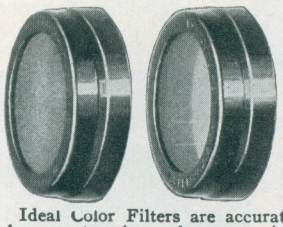
Proxar type Front Lenses shorten the focal length of your camera lens. For taking wide angles in interiors, street scenes, etc., the camera must have bellows. For portraiture, enlarged copy and table top work in close-ups, the camera need not have variable bellows. Various strengths are available and are indicated by 1X, 2X and 4X. For example 2X includes a wider area for street scenes or gives a larger image than 1X on close-up work. and 4X would have the same relation to 2X. The designations 27mm., 32mm., etc., indicate the diameter of your camera lens, which the Front Lens Slips over.

The following shows the uses of each Ideal Proxar type Front Lens, strength, diameter in mm., and prices of each. Only sizes listed below are available in "Ideal".

Portrait, Wide Angle Effects	Small Objects, Copying, Wide Angle Effects	Smaller Objects, Copying, Wide Angle Effects	Diameter Inches	Price Each
1X 24½mm.	2X 24½mm.	4X 24½mm.	1	$3.00
1X 27mm.	2X 27mm.	4X 27mm.	1 1/16	3.00
1X 29mm.	2X 29mm.	4X 29mm.	1⅛	3.00
1X 32mm.	2X 32mm.	4X 32mm.	1¼	3.50
1X 37mm.	2X 37mm.	4X 37mm.	1 7/16	3.75
1X 42mm.	2X 42mm.	4X 42mm.	1⅝	4.00

Order by Number 2502R when ordering

Leather Case to fit 24½mm. and all sizes up to 32mm. . . 50c



IDEAL COLOR FILTERS

It is a scientific fact that light rays have varying color effects upon our eyes and sensitive photographic films. In order to produce a true interpretation of these colors in photography the use of color filters become necessary. Note, below, how the use of the correct color filter has produced deep rich cloud effects not caught by the regular camera lens only. There's an "Ideal" filter listed at right to meet all normal conditions in producing monochrome photographs with correct color values.

Ideal Color Filters are accurately measured with uniform spectral cutoff. They are of laminated glass construction—of great purity and extreme brightness. Mounted in "Ideal" telescopic cells, with nesting shoulder permitting multiple mounting of filters or the use of a Rexo Sunshade in combination with the filter. They feature an extremely sharp cutoff in spectral absorption and high light transmission in their effective range. They are available in all the commonly used colors in a variety of sizes as listed below. Complete instruction for their use accompany each filter.

1—YELLOW—Exposure factor of of 3X on orthochromatic and 1½X to 2½X on panchromatic emulsions. Provides a high degree of color correction. For clouds, delicate snow shadows, etc.

2—YELLOW—Exposure factor of 5X on orthochromatic and 1½X to 4X on panchromatic emulsions. Provides fuller contrast than the above "1".

1—GREEN—Exposure factor of 3X to 5X depending upon type of illumination. Designed to correct color rendering on all the newer types of panchromatic emulsions.

2—GREEN—Exposure factor of 3½X to 6X. Recommended for use where a more complete monochromatic rendering of colored subjects is desired on panchromatic emulsions.

A—RED—Exposure factor 6X on panchromatic emulsions. Makes blue and green appear black. Provides proper contrast for subjects rich in light blue and green. Fine for dramatic sky and cloud effects, moonlight effects.

HAZE—A colorless filter that absorbs the invisible ultr-violet rays which induce haze on distance shots. Standard for outdoor use on Kodachrome, Dufay and other color emulsions. No increased exposure necessary.

16mm. (⅝")	$2.00
24½mm. (1")	3.00
27mm. (1 1/16")	3.00
29mm. (1⅛")	3.00
32mm. (1¼")	3.50
37mm. (1 7/16")	3.75
42mm. (1⅝")	4.00
Leather Case To Fit 24½mm. to 32mm.	50c

Order by Number 2504R

REXO LENS SUNSHADES
Gives Improved Negative Quality

Rexo lens shades protect the lens from unwanted light and reflections. Your negatives take on a sparkling snap and brilliancy. Professional photographers know from experience, the advantages gained in negative quality by shielding the lens from unwanted light.

Outside diam. of Lens Barrel		Price Each	Outside diam. of Lens Barrel		Price Each
⅝"	16mm.	$1.00	1½"	39mm.	$1.50
13/16"	21mm.	1.25	1⅝"	42mm.	1.60
15/16"	*24mm.	1.25	2"	51mm.	1.75
1 1/16"	27mm.	1.35	2¼"	57mm.	2.00
1⅛"	29mm.	1.35	2⅜"	60mm.	2.25
1¼"	32.5mm.	1.35	2¾"	70mm.	2.75
1 7/16"	37mm.	1.50	3⅜"	85mm.	3.50

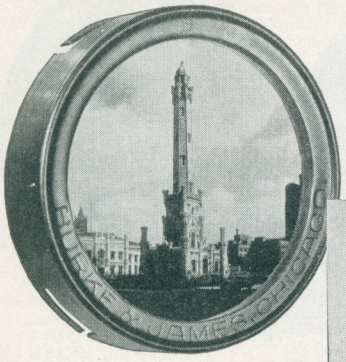
*Argus Size—F:4.5

Order by Number 2503R when ordering



REXO FILTERS FOR FINER PICTURES.

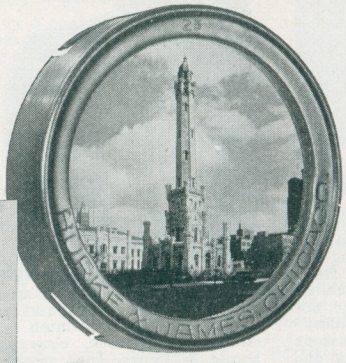
Get the Clouds in Your Pictures — Improve the Tone in Colored Subjects



LEFT—taken with a "B" filter on ortho film.

RIGHT—taken with "25" filter on pan film.

BELOW—taken without filter, notice absence of clouds.





Modern picture making technic indicates the use of filters for pictures of professional quality are to be produced. The illustration at the right shows an ordinary picture made without a filter. The sky area is a blank expanse of white. The illustration above made on Ortho film with a Series "B" yellow filter or the other made on Pan film with a red No. 25 filter shows the pictorial improvement secured by adding the clouds to the picture.

GET PROFESSIONAL PICTURE RESULTS

Rexo Color Filters provide an ideal means of photographing colored subjects to produce in monochrome, with correct color values such subjects as landscapes, clouds, flowers, painting, etc. They enable you to control contrast or tone variation between colors—to over-emphasize color contrast when desired. Their use is recommended on all subjects in which color is present. The added snap and brilliance they impart to the print along with the improvement in tone contrast makes their use indispensable, if we are to turn out pictures of professional quality.

SPECTROSCOPICALLY TESTED FOR COLOR

Rexo Color Filters are spectroscopically tested accurately measuring the color value for both value and density. They represent a distinct advance in the scientific construction of accurately measured filters. They are mounted in highly polished metal cells that cap over the regular lens of the camera, holding the filter in a perfectly parallel plane with the camera lens—eliminating possible image distortion. They may be instantly put on or removed.

REXO FILTERS ARE AVAILABLE IN YELLOW, ORANGE, GREEN, RED

Rexo Color Filters are available in all the popular used colors as follows: **GREEN X** a light green color for improved color rendering on panchromatic film. Has an exposure factor of 2 to 5X. **GREEN XX** has slightly increased density over the Series X. Gives a more complete correction on panchromatic emulsions. **YELLOW A**, light yellow for general use. Gives partial color correction, for use where short exposure is more important than full correction. Exposure factor 2X on ortho and 1½ to 2½X on panchromatic. Equals K1. **YELLOW B**, gives complete color correction on orthochromatic emulsions. Fine for cutting through haze, etc. Exposure factor 8X on ortho and 1½ to 4X on panchromatics. Equals K2. **ORANGE C**, for use with panchromatic emulsions on subjects in which red and orange colors predominate. Provides definite contrast in cloud pictures. Exposure factor 16X on ortho, 2 to 6X on panchromatics. **RED No. 25**, for use with panchromatics only. Makes blue and green appear black. Exposure factor 4X in natural light, 3½X in artificial light. **HAZE H**, a colorless filter that absorbs ultra-violet—cuts haze, etc. Standard for Dufay and similar color emulsions. No increased exposure necessary. Be sure to specify color wanted when ordering.



Ortho—No Filter



Ortho—"A" Filter

← Note the Variation in Tone Contrast

A More Natural Color is Secured With a Filter →

PRICES—any Color or Series

5/8 in. (16mm.) Price each	$1.00
7/8 in. (23mm.) Price each	$1.00
1 1/8 in. (29mm.) Price each	$1.25
1 5/16 in. (34mm.) Price each	$1.50
1 7/16 in. (36mm.) Price each	$1.50
1½ in. (39mm.) Price each	$1.75
1 5/8 in. (42mm.) Price each	$2.25
2 in. (51mm.) Price each	$2.75
2¼ in. (58mm.) Price each	$3.00
2½ in. (64mm.) Price each	$3.50
2¾ in. (70mm.) Price each	$4.00
3 in. (77mm.) Price each	$4.50

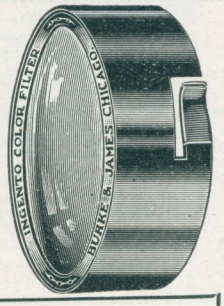
Leather Case To Fit All Sizes Up To 34mm. 50c

Order Number 2601R

REXO SUPPLEMENTARY LENSES

Make a CONVERTIBLE LENS SET with YOUR REGULAR CAMERA LENS

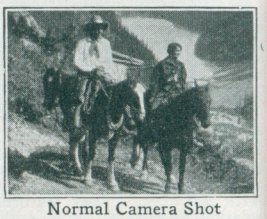
Slips Over the Regular Camera Lens for use in Portraiture Wide Angle Enlarging Copying and Telephoto Work



Now you can delve into new fields of photography. Rexo Supplementary Lenses slip on over the regular lens—changing its focus to adapt it to Portraiture, Wide Angle work, Copying, Enlarging and Telephoto work. Rexo Supplementary Lenses are available in four styles as listed below. They are made of fine optical glass, accurately ground and polished. It is not necessary to purchase a complete new lens for these special branches of photography. Your present lens coupled with the supplementary lens adapts your camera to these specialized fields of photography.

FOR PORTRAITURE

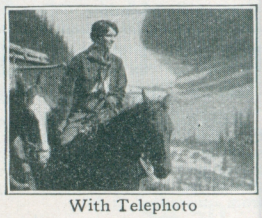
The Rexo Portrait Lens is placed in front of the regular lens and effects an optical combination that changes it from a simple lens, that normally produces negative images on a relatively small scale, to a practical quick acting portrait lens. The use of the Rexo Portrait Lens as and adjunct to the lens on your hand camera means that you are in a position to make portraits with real softness and roundness.



Normal Camera Shot

FOR WIDE ANGLE WORK

The Rexo Supplementary Wide Angle lens slips over the regular lens—changing it to a wide angle lens, enabling you to get the entire scene on the regular film. Interiors, groups and architectural subjects are easily handled. Designed to give you a maximum field, sharp to the edges without the necessity of using a drop bed. These wide angle lenses are not for fixed focus. Argus, Perfex, Graflex or other cameras having short bellows extension.



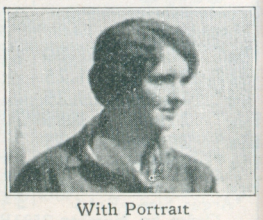
With Telephoto

FOR COPYING AND ENLARGING

Cameras that are not long focus instruments can now photograph small articles to their full size or even larger if desired. Invaluable for photographing small objects. 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.

FOR TELEPHOTO WORK

Slip the Rexo Telephoto attachment over your regular lens, extend the bellows and see the remarkably clear, large pictures you may obtain of distant objects. These Supplementary lenses are not for fixed focus, Graflex or other cameras having short bellows extension. Invaluable for pictures of birds and nature studies of life which might otherwise be frightened away.



With Portrait

SPECIFY OUTSIDE DIAMETER OF CAMERA LENS—ALSO STATE TYPE DESIRED

Diameter		Each
Argus Copy Lens		$1.00
5/8"	16mm.	1.00
7/8"	23mm. (Argus)	1.00
1 1/8"	29mm.	1.25
1 5/16"	34mm.	1.50
1 7/16"	36mm.	1.75
1½"	39mm.	2.00
1 5/8"	42mm.	2.25
2"	51mm.	2.75
2¼"	58mm.	3.25
2½"	64mm.	3.75
2¾"	70mm.	4.00
3"	77mm.	4.50

Leather Case To Fit All Sizes Up To 34mm. 50c

Order Number 2602R

TRIPODS The Foundation For Good Pictures

STURDIER SUPPORT—BETTER PICTURES WITH "QUICK-SET"

THE STRONG HANDSOME "SENIOR" A QUICKSET TRIPOD LEADER

Here's a heavy tripod—the heart's desire of any photographer. Tripod legs 3-section. Extended 60½ inches; telescoped 22¾ inches. Rubber tips. Wt. 4 lbs. Finished in satin aluminum and black lacquer.

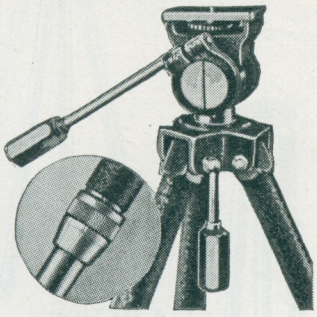
SENIOR TRIPOD ONLY, Price each..... **$14.50**

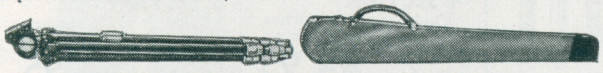
SENIOR PAN HEAD ONLY, Price each.....$9.00

SENIOR TRIPOD and PAN HEAD.....$22.50

Carrying case of tan twill cloth with fabrikoid reinforced seams and bottom boot, zipper top..$3.00

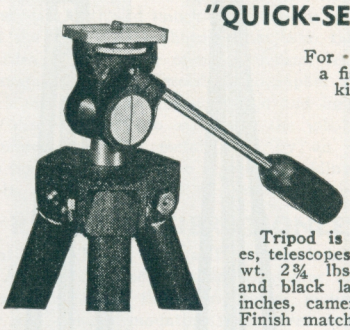
PROFESSIONAL PAN HEAD—height 3½ inches. Camera plate 4x5½ inches felt covered. Handle 8¼ inches long. Wt. 2 lbs. Satin aluminum and black lacquer finish. Price each..$11.50





Specify Number 2701R when ordering

"QUICK-SET" JUNIOR TRIPOD



For those good cameras costing a fistful of dough, don't be so unkind as to choose a wobbly stumblebum tripod that will blow over or collapse in a slight summer breeze. The "QUICK-SET" Junior telescopes quickly; legs lock firmly, and the pan head lets you swing and sway as fancy dictates.

Tripod is 3-section, extends to 57 inches, telescopes to 21½ inches. Rubber tipped, wt. 2¾ lbs. Finished in satin aluminum and black lacquer. Pan head height 2¾ inches, camera plate 1x2 inches, wt. ¾ lb. Finish matches tripod.

JUNIOR TRIPOD ONLY, Price each.....$ 9.75

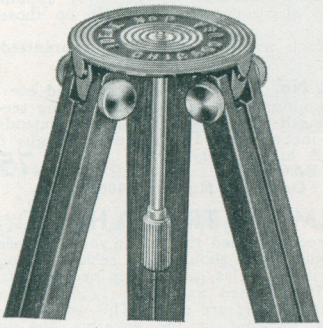
JUNIOR PAN HEAD ONLY, Each..... 6.00

TRIPOD and PAN HEAD combined..... 15.00

Carrying case for above, tan twill cloth with fabrikoid reinforced seams, zipper top $2.50

Specify Number 2702R when ordering

IDEAL "A" TRIPOD



The Ideal "A" Tripod has a light metal head, 3 inches in diameter. A long tripod screw, simplifies mounting to the camera. Strong enough to support a 5x7 view camera, yet graceful enough to look good with a miniature camera. The two extension legs raise to 58 inches and telescope to 32 inches. Light weight wood construction with metal parts finished in bright chrome. Weight 5½ pounds.

Order by Number 2703R

PRICE EACH $5.95

THE "DADDY LONG LEGS" OF THEM ALL



Here's the camera support with some added leg length for adventures on high with your picture making.

Tripod legs, 4-sections. Extended 82 inches; telescoped 23¾ inches. Top section 1 inch diameter, middle section ⅞ inch diameter, lower section ¾ inch diameter, bottom section ⅝ inch diam. with rubber tips. Weight 4½ pounds. Finished in satin aluminum and black lacquer. Hi-Boy Tripod and Senior Pan Head combined 28½ inches when telescoped.

HI-BOY TRIPOD ONLY, Price each..... **$19.00**

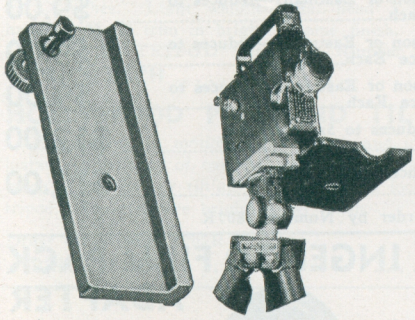
SENIOR PAN HEAD ONLY, Price each.....$9.00

HI-BOY TRIPOD and SENIOR PAN HEAD.....$27.00

CARRYING CASE—tan twill cloth with fabrikoid reinforced seams and bottom boot, zipper top.....$3.00

Specify Number 2704R when ordering

TRIPOD ADAPTER PLATE FOR YOUR MAGAZINE CINE KODAK



FOR ALL QUICK-SET TRIPODS

Here's the answer to your problem of mounting your Eastman Magazine Cine. Kodak on "QUICK SET" Pan Heads. It is quickly attached and permits the door of the camera to be opened for changing magazine without removing the camera from the Pan Head. A handy, durable device for better movie making.

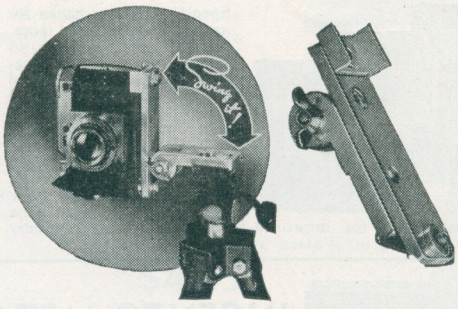
AN AID TO BETTER MOVIES

Length 3¾ inches, width 1½ inches. Wt. 3 oz. Finished in polished aluminum and black lacquer. Sturdy construction. Holds camera securely. For Eastman Magazine Cine Kodak only. Fits all "Quick-Set" pan heads.

Price, Each $2.00

Specify Number 2705R when ordering

SWINGING TRIPOD HEAD



FOR INSTANT VERTICAL—HORIZONTAL ADJUSTMENT

Good photographers know that the difference between a "good" picture and a salon entry is largely a matter of viewpoint.

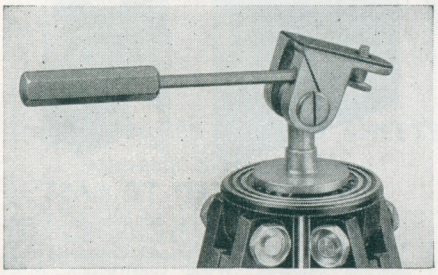
Shoot from every angle with "QUICK-SET" Swingtop. Stand your minicam on end or lock it in position at any point on the circle. The Swingtop is adjstable to fit Leica, Contax, and all popular small cameras, and is used with a panhead or tripod.

Mounts directly on your regular tripod head, fits all tripods having a head not over 3½" in diameter. Change from vertical to horizontal composition instantly. Camera plate measures 4½x1¼ inches. Weight 7 ounces. Finished in satin aluminum and chrome plate. Does not include tripod or cameras.

Price, Each $5.00

Specify Number 2706R when ordering

HOLLYWOOD PAN AND TILT HEAD



•

360° PAN

90° TILT

•

For an easy, jar and jolt free, panoraming and tilting action in movie making. A slight turn of the extended tilt arm locks both tilt and pan action. Ideal for still pictures, permitting instant change of camera position from vertical to horizontal. Red plastic handle. Camera mounting screw is set at front of unit for easy accessibility. Made of a new wear proof aluminum alloy, highly polished.

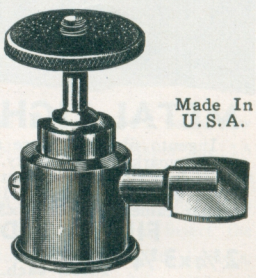
PRICE EACH $4.95

Specify Number 2707R when ordering

REXO SWIVEL TRIPOD HEAD

RIGHT ANGLE TILT
UNIVERSAL SWIVEL
CHROME FINISH

•



Made In U.S.A.

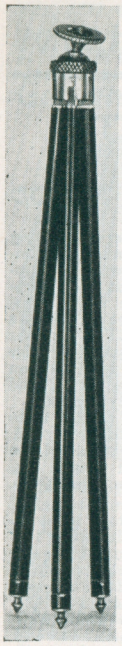
Mounts directly on top of tripod, providing a universal adjustment of camera position. Permits camera to be rotated through a complete circle or tilted to a full vertical position. Accurately machined and fitted, having a heavy ball and socket joint which may be rigidly, fixed in any desired position by a thumb screw friction lock. An indispensable accessory for the serious minded operator striving for those popular angle shots.

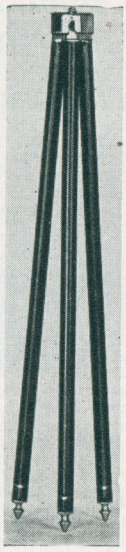
PRICE EACH $1.00

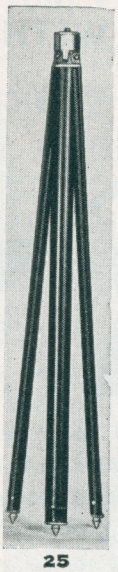
Specify Number 2708R when ordering

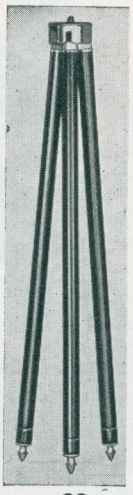
FOLDING TRIPODS

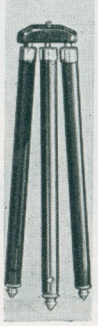
FOR ALL HAND CAMERAS


17-5

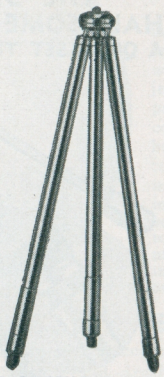

21


25


29


39

American Made All Metal Folding Tripods Chrome Finish



An exceptional value in an American made, all metal, folding tripod for still cameras. Legs are in telescoping sections, accurately fitted to one another for smooth, easy operation. Of finest tubular brass construction, attractively finished in tarnish proof chrome. Design provides for utmost rigidity assuring freedom from camera movement or vibration during exposure.

4 SECTION
Folds to 15½ inches, extends to 46 inches.
Price Each .. $3.95

5 SECTION
Folds to 15½ inches, extends to 52 inches.
Price Each .. $4.95

Order by Number 2805R

An exceptionally complete stock of all types of tripods for use with hand cameras is carried. They are all modern in design, of substantial construction and attractively finished. Better negatives are assured when you set your camera on a Rexo tripod.

The serious worker will find a good tripod indispensable for the production of perfect negatives when exposures in excess of 1/50th second are required. A good tripod holds the camera steady—permits accurate focusing and makes critically sharp negatives possible on those subjects that require longer exposures.

In the wide assortment of tripods shown here, you will find just the type for any particular need. Each number listed is of guaranteed quality—accurately constructed and perfectly finished.

MODEL No. 17-5 Substantially constructed with brass legs in five telescoping sections. Length when closed 18½ inches; extends to 62 inches. Ball and socket swivel head with knurled ring friction lock. Weight 30 ounces.
PRICE EACH $6.75
Order by Number 2801R

MODEL No. 21 Constructed of brass in four sections. Length when closed 16 inches; extends to 48½ inches when fully opened. Highly nickel plated head in triangular shape. Weighs only 18 oz. A real value.
PRICE EACH $3.25
Order by Number 2802R

MODEL No. 25 Of extra compact design. Aluminum legs in four sections, triangular shaped to nest compactly. Length when closed 15½ inches; extends to 47½ inches when fully opened. Weighs 20 ounces.
PRICE EACH $4.50
Order by Number 2803R

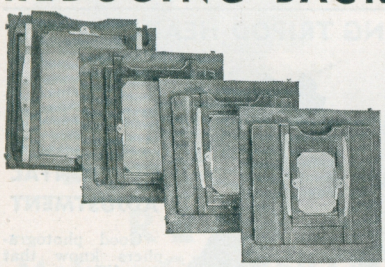
MODEL No. 29 Extra thin brass legs in five telescoping sections. Length when closed 14½ inches; extends to 47½ inches when fully opened. The head is triangular shaped and highly nickel plated. Weigh 21 ounces.
PRICE EACH $3.95
Order by Number 2804R

MODEL No. 39 Extremely small and compact .Aluminum legs in seven telescoping sections. Length when closed 9¼ inches; extends to 45½ inches when fully opened. Weighs 8 ounces. A high quality tripod.
PRICE EACH $7.75
Order by Number 2806R

FORM THE TRIPOD HABIT

It is recommended that when you purchase your camera you should also select a good steady tripod. It is particularly necessary to use a tripod when exposures 1/50th of a second and longer are made. This will eliminate any blurring of the negative due to camera movement or vibration.

REDUCING BACKS FOR VIEW AND PORTRAIT CAMERAS



Special reducing backs for use on portrait and commercial view cameras to reduce the size of negative. Finely constructed of kiln dried hardwood and fitted with high tension long lived springs, and attractively finished. Every studio operator should have one on hand. Operating with the same camera lens the use of a small negative size provides for improved perspective—plus economy in film. The 5x7 backs will fit Watson and Eastman cameras.

For 8x10 Cameras (2D Eastman)—reduces to 5x7 inches. Price Each $12.00

For 5x7 Cameras (Watson or Eastman)—reduces to 4x5 inches. Price Each $9.00

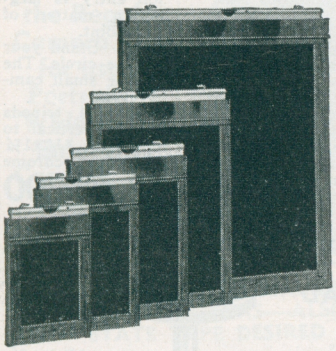
For 5x7 Cameras (Watson or Eastman)—reduces to 3¼x4¼ inches. Price Each $9.00

For 5x7 Cameras (Watson or Eastman)—reduces to 2¼x3¼ inches. Price Each $9.00

11x14 Korona Back—reduces to 5x7 inches, Price Each $12.00

11x14 Seneca Back—reduces to 5x7 inches, Price Each $12.00

Order by Number 2807R



INGENTO METAL EDGE
Film and Plate Holders

Ingento Plate and film holders feature a new metal light trap strip that adds years of useful life to the holder. The holders proper are made of selected, seasoned cherry wood in a special dovetail construction that provides maximum strength with unusual durability. The unique light trap arrangement prevents fogging of the film while inserting or drawing out the slide. Perfectly suitable for use with color film due to precision construction. Film holders are fitted with channelled edge rebates simplifying loading in the darkroom. Hinges are made of a special durable material to assure long life.

METAL LIGHT-TRAP-FLEXIBLE SLIDES

Ingento film slides are made of a special opaque material combining unusual strength with remarkable flexibility. Edges will not fray out or swell. The slide channel is accurately formed to prevent binding or sticking. Slides are metal capped at the top with rolled edge for gripping. Ingento holders will fit Eastman, Agfa, Korona, Deardorf and similar cameras. The 2¼x3¼ will fit the new miniature speed graphic.

FILM HOLDERS

2¼x3¼	Inch Size, Price, each	$2.50
3¼x4¼	Inch Size, Price, each	$2.50
4x5	Inch Size, Price, each	$2.50
5x7	Inch Size, Price, each	$2.65
8x10	Inch Size, Price, each	$3.75

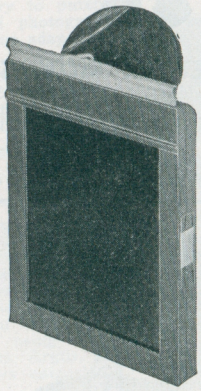
PLATE HOLDERS

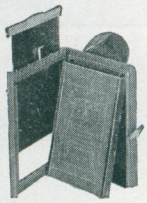
3¼x4¼	Inch Size, Price, each	$2.50
4x5	Inch, Price, each	$2.50
6½x8½	Inch, Price, each	$2.50
8x10	Inch, Price, each	$3.75

Order by Number 2808R

INGENTO FILM PACK ADAPTER

FOR WATSON SPEED GRAPHIC EASTMAN AND KORONA CAMERAS





CONSTRUCTED TO LAST

Hinge type film pack adapter in three popular sizes, 2¼x3¼, 3¼x4¼ and 5x5. Fits Speed Graphic, Watson, Eastman, and Korona cameras. Wood construction with metal light trap. Heavy materials for durability.

2¼x3¼	Price each	$3.00
3¼x4¼	Price each	$3.25
4x5	Price each	$3.50

Order by Number 2809R



Illustration Shows the B & J Press Camera Mounted on An Ideal "A" Tripod

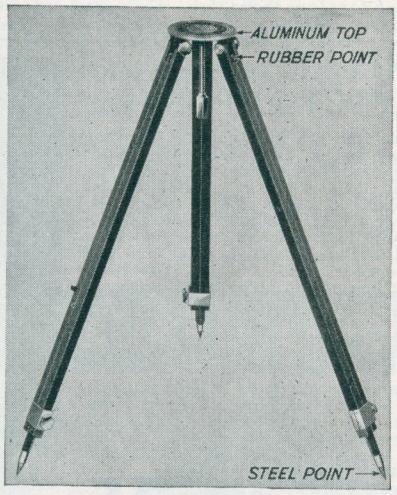
IDEAL "A" TRIPOD

FOR STUDIO, COMMERCIAL AND ALL AROUND USE . . .

This special Ideal "A" Tripod has been designed and built for the man who demands nothing short of the finest in equipment. Its built in, rugged resistance to everyday wear and knocks has made it a favorite with the home portrait worker and the commercial photographer who takes his tripod along on every job. The Ideal "A" Tripod offers structural features that appeal to both the advanced amateur and commercial photographer alike. It will hold the largest cameras rock steady. Its compact design and light weight make it conveniently portable — easy to carry to and from the job. The straight grain hardwood legs, are mounted to the metal head by an adjustable friction joint with special stop bosses that eliminate accidental folding or spreading. Large knurled tension knobs take up the wear of normal use, assuring a long useful life.

EXTRA RIGID — VIBRATIONLESS

The Ideal "A" Tripod has a light metal head measuring three inches in diameter. A long extension handle terminates at the center of the head in a tripod screw, simplifying the operation of mounting the camera. This extra accessibility and camera mounting ease saves invaluable time on the job. In the Ideal "A" Tripod you have the structural strength to support a bulky 5x7 camera and the grace and delicacy of line to make it look good with a 2¼x3¼ inch camera — and regardless of the size of camera, you can depend upon the Ideal "A" to support it rock steady and vibrationless through the longest exposure.



REVERSIBLE LEGS

The extension legs of the Ideal "A" Tripod are reversible. One end is tipped with pointed steel for use outdoors and on all types of rough surfaces. The other end of the legs is tipped with oversize rubber bumpers that will not mar the finest floor, yet give you perfect traction on all smooth skiddy surfaces. Reversing the legs takes but an instant. Its a double service feature of the Ideal "A" Tripod. The large knurled knobs that control the leg adjustment operate a friction device that holds the leg in a viselike grip at any desired height — and once set, they will not slide or get out of adjustment.

QUICK ADJUSTING

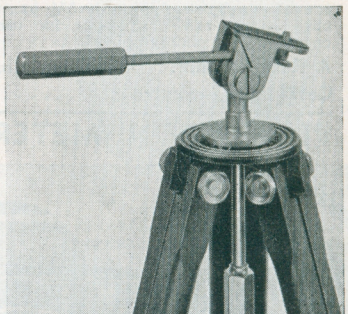
The legs of the Ideal "A" Tripod are of two section design. The extendable section telescopes into the fixed section, permitting instant adjustment to any height up to 58 inches. With the legs fully telescoped, the unit folds compactly to an overall length of 32 inches. Adjustments for height and leveling off are conveniently and quickly made, as only one adjustment knob is employed on each leg. The adjustment knob is of large oversize construction for easy operation.

FOR PROFESSIONAL AND HAND TYPE CAMERAS

Complete tripod as described above. Provides an overall extension of 58 inches, folds compactly to 32 inches. Light weight metal head 3 inches in diameter, with extended camera threading handle. Metal trim in bright chrome finish. Weight 5½ pounds.

IDEAL "A" TRIPOD Order by Number 2901R

PRICE EACH $5.95



HOLLYWOOD PAN AND TILT TEAD

A necessity in motion picture work and ideal for use with all types of still cameras. Permits instant adjustment of camera, up, down or side ways. Extended handle provides adjustable resistance in panning or tilting — and permits locking at any desired angle. May be mounted on any tripod. In attractive bright metal finish.

Order by Number 2902R

PRICE EACH $4.95

HOLLISTON PHOTO BACKING CLOTH



A splendid adhesive for backing photographs, prints and blue prints. In just one operation it produces neat cloth-backed photographs which are flexible, yet firm. They will not curl or fray. The standard fabric, white with one side adhesive for general use.

IN PACKAGES OF 100 SHEETS

(Minimum Order 100 Sheets)

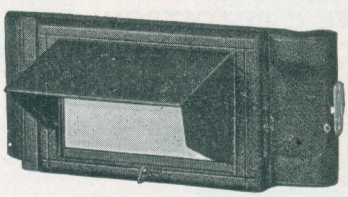
9x12 INCHES, PER 100 SHEETS	Net	$ 2.30
11x14 INCHES, PER 100 SHEETS	Net	3.25
12x17 INCHES, PER 100 SHEETS	Net	4.30
12x18 INCHES, PER 100 SHEETS	Net	4.55
18x24 INCHES, PER 100 SHEETS	Net	8.90

IN ROLLS, 36 INCHES WIDE

10 YARD ROLL (36 INCHES WIDE)	Net	2.80
40 YARD ROLL (36 INCHES WIDE)	Net	11.00

Order by Number 2903R

AGFA CUT FILM ADAPTER BACKS



The cut film back will introduce you to a new realm of picture-taking pleasure. It adapts the 1A Agfa Roll Film Camera to accept cut film. Fitted with a spring type ground glass focusing panel, with hood, the back need not be removed to insert the holder. Accommodates double 2½x4¼ film holders. Complete back with ground glass focusing panel and one film holder.

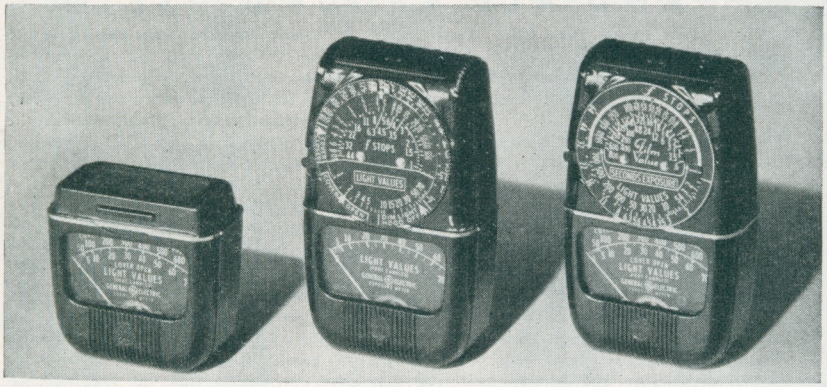
PRICE EACH $1.75

2½x4¼ Cut Film Holders. Extra 75c

Order by Number 2904R

GENERAL ELECTRIC EXPOSURE METERS

THE INDISPENSABLE CAMERA ACCESSORY



Shows meter with hood removed which exposes cell for utmost sensitivity as required for accurate reading when using the incident light method in dimly lit interiors, etc. Calculator is read as usual but meter is pointed at camera from subject.

Model DW49. Designed to provide the utmost convenience to the cine user. Provides direct readings covering all standard camera speeds without the need of conversion tables or mental calculations.

Model DW48. Designed to provide readings for all standard film and shutter speeds at any lens stop. Extremely sensitive. This meter may also be used for Cine work at all regular cine exposure speeds.

For movies and stills. Film speed up to 800 Stops from F:1 to F:44; shutter speeds from 100 seconds to 1/2500th second. Simplified calculator with locking device. Designed for one-hand operation. Single scale, marked from 0 to 70, covers brightness range from .05 to 1700 candles per square foot New Model. Type DW-48 and DW-49.

NOTE THESE FEATURES

ONE HAND OPERATION—for either hand.
SENSITIVITY RANGE—.05 to 1700 candles per square foot.
READING EASE—large figures for accuracy.
SINGLE SCALE—covers 3 ranges of sensitivity.
ACCURACY—measures light in foot candles.
STURDINESS—built for life-time service.

TYPE DW-48 STILL TYPE

For use in all types of still photography. A real time and film saver.
PRICE EACH **$21.00**

TYPE DW-49 CINE TYPE

Designed for use in Cine work. Gives direct reading for all camera speeds.
PRICE EACH **$21.00**

SPECIAL CONVERSION HOOD

Extra hood converts standard DW-48 meter to DW-49 cine type.
PRICE EACH **$4.50**

Sole leather case for above meter $1.50
Order by Number 3001R when ordering

PICTURES LIKE THIS THROUGH PERFECT EXPOSURE

EOS You can take pictures like this—holding that fine texture and detail over a wide contrast range—if you expose your negative correctly. Correct exposure is the first step to a perfect picture—and an Eos Exposure Meter is a first step to correct exposure. The Eos meter operating with a highly sensitive photo-electric cell is scientifically designed to measure light and its relation to lens stops, exposure times, film speeds, etc. It may be used to measure the general light reflected by a pastoral scene—or it may be used to measure highlights and shadows separately, enabling you to arrive at an exposure speed that assures retention of the full tone scale of your subject within the ability of the film to carry it. Also use the Eos when enlarging—it provides you with a standard gauge for timing the exposures.

SUPER SENSITIVE—DIRECT READING

In operation you point the Eos meter at the subject to be photographed. Set the film speed opposite the meter reading—and read off directly the time of exposure necessary for any lens stop—or the lens stop to be used at any exposure speed. The meter covers film speeds in both Weston and Scheiner ratings—exposure times from 120 seconds to 1/1000th and lens stops from F:1.4 to F:22. Meter is extremely small, weighing only 3½ oz., measuring only 2x2x1 inch. Suitable for use in both cine and still photography.

A Real Bargain. Order by No. 3002R

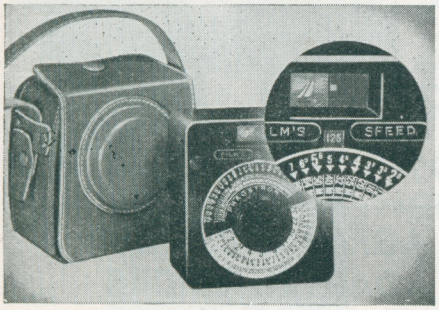
$7.75

Carrying Case extra.....75c



- HIGHER ACCURACY
- WIDER SCALE RANGE
- EXTRA SENSITIVE CELL
- FOR STILLS OR MOVIES
- SMALLER—MORE COMPACT

PHAOSTRON METERS



MODEL C PHAOSTRON

A most versatile and advanced type of meter extremely sensitive to low light values. Permits readings to be made of any part of subject from camera position. Covers diaphragm opening of F:1.5 to F:32 in 1/3 stop calibrations—shutter speeds range from 1 to 800. The extreme accuracy of this meter makes it ideal for use in color photography. Case measures 2⅛ x 2-1/3 x 1⅜ inches. Furnished complete with case.

PRICE EACH ONLY **$8.50**

Order by Number 3003R when ordering

MODELS A and B PHAOSTRON

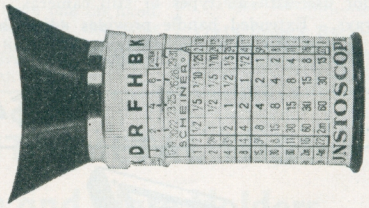
A practical, high efficiency light measuring meter that provides remarkable sensitivity—affording extremely accurate readings from a mere match flame to brilliant sunlight. Phaostron operates on the principle of employing variable calibrated light to match the unknown quantity of light that eminates from the scene to be photographed. Covers the full range of F: stops from F:1.5 to F:32—exposure speeds from 1/1200th to 100 seconds. Weston film speeds from 1 to 500. Two models are available, Model A for still and movie work; type B for still work only.

PRICE EACH **$6.00**

Case extra $1.50
Order by Number 3004R when ordering

• INSTOSCOPE • EXPOSURE METERS

Imported Model



The outstanding achievement of the INSTOSCOPE design is the complete avoidance of anticipated reading. The measurements are positive and definite. The light values, as observed in the meter, are expressed in a succession of letters, arranged in the same ingenious and purposeful manner as the optician's test chart. This arrangement will necessarily forestall the guessing at, or the forcing of any well known and habitually memorized successive symbol or number, and correct possible errors of over reading.

Five seconds of observation will enable you to secure correct reading. Covers films or plates from 16 to 30 degrees Scheiner and lens apertures from F:2 to F:22. Exposure times from 30 minutes to 1/1000th of a second.

INSTOSCOPE for Still Cameras

Designed for still camera work. Calibrated for exposures of 30 minutes to 1/100th part of a second.

PRICE EACH, ONLY..... **$2.00**

Same As Above Made In U. S. A.....$2.25
Order by Number 3005R when ordering

INSTOCINE FOR MOVIES

Designed for motion picture work. Calibrated for all commonly used frames per second camera speed, at all lens stops.

PRICE EACH, ONLY..... **$2.00**

Order by Number 3006R when ordering

PRACTOS EXPOSURE METER



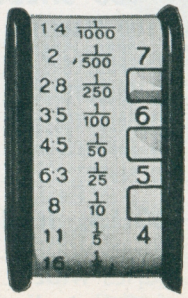
An extinction type exposure meter that indicates instantly without calculations the exposure time necessary for any subject when using a lens stop of F:6.3 and a film speed of 20 degrees Scheiner. Conversion to other stops or speeds is secured instantly by revolving the calibrated bands.

The Practos Meter is suitable for use on both still and movies. A special revolving ring is provided for cine readings. Operates with equal efficiency in either natural or artificial light.

Complete with case.. $1.50

Order by Number 3007R when ordering

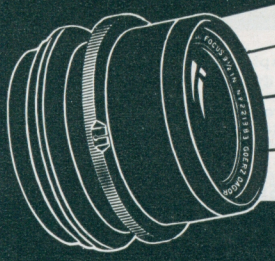
LEUDI EXPOSURE METERS with WESTON FILM RATINGS



The new U. S. A. made extinction type meter, now available with standard Weston Film ratings. May be used for both stills and movies. Covers wide light range — all standard film and shutter speeds, etc. Complete with instructions and case.

PRICE EACH ... $2.25

Order by Number 3008R when ordering



Lenses

FROM THE WORLD'S FINEST MANUFACTURERS

HOW TO SELECT A LENS

A good lens is the one item in your kit of photographic tools that exerts the greatest influence on the quality of the work you produce. A good lens keeps paying you dividends—in the form of better negatives, as long as you use it, and after years of use its value remains constant When selecting a lens consideration should be given first to the size of film we will employ; second to the type of picture we will most generally be taking and third to the design and length of the bellows on the camera. The focal length of the lens selected should be approximately equal to the diagonal of the film being used (except with wide angle lenses) as this provides a normal angle of view and good perspective of the subject.

TO FIND THE LENS FOR YOUR PURPOSE

In the lens listings on the following pages they are grouped into classifications such as Anastigmats, Portrait lenses, Wide Angle Lenses, etc. The anastigmats are for use in commercial work where image definition and sharpness are most essential. Portrait lenses are for portraiture, etc. Preceeding each group a detailed description of the lenses will be found.

THE QUALITY GUARANTEE

The lenses listed here are both new and used, but all have been tested and are guaranteed perfect. Importation restrictions have cut the supply source on many types of lenses and when available stocks are disposed of, we cannot guarantee deliveries.

10 DAY TRIAL ALLOWED

To assure your complete satisfaction with any lens you select, a 10 day trial period is allowed. If for any reason it does not measure up to your expectations, you are at liberty to exchange it for another lens or return for full credit. All returns must be made within trial period — we assume no responsibility beyond this time. All of the indicated shutter speeds have the manufacturer's ratings — these are approximate — we cannot guarantee speeds.

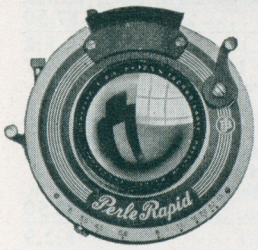
ALL STANDARD MOUNTINGS

The lenses listed here are available in all standard types of mounts as specified in each lens listing. Lenses in barrels with iris diaphragms are for use on cameras equipped with independent shutters or enlargers. Lenses that are mounted in shutters are ready for use when mounted on camera. Below are listed some of the more popular types of shutters with details regarding exposure speeds, etc.

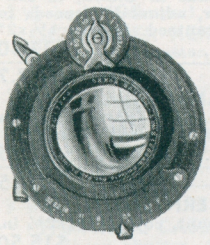
All returns must be made within trial period — we assume no responsibility beyond this time. All of the indicated shutter speeds have the manufacturer's ratings — these are approximate — we cannot guarantee speeds.

Wollensak
Bausch & Lomb
Carl Zeiss
Dallmeyer
Voigtlander
Cooke
Krauss
Eastman
Ilex
Laack
Schneider
Spencer
Rodenstock
Goerz
Graf
Steinheil

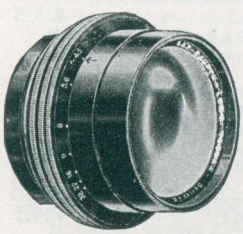
REPRESENTATIVE STANDARD LENS SHUTTERS



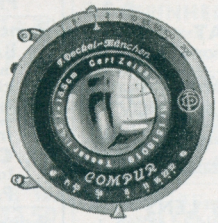
Perle Rapid
Provides exposure speeds from 1 second to 1/100th sec. (some models to 1/200th or 1/250th second) time and bulb.



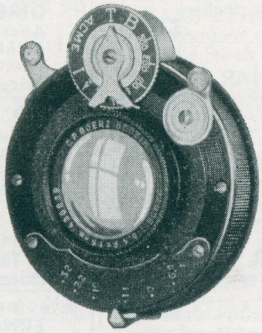
Ilex General
Provides exposure speeds from 1/5th second to 1/100 second, time and bulb.



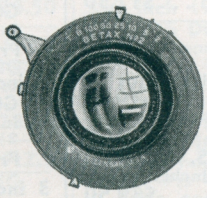
Barrel Mounting
Provided with iris diaphragm and lens flange for mounting.



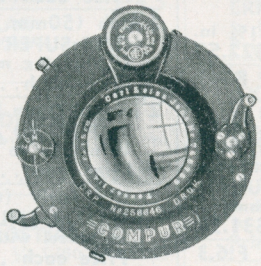
Compur Ring Set
Provides exposure speeds from 1 second to 1/150th second (some models to 1/200th) and time and bulb.



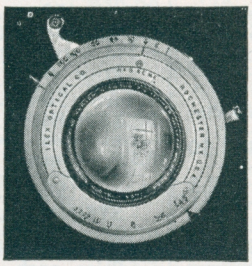
Acme Shutter
Provides exposure speeds from 1 second to 1/300th second, time and bulb.



Betax Shutter
Provides exposure speeds of 1/5th to 1/100th second (some models ½ to 1/100th second) time and bulb.



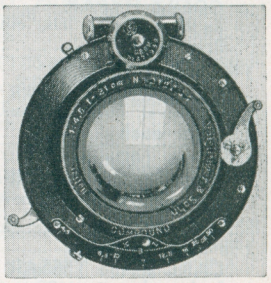
Compur Regular
Provides exposure speeds from 1 second to 1/150th second (some models to 1/200th) and time and bulb.



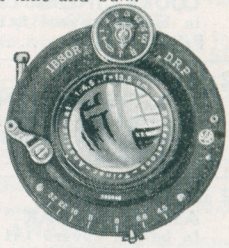
Universal
Provides exposure speeds from 1 second to 1/100th second, time and bulb.



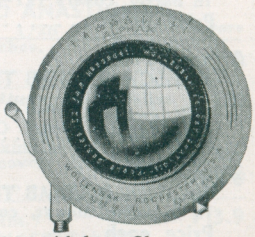
Gammax Shutter
Provides exposure speeds from 1/10th to 1/100 second, time and bulb.



Compound
Provides exposure speeds from 1 second to 1/100th sec. (other models to 1/50th and 1/75th) and time and bulb.



Ibsor Shutter
Provides exposure speeds from 1 second to 1/150th second (some models to 1/100th second time and bulb.



Alphax Shutter
Provides exposure speeds from 1 second to 1/100th second, time and bulb. Also 1/200th on some models.

QUALITY LENSES ARE A GOOD INVESTMENT

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

In this general classification of lenses will be found those types used in all general photographic work. They are all of the anastigmat formula and are recommended for commercial work where a lens of good definition is required. In the shorter focal lengths they are used on miniature cameras, enlargers, etc. In the longer focal lengths they are used on all types of hand cameras—and in the larger sizes they are used on portrait, view and commercial cameras. In the extremely long focal lengths they are ideal for use on photostat machines, copying cameras, etc. Lenses for portrait work, wide angle, telephoto and other specialized forms of photography will be found listed in the other classifications that follow.

⅝ inch (15mm.) F:2.7
ZEISS TESSAR
In barrel, covers ¼x½ inch.
Price each.....$22.50

⅞ inch (20mm.) F:3.5
WOLLENSAK ANASTIGMAT
In screw barrel without iris, covers 16mm.
Price each.....$1.95

1 inch (25mm.) F:2.5
STEINHEIL CASSAR ANASTIG.
In barrel, covers ¾x¾ inches.
Price each.....$14.75

1⅓ inch (32mm.) F:4.5
BAUSCH & LOMB MICRO TESSAR
In barrel with iris, covers 1x1 inches.
Price each.....$29.50

1⅜ inch (35mm.) F:2
HUGO MEYER KINO PLASMAT
In barrel, covers 1x1¼ inches.
Price each.....$32.50

1⅜ inch (35mm.) F:3.5
CARL ZEISS TESSAR
In focusing mount, covers 35mm.
Price each.....$38.50

1⅜ inch (35mm.) F:3.5
CARL ZEISS TESSAR
In barrel with iris, covers ¾x1 inch.
Price each.....$29.50

1½ inch (40mm.) F:3.5
RUO KINO ANASTIGMAT
In focusing mount. Covers ¾x1 inch.
Price each.....$13.50

1⅝ inch (41mm) F:2
DEPTHAR, (U. S. A.)
In barrel with iris, covers 35mm.
Price each.....$29.50

1⅝ inch (40mm.) F:3.5
GOERZ HYPAR
In barrel with iris, covers 1x1¼ in.
Price each.....$22.50

1⅝ inch (40mm.) F:2.7
CARL ZEISS TESSAR
In barrel, covers 35mm.
Price each.....$37.50

1⅝ inch (40mm.) F:3.5
CARL ZEISS TESSAR
In focusing mount, covers 35mm.
Price each.....$31.50

1⅝ inch (40mm.) F:6.3
CARL ZEISS TESSAR
In barrel, covers 35mm.
Price each.....$15.00

1⅞ inch (47mm.) F:2.5
COOKE CINEMA LENS
In barrel, covers 1x1¼ inches.
Price each.....$27.50

2 inch (50mm.) F:3.5
ANASTIGMAT LENS
Imported lens in shutter with iris diaphragm, covers 1½x1½ inches.
Price each.....$13.50

2 inch (50mm.) F:2.3
ASTRO TACHAR
In barrel, covers 1x1½ inches.
Price each.....$39.50

2 inch (50mm.) F:3.5
BAUSCH & LOMB TESSAR
In barrel, covers 1x1½ inches.
Price each.....$22.50

2 inch (50mm.) F:3.5
BAUSCH & LOMB TESSAR
In self-cocking shutter, covers 1x 1½ inches.
Price each.....$24.50

2 inch (50mm.) F:3.5
BAUSCH & LOMB TESSAR Ic
In focusing mount, covers 1½x2 in.
Price each.....$25.50

2 inch (50mm.) F:4.5
ENLARGING ANASTIGMAT
In shutter with iris diaphragm, covers 1x1½ inches.
Price each.....$8.95

2 inch (50mm.) F:3.5
ERNEMANN "ERNON"
In barrel mount, covers 1x1½ in.
Price each.....$17.50

2-2/5 inch (60mm.) F:2
ERNEMANN ERNOSTAR
In barrel with iris, covers 35mm.
Price each.....$44.50

2⅜ inch (60mm.) F:6.8
GOERZ DAGOR (WIDE ANGLE)
In Compur shutter, covers 2x3 inches.
Price each.....$44.50

2 inch (50mm.) F:2.7
GOERZ HYPAR
In Betax shutter ½-1/100 second. Covers 1x1½ inches.
Price each.....$29.50

2 inch (50mm.) F:3.5
GOERZ HYPAR
In barrel with iris. Covers 1x1½ inch.
Price each.....$21.50

2 inch (50mm.) F:1.5
HUGO MEYER KINO PLASMAT
In barrel with iris, covers 35mm.
Price each.....$67.50

2 7/16 inch (60mm.) F:2
HUGO MEYER KINO PLASMAT
In barrel with iris, covers 1¾x1¾ in.
Price each.....$46.50

2 inch (50mm.) F:2
HUGO MEYER PLASMAT
In focusing mount, covers 1x1½ inch. with iris.
Price each.....$46.50

2 inch (50mm.) F:3.5
HUGO MEYER TRIOPLAN
Front focus in compur shutter 1-1/300 second, covers 1x1½ inches.
Price each.....$21.50

2 inch (50mm.) F:2.6
ILEX SUPER CINEMAT
In focusing mount, covers 1x1½ in.
Price each.....$24.50

2 inch (50mm.) F:3.5
IMPORTED ANASTIGMAT
In barrel, no iris, covers 1-1½ inch.
Price each.....$7.50

2-2/5 inch (60mm.) F:4.5
LUXOR ENLARGING LENS
In barrel with iris, covers 1⅝x2 in.
Price each.....$9.50

2 inch (50mm.) F:4.5
RODENSTOCK TRINAR
Front focus in Ibsor shutter 1-1/100 second. Covers 1x1½ inches.
Price each.....$16.50

2 inch (50mm.) F:2.9
RODENSTOCK TRINAR
In barrel with iris, covers 1x1½ in.
Price each.....$21.50

2 inch (50mm.) F:2.9
STEINHEIL CASSAR
In barrel, covers 1x1½ inches.
Price each.....$21.50

2 inch (50mm.) F:2.9
STEINHEIL CASSAR
In self-cocking shutter 1-1/100 sec. Covers 1x1½ inches.
Price each.....$26.50

2⅜ inch (60mm.) F:4.5
STEINHEIL TRIPLAR
In barrel, covers 2x2 inches
Price each.....$17.50

2 inch (50mm.) F:3.5
STEINHEIL TRIPLET
In barrel, covers 1x1½ inches.
Price each.....$19.50

2 inch (50mm.) F:1.9
ULTRASTIGMAT (U. S. A.)
In barrel, covers 1x1½ inches.
Price each.....$39.50

2⅛ inch (55mm.) F:5.5
VOIGTLANDER DYNAR
In Chronos shutter, 1/100th, covers 1x1½ inches.
Price each.....$12.50

2 inch (50mm.) F:4.5
VOIGTLANDER HELIAR
In barrel with iris, covers 1x1½ in.
Price each.....$19.50

2 inch (50mm.) F:3.5
WOLLENSAK VELOSTIGMAT
In self-cocking shutter, covers 1x 1½ inches.
Price each.....$15.00

2 inch (45mm.) F:2
CARL ZEISS BIOTAR
In Compur Rapid shutter, speeds from 1 to 1/500th sec. covers 1⅜x1½ in.
Price each.....$57.50

2-2/5 inch (60mm.) F:3.6
CARL ZEISS PLANAR
In barrel with iris, covers 2x2 inches.
Price each.....$29.50

2 inch (50mm.) F:3.5
CARL ZEISS TESSAR
In barrel, covers 1x1½ inches.
Price each.....$25.50

2 inch (50mm.) F:3.5
CARL ZEISS TESSAR
In focusing mount, covers 1x1½ in.
Price each.....$36.50

2 inch (50mm.) F:2.8
CARL ZEISS TESSAR
In Compur Rapid shutter, 1 sec., to 1/500th, covers 35mm. size.
Price each.....$49.50

2 inch (50mm.) F:2.7
CARL ZEISS TESSAR
In focusing mount, covers 1x1½ in.
Price each.....$59.50

3 inch (75mm.) F:3.5
ANASTIGMAT LENS (Imported)
In mount with iris diaphragm—ideal for enlargers, covers 2¼x2¼ inches.
Price each.....$17.50

3 inch (75mm.) F:2
BAUSCH & LOMB ANASTIGMAT
In Ilex General shutter for direct positive, covers 1¾x2¼ inches.
Price each.....$39.50

3 inch (75mm.) F:2.5
COOKE ANASTIGMAT
In barrel with iris, covers 2¼x2¼ in.
Price each.....$26.50

3 inch (75mm.) F:2.9
DIRECT POSITIVE LENS
In barrel, covers 1¾x2¼ inches.
Price each.....$21.50

3 inch (75mm.) F:2
DIRECT POSITIVE LENS
Anastigmat, made in U.S.A., in self-cocking shutter, adjustable speeds to 1 second, guaranteed. Covers 1½x2"
Price each.....$37.50

3 inch (75mm.) F:7.7
ENLARGER ANASTIGMAT
In shutter with iris diaphragm, covers 2¼x3¼ inches. Limited quantity.
Price each.....$4.85

3 inch (75mm.) F:4.5
ERNEMANN ERNOPLAST
In focusing mount, covers 2¼x2¼ in.
Price each.....$15.50

3¼ inch (80mm.) F:2.7
ERNEMAN ERNOSTAR
In focusing mount. Covers 2¼x2½ in.
Price each.....$34.50

3 inch (75mm.) F:3.5
GOERZ HYPAR ANASTIGMAT
In barrel, covers 2¼x2¼ inches.
Price each.....$22.50

3 inch (75mm.) F:4.5
GOERZ DOGMAR
In Acme shutter 1-1/300 sec. Covers 2¼x2¼ inches
Price each.....$29.50

3 inch (75mm.) F:4.5
GOERZ DOGMAR
In compur shutter 1-1/300 sec. Covers 2¼x2¼ inches.
Price each.....$31.50

(Continued on page 33)

Specify Number 3201R when ordering any of the Lenses listed in the above group.
WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 32)

3 inch (75mm.) F:6.3
HERMAGIS ANASTIGMAT
In barrel with iris, covers 2¼x2¼ in.
Price each $8.95

3 inch (75mm.) F:2.9
HUGO MEYER TRIOPLAN
In Ibsor self-cocking shutter, 1 second to 1/125th, for direct positive, covers 1¾x2¼ inches.
Price each.....$22.50

3½ inch (90mm.) F:4
HUGO MEYER Double PLASMAT
In compur ½ to one sceond, covers 2x3 inches—also 6 inch focal length.
Price each $49.50

3½ inch (90mm.) F:6.3
ILEX SERIES C ANASTIGMAT
In barrel with iris, ideal for enlarging, covers 2¼x3¼ inches.
Price each.....$8.75

3½ inch (90mm.) F:6.3
IMPORTED ANASTIGMAT
In barrel with iris diaphragm, specially suited for enlarging, covers 2¼x3¼.
Price each.....$7.95

3 inch (75mm.) F:4.5
LAACK DIALYTAR
In Cronos shutter 1-1/300 second. Covers 2¼x2¼ inches.
Price each.....$9.50

3 inch (75mm.) F:2.8
LAACK ANASTIGMAT
In compur 1-1/250. Front focus—covers 2¼x2¼ inches.
Price each.....$29.50

3 inch (75mm.) F:4.5
LEITMEYER SYTAR
In barrel with iris, covers 2¼x2¼ in.
Price each $9.50

3 inch (75mm.) F:2
LUXOR ANASTIGMAT
In Ibsor self-cocking shutter, 1 sec., to 1/100th, covers 1¾x2¼ inches.
Price each.....$39.50

3½ inch (90mm.) F:3.5
LUXOR ENLARGING LENS
In barrel with iris.
Price each $14.50

3 inch (75mm.) F:2.5
ROSS XPRESS
In barrel with iris, covers 2¼x2¼ in.
Price each $24.50

3 inch (75mm.) F:2.9
SCHNEIDER RADIONAR
In Betax shutter, covers 1¾x2¼ in.
Price each $32.50

3 inch (75mm.) F:2.8
SCHNEIDER XENAR
In Compur Rapid shutter, covers 2¼x2¼ inches.
Price each.....$41.50

3½ inch (90mm.) F:4.5
SCHNEIDER XENAR
In Compur shutter, covers 2x3 inches.
Price each.....$31.50

3 inch (75mm.) F:3.5
STEINHEIL CASSAR ANASTIG.
In barrel, covers 1¾x2¼ inches.
Price each.....$22.50

3 inch (75mm.) F:3.5
STEINHEIL CASSAR ANASTIG.
In Ibsor shutter, 1 sec., to 1/125th, covers 1¾x2¼ inches.
Price each.....$26.50

3 inch (75mm.) F:2.9
STEINHEIL CASSAR ANASTIG.
In focusing mount, covers 2¼x2¼ in.
Price each.....$24.50

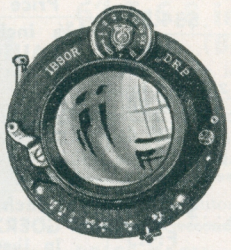
3 inch (75mm.) F:2.9
STEINHEIL CASSAR ANASTIG.
In Ibsor shutter, 1 sec., to 1/125th, covers 1¾x2¼ inches.
Price each.....$28.50

3 inch (75mm.) F:2.9
STEINHEIL CASSAR ANASTIG.
In barrel, covers 2¼x2¼ inches.
Price each.....$24.50

3¼ inch (80mm.) F:3.5
STEINHEIL CASSAR
In focusing mount for Korelle camera.
Price each $29.50

IMPORTED LENSES for DIRECT POSITIVE

These fine super-speed lenses are recommended for their crisp definition—the brilliant, sparkling negatives they produce. They are ideal for use on all types of miniature cameras—miniature enlargers and for use on the larger types of direct paper positive machines. Their optical corrections are of the highest order—giving total freedom from flare and abberations. Mounted in shutters they come to you ready for installation on your camera or enlarger. Thousands now in use thru-out the country.



4⅛" F:2.9 in Ibsor. Covers 2¼x3¼ inches. Order by No. 3302R **$39.50**

3 inch F:2 in Ibsor shutter. Covers 1¾x2¼ inches. Order by No. 3303R **$39.50**

6½" F:3.5 in self-cocking shutter 1/100th to 1 sec., covers 4x5 inches. Order by No. 3304R **$61.50**

4⅛ INCH - F:4.5
Covers 2¼x3¼ - 3¼x4¼. In Ibsor shutter, speeds 1 to 1/100th second.
Order by No. 3305R **$21.50**

4¾ INCH - F:3.5
Covers 3¼x4¼ - 4x5 in. in self-cocking shutter to 1/100th second.
Order by No. 3306R **$37.50**

5¼ INCH - F:3.5
Covers 3¼x5½ - 4x6 in. In Self-cocking shutter, speeds 1 to 1/100th second.
Order by No. 3307R **$49.50**

3 INCH - F:3.5
Covers 1¾x2¼ plate. In Ibsor shutter, speeds 1 to 1/100th second.
Order by No. 3308R **$26.50**

3 INCH - F:2.9
Covers 1¾x2¼ plate. In Ibsor shutter, speeds 1 to 1/100th second.
Order by No. 3309R **$28.50**

3 INCH - F:2.5
Covers 1¾x2¼ plate. In Ibsor shutter, speeds 1 to 1/100th second.
Order by No. 3310R **$32.50**

3 inch (75mm.) F:2.5
STEINHEIL CASSAR
In barrel, covers 1¾x2¼ inches.
Price each.....$26.50

3 inch (75mm.) F:2.5
STEINHEIL CASSAR ANASTIG.
In self-cocking shutter, 1 second to 1/100, covers 1¾x2¼ inches.
Price each $32.50

3½ inch (90mm.) F:4.5
STEINHEIL CASSAR
In barrel, covers 2x3 inches.
Price each.....$19.50

3½ inch (90mm.) F:4.5
STEINHEIL TRIPLAR
In barrel, covers 2¼x3¼ inches.
Price each.....$22.50

3½ inch (90mm.) F:6.3
VOIGTLANDER COLLINEAR
In Ibsor shutter, covers 3¼x4¼ in. at smaller stops.
Price each $24.50

3 inch (75mm.) F.2
WOLLENSAK VELOSTIGMAT
In Betax shutter ½-1/50 second. Covers 2¼x2¼ inches.
Price each $37.50

3 inch (75mm.) F:4.5
CARL ZEISS TESSAR
In Compur shutter, covers 2¼x2¼ in.
Price each $29.00

3 inch (75mm.) F:3.5
CARL ZEISS TESSAR
In focusing mount, covers 2¼x2¼ inches.
Price each $36.50

3 inch (75mm.) F:2.8
CARL ZEISS TESSAR
In Compur Rapid, 1 sec., to 1/400th, covers 2¼x2¼ inches.
Price each.....$49.50

3¼ inch (80mm.) F:2.7
CARL ZEISS TESSAR
In barrel with iris, covers 2¼x2½ in.
Price each.....$42.50

3½ inch (90mm.) F:6.8
ZEISS DOMINAR
In Compur shutter 1-1/200, covers 2¼x2¼ inches.
Price each.....$19.50

4⅛ inch (105mm.) F:4.5
ANASTIGMAT LENS
In barrel, ideal for enlarging, covers 2½x3½ inches.
Price each.....$11.50

3⅝ inch (90mm.) F:4.5
BAUSCH & LOMB TESSAR
In Acme shutter 1-1/300 sec., covers 2¼x3¼ inches.
Price each.....$26.50

4⅛ inch (105mm.) F:6.3
COOKE KODAK
In Ilex shutter 1-1/100 sec., covers 2¼x3¼ inches.
Price each.....$15.50

4 inch (100mm.) F:4.5
EASTMAN EKTAR
In barrel with iris, covers 2¼x3¼ in.
Price each $19.50

4 inch (100mm.) F:2
ERNEMANN ANASTIGMAT
In focusing mount with iris, covers 2¼x3¼ inches.
Price each $99.50

4 inch (100mm.) F:6.3
ERNEMAN ANASTIGMAT
In barrel with iris, covers 2¼x3¼ in.
Price each.....$17.50

4⅛ inch (105mm.) F:2.8
EXAKTA TRIOPLAN
In focusing mount for Exakta camera.
Price each $47.50

4⅛ inch (105mm.) F:3
HUGO MEYER ANASTIGMAT
In Ibsor self-cocking shutter, 1 second to 1/100th, covers 2¼x3¼ inches.
Price each.....$42.50

4¼ inch (110mm.) F:4.5
ILEX PARAGON
In Precise shutter, covers 2¼x3¼ in.
Price each.....$22.50

4⅛ inch (105mm.) F:4.5
IMPORTED ANASTIGMAT
In barrel with iris, covers 2¼x3¼ in.
Price each $19.50

4⅛ inch (105mm.) F:4.5
IMPORTED ANASTIGMAT
In self-cocking shutter 1 second to 1/100, covers 2¼x3¼ inches.
Price each $24.50

4⅛ inch (105mm.) F:6.3
IMPORTED ANASTIGMAT
In barrel with iris diaphragm, specially suited for enlarging, covers 2½x4¼.
Price each.....$8.75

4⅛ inch (105mm.) F:6.3
IMPORTED ANASTIGMAT
In shutter 1/25 to 1/100, covers 2¼x3¼ inches.
Price each $14.50

4⅛ inch (105mm.) F:3.9
IMPORTED ANASTIGMAT
In self-cocking shutter, one second to 1/100, covers 2¼x3¼ inches.
Price each $39.50

4 inch (100mm.) F:3.9
LAACK ANASTIGMAT
In barrel with iris, front focus, covers 2¼x3¼ inches.
Price each.....$16.50

(Continued on page 34)

Specify Number 3301R when ordering any of the Lenses listed in the above group.

PLEASE NOTE: PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 33)

4 1/8 inch (105mm.) F:3.5
LAACK ANASTIGMAT
Tessar Type in Ibsor self-cocking shutter, 1 second to 1/100th, covers 2 1/4x3 1/4 inches.
Price each $34.50

4 inch (100mm.) F:4.9
RODENSTOCK TRINAR
In barrel (no iris,) covers 2 1/4x3 1/4 in.
Price each $9.50

4 1/8 inch (105mm.) F:5.4
RODENSTOCK EURYNAR
In Ibsor shutter 1-1/100 sec., covers 2 1/4x3 1/4 inches.
Price each $13.50

4 1/8 inch (105mm.) F:4.5
ROSS XPRES
In barrel with iris, covers 2 1/4x3 1/4 in.
Price each $19.50

4 1/8 inch (105mm.) F:4.5
ROSS XPRES
In compur shutter 1-1/250 sec. Front Focus. Covers 2 1/4x3 1/4 inches.
Price each $32.50

4 1/8 inch (105mm.) F:4.5
SCHNEIDER RADIONAR
In compur shutter, covers 2 1/4x3 1/4 in.
Price each $27.50

4 1/8 inch (105mm.) F:8
SPECIAL APLANAT
In barrel with iris, good enlarging lens.
Price each $7.50

4 1/8 inch (105mm.) F:2.7
STEINHEIL QUINAR
In barrel with iris, covers 2 1/4x3 in.
Price each $44.50

4 1/8 inch (105mm.) F:6.8
STEINHEIL UNOFOCAL
In Cronos shutter 1-1/100 second, covers 2 1/4x3 1/4 inches.
Price each $19.50

4 1/8 inch (105mm.) F:4.5
STEINHEIL UNOFOCAL
In sunk mount, covers 2 1/4x3 1/4 inch.
Price each $27.50

4 1/8 inch (105mm.) F:4.5
STEINHEIL ANASTIGMAT
In Ibsor 1-1/100 sec., covers 2 1/4x3 1/4.
Price each $31.50

4 1/8 inch (105mm.) F:3.8
STEINHEIL CASSAR
In compur shutter, covers 2 1/4x3 1/4 in.
Price each $49.50

4 1/8 inch (105mm.) F:4.5
VOIGTLANDER SKOPAR
In Ibsor shutter 1-1/100 sec., covers 2 1/4x3 1/4 inches.
Price each $27.50

4 1/8 inch (105mm.) F:6.3
WOLLENSAK VELOSTIGMAT
In Acme shutter 1-1/300 sec., covers 2 1/4x3 1/4 inches.
Price each $19.50

4 1/8 inch (105mm.) F:4.5
CARL ZEISS TESSAR
In barrel, covers 2 1/4x3 1/4 inches.
Price each $26.50

4 1/8 inch (105mm.) F:4.5
CARL ZEISS TESSAR
In compur shutter, covers 2 1/4x3 1/4 inches.
Price each $39.50

4 1/8 inch (105mm.) F:3.5
CARL ZEISS TESSAR
In ring set compur, covers 2 1/4x3 1/4 inches.
Price each $52.50

4 1/8 inch (105mm.) F:3.8
CARL ZEISS TESSAR
In Compur Rapid shutter to 1/400th second, covers 2 1/4x3 1/4 inches.
Price each $51.50

4 1/8 inch (105mm.) F:3.5
CARL ZEISS TESSAR
In barrel, covers 2 1/4x3 1/4 inches.
Price each $46.00

4 1/8 inch (105mm.) F:3.5
CARL ZEISS TESSAR
In focusing mount, covers 2 1/2x3 1/2 in.
Price each $60.00

4 3/8 inch (110mm.) F:4.5
BAUSCH & LOMB TESSAR Ic
In Ring set compur, will cover 2 1/4x3 1/4 inches.
Price each $42.50

4 5/8 inch (115mm.) F:4.5
BAUSCH & LOMB TESSAR
In barrel, covers 2 1/2x3 1/4 inches.
Price each $27.50

4 3/4 inch (120mm.) F:4.8
GOERZ CELOR
In Ibsor shutter, covers 2 1/2x3 1/2 in.
Price each $25.50

4 3/4 inch (120mm.) F:6.8
GOERZ DAGOR SERIES II!
In Ibsor self-setting shutter, 1 sec., to 1/125th, covers 4x5 inches.
Price each $59.50

4 3/4 inch (120mm.) F:6.8
GOERZ DAGOR SERIES III
In Compur shutter, covers 4x5 inches.
Price each $69.50

4 3/4 inch (120mm.) F:6.8
GOERZ DAGOR
In barrel with iris, cover 3 1/4x4 1/4 in.
Price each $49.50

4 3/4 inch (120mm.) F:6.3
GOERZ DOGMAR
In focusing mount, covers 3x4 inches.
Price each $29.50

4 3/4 inch (120mm.) F:6.3
HUGO MEYER TRIOPLAN
In Ibsor shutter 1-1/100 sec., covers 3x4 inches.
Price each $19.50

4 5/8 inch (115mm.) F:3.5
IMPORTED ANASTIGMAT
In Ibsor shutter, covers 2 3/4x3 3/4 in.
Price each $37.50

4 3/4 inch (120mm.) F:4.5
IMPORTED ANASTIGMAT
In barrel, covers 2 1/4x3 1/4 inches.
Price each $17.50

4 3/4 inch (120mm.) F:4.5
IMPORTED ANASTIGMAT
In self-cocking shutter, 1/25 to 1/100 second, covers 2 1/2x3 1/2 inches.
Price each $29.50

4 3/4 inch (120mm.) F:3.5
LAACK DIALYTAR ANASTIG.
in barrel, covers 2 1/2x3 1/2 inches.
Price each $29.50

4 3/4 inch (120mm.) F:3.5
LAACK DIALYTAR
In Ibsor shutter 1 to 1/100 second, covers 2 1/2x3 1/2 inches.
Price each $39.50

4 3/4 inch (120mm.) F:4.5
PLAUBEL ANTI-COMAR
In compur shutter, covers 2 1/4x3 1/4 in.
Price each $26.50

4 3/4 inch (120mm.) F:4.5
STEINHEIL UNOFOCAL
In barrel with iris, covers 3 1/4x4 1/4 in.
Price each $29.50

4 3/4 inch (120mm.) F:6.8
STEINHEIL UNOFOCAL
In Klio shutter 1-1/100 sec., covers 3x4 inches.
Price each $19.50

4 3/4 inch (120mm.) F:5.6
VOIGTLANDER COLLINEAR
In barrel with iris, covers 2 1/4x3 1/4 in.
Price each $42.50

4 3/4 inch (120mm.) F:6
VOIGTLANDER DYNAR
In Acme shutter 1-1/300 sec., covers 2 1/2x3 1/2 inches.
Price each $24.50

4 3/4 inch (120mm.) F:2.7
CARL ZEISS TESSAR
In focusing mount, covers 3x4 in.
Price each $74.50

4 3/4 inch (120mm.) F:4.5
CARL ZEISS TESSAR
In sunk mount with iris, covers 2 1/4x3 1/4 inches.
Price each $27.50

4 3/4 inch (120mm.) F:4.5
CARL ZEISS TESSAR
In compur shutter, covers 3x4 inches.
Price each $37.50

4 3/4 inch (120mm.) F:3.5
CARL ZEISS TRIOTAR
In focusing mount, covers 2 1/2x3 1/2 in.
Price each $49.50

5 1/4 inch (135mm.) F:6.3
ALDIS ANASTIGMAT
In focusing mount, covers 3 1/4x4 1/4 in.
Price each $14.50

5 1/4 inch (135mm.) F:6.3
ANASTIGMAT LENS
In barrel, ideal for enlarging, fully guaranteed, covers 5x7 inches.
Price each $12.50

5 1/4 inch (135mm.) F:4.5
ANASTIGMAT LENS
In shutter, used, but in first class condition, ideal for home enlargers, etc., covers 4x5 inch plate and enlarges 5x7 size.
Price each $22.50

5 1/2 inch (140mm.) F:4.5
BAUCH & LOMB TESSAR Ic
In barrel, covers 3 1/4x4 1/4 inches.
Price each $37.50

5 inch (125mm.) F:4.5
COOKE ANASTIGMAT SERIES II
In barrel with iris, covers 3 1/4x4 1/4 in.
Price each $29.50

5 1/2 inch (140mm.) F:2.9
DALLMEYER PENTAC
In focusing mount, covers 3 1/4x4 1/4 in.
Price each $79.50

5 inch (125mm.) F:6.8
GOERZ DAGOR
In Compur shutter, covers 3 1/4x4 1/4 in.
Price each $64.50

5 inch (125mm.) F:6.8
GOERZ DAGOR
In barrel mount, covers 3 1/4x4 1/4 in.
Price each $52.50

5 inch (125mm.) F:6.3
GOERZ DOGMAR
In barrel, covers 3 1/4x4 1/4 inches.
Price each $21.50

5 inch (125mm.) F:6.8
GOERZ DAGOR
In focusing mount, covers 3 1/4x4 1/4 in.
Price each $49.50

5 1/4 inch (135mm.) F:6.3
GOERZ DOUBLE ANASTIGMAT
In mount, covers 3 1/4x4 1/4 in.
Price each $28.50

5 1/4 inch (135mm.) F:6.8
GOERZ DAGOR SERIES III
In Compur shutter, covers 4x5 inches.
Price each $64.50

5 1/4 inch (135mm.) F:6.8
GOERZ DAGOR Series III
In self-cocking shutter, 1 second to 1/100, covers 4x5 inches.
Price each $53.50

5 1/8 inch (130mm.) F:6.8
GOERZ DAGOR Series III
In barrel with iris, covers 4x5 in.
Price each $49.50

5 1/4 inch (135mm.) F:4.5
GOERZ DOGMAR
In barrel with iris, covers 3 1/4x4 1/4 in.
Price each $43.50

5 1/4 inch (135mm.) F:3.5
HERMAGIS ANASTIGMAT
In self-cocking shuter, covers 3 1/4x 4 1/4 inches.
Price each $49.50

5 1/2 inch (140mm.) F:3.5
HERMAGIS FRENCH ANASTIG.
In barrel, covers 3 1/4x4 1/4 inches.
Price each $34.50

5 1/4 inch (135mm.) F:6.8
HUGO MEYER DOUBLE ANAST.
In Ibsor shutter 1-1/100 sec., covers 3 1/4x4 1/4 inches.
Price each $21.50

5 1/4 inch (135mm.) F:5.4
HUGO MEYER DOUBLE ANAST.
In Gammax shutter 1/10-1/100 sec., covers 3 1/4x4 1/4 inches
Price each $26.50

(Continued on page 35)

Specify Number 3401R when ordering any of the Lenses listed in the above group.

WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 34)

5¼ inch (135mm.) F:6.8
HUGO MEYER DOUBLE ANAST.
In Compur shutter 1-1/250 second. Covers 3¼x4¼ inches.
Price each.....$31.50

5¼ inch (135mm.) F:4.5
IMPORTED ANASTIGMAT
In barrel with iris, covers 3¼x4¼ in.
Price each.....$19.50

5¼ inch (135mm.) F:6.3
IMPORTED ANASTIGMAT
In automatic shutter, covers 3¼x4¼ inches.
Price each.....$16.50

5¼ inch (135mm.) F:4.5
IMPORTED ANASTIGMAT
In self-cocking shutter, 1 second to 1/100th, covers 3¼x4¼ inches.
Price each.....$29.50

5 inch (125mm.) F:7.7
KODAK ANASTIGMAT
In Diomatic shutter 1/10-1/100 sec., covers 3¼x4¼ inches.
Price each.....$12.50

5½ inch (140mm.) F:4.5
KODAK ANASTIGMAT
In barrel with iris, covers 3¼x4¼ in.
Price each.....$34.50

5¼ inch (135mm.) F:6.3
LAACK ANASTIGMAT
In Chronos shutter, covers 3¼x4¼.
Price each.....$19.50

5¼ inch (135mm.) F:6.8
LAACK ANASTIGMAT
In O. S. Compur shutter 1-1/250 sec., covers 3¼x4¼ inches.
Price each.....$27.50

5¼ inch (135mm.) F:3.9
LAACK ANASTIGMAT
In Ibsor shutter, covers 3¼x4¼ in.
Price each.....$29.50

5¼ inch (135mm.) F:3.5
LAACK DIALYTAR
In barrel with iris, covers 3¼x4¼ in.
Price each.....$34.50

5¼ inch (135mm.) F:1.9
REITZSCHEL PROLINEAR
In barrel with iris, covers 3¼x4¼ in.
Price each.....$79.50

5¼ inch (135mm.) F:5.4
RODENSTOCK ANASTIGMAT
In Ibsor shutter, covers 3¼x4¼ in.
Price each.....$17.50

5⅛ inch (130mm.) F:6.8
RODENSTOCK ANASTIGMAT
In barrel with iris, covers 3¼x4¼ in.
Price each.....$17.50

5¼ inch (135mm.) F:6.3
RODENSTOCK TRINAR
In Ibsor shutter 1-1/100 sec., covers 3¼x4¼ inches.
Price each.....$19.50

5¼ inch (135mm.) F:4.5
SCHNEIDER RADIONAR
In Ibsor 1-1/100 sec., covers 3¼x4¼.
Price each.....$36.50

5¼ inch (135mm.) F:3.5
SCHNEIDER XENAR
In barrel, covers 3¼x4¼ inches.
Price each.....$59.50

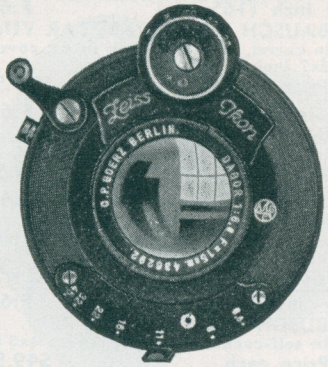
5¼ inch (135mm.) F:6.3
SCHNEIDER DOUBLE ANAST.
In Ibsor shutter 1-1/100 sec. in Ibsor shutter 1-1/100 sec., covers 3¼x4¼.
Price each.....$19.50

5¼ inch (140mm.) F:4.5
SCHNEIDER RADIONAR
In Compur shutter, covers 3¼x4¼ in.
Price each.....$38.50

5¼ inch (135mm.) F:8
SPECIAL APLANAT
In barrel with iris, good enlarging lens.
Price each.....$9.50

5¼ inch (135mm.) F:4.8
STEINHEIL UNOFOCAL Anastig.
In Universal shutter, covers 3¼x4¼ inches.
Price each.....$24.50

5 inch (125mm.) F:6.8
VOIGTLANDER COLLINEAR
In barrel with iris, covers 3¼x4¼ in.
Price each.....$37.50



IMPORTED
GOERZ DAGOR
6" F:6.8 in shutter with iris
(Brand New)

Goerz Dagor lenses need no introduction to the photographic trade. They enjoy an enviable reputation for their fine cutting qualities—their extreme definition and their remarkable covering power. Will cover 4x5 inches for normal perspective—5x7 inches for semi wide angle. Mounted in automatic shutter with speeds up to 1/100th second.

PRICE EACH..... $42.50
Specify Number 3502R when ordering

5¼ inch (135mm.) F:7.7
WOLLENSAK ANASTIGMAT
In General shutter 1/5-1/100 second. Covers 3¼x4¼ inches.
Price each.....$12.50

5¼ inch (135mm.) F:6.3
CARL ZEISS TESSAR
In Compur shutter, covers 4x5 inches.
Price each.....$32.50

5¼ inch (135mm.) F:3.5
CARL ZEISS TESSAR
In Compur shutter, covers 3¼x4¼ in.
Price each.....$80.00

5¼ inch (135mm.) F:4.5
ZEISS LITONAR DOUBLE ANAST.
In barrel with iris, covers 3¼x4¼ in.
Price each.....$19.50

5⅝ inch (145mm.) F:2.7
CARL ZEISS TESSAR
In barrel with iris, covers 3¼x4¼ in.
Price each.....$94.50

5¾ inch (145mm.) F:4.5
ALDIS ANASTIGMAT
In barrel with iris, covers 4x5. in.
Price each.....$24.50

6 inch (150mm.) F:4.5
ALDIS-BUTCHER ANASTIGMAT
In sunk mount with iris, covers 4x5 inches.
Price each.....$24.50

6¼ inch (160mm.) F:6.3
BAUSCH & LOMB TESSAR (Zeiss)
In General shutter 1/10-1/100 sec., covers 4x5 inches.
Price each.....$27.50

6¼ inch (160mm.) F:6.3
BAUSCH & LOMB TESSAR
In barrel with iris, covers 4x5 inches.
Price each.....$22.50

6¼ inch (160mm.) F:6.3
BAUSCH & LOMB, TESSAR
In compound shutter, covers 3½x5¼ inches.
Price each.....$36.50

5¾ inch (145mm.) F:3.5
BERTHIOT STELLAR
In barrel with iris, covers 4x5 in.
Price each.....$23.50

6 inch (150mm.) F:3.1
BUSCH ANASTIGMAT
In barrel with iris covers 4x5 in.
Price each.....$39.50

6¼ inch (160mm.) F:3.5
COOKE ANASTIGMAT
In barrel with iris, covers 4x5 inches.
Price each.....$54.50

6 inch (150mm.) F:4.5
COOKE ANASTIGMAT SERIES II
In barrel, covers 4x5 inches.
Price each.....$42.50

6 inch (150mm.) F:3.5
COOKE ANASTIGMAT IIa
In sunk mount, covers 4x5 inches.
Price each.....$89.50

5¾ inch (145mm.) F:4.5
COOKE-BUTCHER ANASTIGMAT
In barrel with iris, covers 3¼x4¼ in.
Price each.....$27.50

6 inch (150mm.) F:5.6
COOKE SERIES IV ANASTIGMAT
In barrel with iris, covers 4x5 inches.
Price each.....$49.50

6 inch (150mm.) F:4.5
DALLMEYER Enlarging Anastig.
In sunk mount, covers 4x5 inches.
Price each.....$24.50

6 inch (150mm.) F:2.9
DALLMEYER PENTAC
In sunk mount, covers 4x5 inches.
Price each.....$89.50

6 inch (150mm.) F:4.8
GOERZ CELOR
In barrel, covers 4x5 inches.
Price each.....$22.50

6 inch (150mm.) F:6.8
GOERZ DAGOR
In sunk mount, covers 4x5 inches.
Price each.....$52.50

6 inch (150mm.) F:7.7
GOERZ (Berlin) DAGOR
In Compur shutter, covers 4x5 inches.
Price each.....$74.50

6 inch (150mm.) F:6.8
GOERZ DAGOR SERIES III
In Compur shutter, covers 4x5 inches.
Price each.....$74.50

6 inch (150mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, covers 4x5 inches.
Price each.....$59.50

6 inch (150mm.) F:6.8
GOERZ DAGOR SERIES III
In Universal shutter, covers 4x5 in.
Price each.....$62.50

6 inch (150mm.) F:6.8
GOERZ DAGOR SERIES III
In focusing mount, covers 4x5 inches.
Price each.....$59.50

6 inch (150mm.) F:6.8
GOERZ SYNTAR
In Cronos shutter 1/25-1/100 sec., covers 4x5 inches.
Price each.....$21.50

6¼ inch (160mm.) F:4.5
GUNDLACH ANASTIGMAT
In Universal shutter 1-1/100 second, covers 4x5 inches.
Price each.....$37.50

6 inch (150mm.) F:6.3
HUGO MEYER ANASTIGMAT
In barrel with iris, covers 4x5 in.
Price each.....$19.50

6 inch (150mm.) F:4.5
IMPORTED ANASTIGMAT
In shutter, 1 second to 1/100th, will cover 4x5 inches.
Price each.....$29.50

6 inch (150mm.) F:4.5
IMPORTED ANASTIGMAT
In barrel with iris, covers 4x5 inches.
Price each.....$26.50

6 inch (150mm.) F:6.3
KODAK ANASTIGMAT
In self-cocking shutter, 1/10 to 1/100, covers 4x5 inches.
Price each.....$17.50

6 inch (150mm.) F:4.5
LAACK DOUBLE ANASTIGMAT
Dialytar in Chronos shutter, covers 4x5 inches.
Price each.....$34.50

6 inch (150mm.) F:2.9
PLAUBEL ANASTIGMAT
In barrel with iris, covers 4x5 inches.
Price each.....$99.50

6 inch (150mm.) F:4.2
PLAUBEL ANTI COMAR
In compur shutter, covers 4x5 in.
Price each.....$44.50

(Continued on page 36)

Specify Number 3501R when ordering any of the Lenses listed in the above group.

PLEASE NOTE: PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 35)

6 inch (150mm.) F:3.5
RODENSTOCK EURYNAR
In self-cocking shutter, 1 second to 1/100 second, covers 4x5 inches.
Price each $54.50

6 inch (150mm.) F:3.5
RODENSTOCK ANASTIGMAT
In barrel with iris, covers 4x5 in.
Price each $42.50

6 inch (150mm.) F:4.5
ROSS ZEISS TESSAR
In barrel with iris, covers 4x5 inches.
Price each.....$39.50

6 inch (150mm.) F:3.5
STEINHEIL CASSAR
In barrel with iris, covers 4x5 in.
Price each $42.50

6 inch (150mm.) F:3.5
STEINHEIL CASSAR
In O. S. Compur, covers 3¼x4¼ inch.
Price each.....$64.50

6 inch (150mm.) F:4.5
SCHNEIDER XENAR
In Chronos shutter, covers 4x5 inches.
Price each.....$44.50

6 inch (150mm.) F:3.5
SCHNEIDER XENAR
In Compur shutter, covers 4x5 inches.
Price each $79.50

6 inch (150mm.) F:4.5
STEINHEIL ANASTIGMAT
In barrel with iris, covers 4x5 inches.
Price each.....$32.50

6 inch (150mm.) F:4.5
STEINHEIL UNOFOCAL ANAST.
In Compur shutter, covers 3½x4½ in.
Price each.....$43.50

6 inch (150mm.) F:7.5
TURNER-REICH ANASTIGMAT
In Universal shutter, also 12 inch focus, covers 4x5 in.
Price each.....$42.50

6 inch (150mm.) F:6.8
VOIGTLANDER COLLINEAR
In General shutter, covers 4x5 inches.
Price each $59.50

6 inch (150mm.) F:4.5
VOIGTLANDER HELIAR
In barrel with iris, covers 4x5 inches.
Price each.....$33.50

6 inch (150mm.) F:4.5
VOIGTLANDER SKOPAR
In compur shutter, covers 4x5 in.
Price each $44.50

6 inch (150mm.) F:7.5
WOLLENSAK ANASTIGMAT
In barrel with iris, covers 4x5 in.
Price each $16.50

6 inch (150mm.) F:6.3
CARL ZEISS TESSAR
In barrel with iris, covers 4x5 in.
Price each $24.50

6 inch (150mm.) F:4.5
CARL ZEISS TESSAR
In barrel with iris, covers 4x5 in.
Price each $42.00

6 inch (150mm.) F:3.5
CARL ZEISS TRIOTAR
In barrel, covers 4x5 inches.
Price each $49.50

6 inch (150mm.) F:4.5
CARL ZEISS TRIOTAR
In focusing mount, covers 4x5 inches.
Price each.....$42.50

6¾ inch (170mm.) F:4.5
ALDIS ANASTIGMAT
In barrel with iris, covers 4x5 in.
Price each $29.50

6⅜ inch (160mm.) F:4.5
BAUSCH & LOMB TESSAR
In barrel, covers 4x5 inches.
Price each.....$44.50

6⅜ inch (165mm.) F:4.5
BAUSCH & LOMB TESSAR
In Acme shutter, speeds to 1/300th second, covers 4x5 inches.
Price each.....$59.50

6½ inch (160mm.) F:6.3
BAUSCH & LOMB PROTAR VIIa
In compound shutter, also 11⅜ focus, covers 5x7 inches.
Price each.....$109.50

6½ inch (165mm.) F:6.3
BAUSCH & LOMB PROTAR VIIa
In barrel, also 11⅜ inch focus, covers 5x7 inches.
Price each $89.50

6½ inch (165mm.) F:6.3
BAUSCH & LOMB TESSAR
In Universal shutter, covers 4x5 in.
Price each $29.50

6½ inch (165mm.) F:4.5
BUSCH SERIES I
In Universal shutter, 1 sec to 1/100th covers 4x5 inches.
Price each.....$34.50

6½ inch (165mm.) F:6.8
BUSCH DAGOR TYPE
In self-cocking shutter, covers 4x5 in.
Price each $49.50

6⅜ inch (160mm.) F:2.9
COOKE ANASTIGMAT Series XIII
In barrel, covers 3¼x4¼ inches.
Price each.....$87.50

6⅜ inch (160mm.) F:2.9
COOKE ANASTIGMAT XIII
In sunk mount, covers 4x5 inches.
Price each $109.50

6⅜ inch (165mm.) F:2.5
COOKE ANASTIGMAT Series X
High speed lens in half sunk mount, covers 4x5 inches.
Price each.....$129.50

6½ inch (165mm.) F:2.9
DALLMEYER PENTAC
In barrel with iris, covers 4x5 inches.
Price each.....$94.50

6½ inch (165mm.) F:6.3
GOERZ DOGMAR
In focusing mount, covers 4x5 inches.
Price each.....$39.50

6½ inch (165mm.) F:6.8
GOERZ DAGOR SERIES III
In self-cocking shutter 1/100th to one second, covers 4½x6½ inches.
Price each $72.50

6½ inch (165mm.) F:6.8
GOERZ DAGOR
In barrel, covers 4x5 inches.
Price each.....$62.50

6½ inch (165mm.) F:6.8
GOERZ DAGOR
In Compur shutter, covers 4x5 in.
Priec each $79.50

6¾ inch (170mm.) F:6.3
GRAF ANASTIGMAT
In General shutter, covers 4x5 inches.
Price each.....$17.50

6½ inch (165mm.) F:4.3
HUGO MEYER DOUBLE ANASTIG.
In focusing mount, covers 4x5 inches.
Price each.....$44.50

6½ inch (165mm.) F:6.3
ILEX PARAGON ANASTIGMAT
In Universal shutter, covers 4x5 in.
Price each.....$17.50

6½ inch (165mm.) F:6.3
IMPORTED ANASTIGMAT
In shutter, 1 second to 1/100th, will cover 4x5 inches.
Price each.....$19.50

6½ inch (165mm.) F:4.5
IMPORTED ANASTIGMAT
In barrel with iris, covers 4x5 inches.
Price each.....$29.50

6½ inch (165mm.) F:5.4
IMPORTED ANASTIGMAT
In shutter, covers 4x5 inches.
Price each.....$18.50

6⅜ (160mm.) F:4.5
KODAK ANASTIGMAT
In shutter, covers 4x5 in.
Price each $44.50

6⅜ inch (160mm.) F:7.7
KODAK ANASTIGMAT
In Ilex shutter, covers 4x5 inches.
Price each.....$14.50

6⅜ inch (160mm.) F:4.5
KODAK ANASTIGMAT
In barrel, covers 4x5 inches.
Price each $34.50

6½ inch (165mm.) F:4.5
LAACK ANASTIGMAT
In barrel, covers 4x5 inches.
Price each.....$32.50

6½ inch (165mm.) F:3.5
LAACK ANASTIGMAT
In Universal self-cocking shutter, one second to 1/100th, covers 4x5 inches, for direct positive.
Price each.....$64.50

6½ inch (165mm.) F:4.5
RODENSTOCK Double ANASTIG.
Series IV, in General shutter, covers 4x5 inches.
Price each $29.50

6½ inch (165mm.) F:7.7
RODENSTOCK ANASTIGMAT
In Vario shutter 1/25-1/100 second, covers 4x5 inches.
Price each.....$13.50

6½ inch (165mm.) F:6.3
ROSS HOMOCENTRIC
In Ibsor shutter 1-1/100 sec., covers 4x5 inches.
Price each.....$27.50

6½ inch (165mm.) 3.5
SCHNEIDER XENAR
In Compound shutter, covers 3¼x 4¼ inches.
Price each $74.50

6½ inch (165mm.) F:4.5
SCHNEIDER XENAR
In barrel with iris, covers 4x5 inches.
Price each.....$46.50

6½ inch (165mm.) F:3.5
STEINHEIL CASSAR
In Compound shutter, covers 4x5 in.
Price each.....$59.50

6½ inch (165mm.) F:4.5
STEINHEIL UNOFOCAL LENS
In half sunk mount for Graflex, covers 4x5 inches.
Price each.....$34.50

6½ inch (165mm.) F:6.8
STEINHEIL ORTHOSTIGMAT
In Universal shutter 1-1/100 second. covers 4x5 inches.
Price each.....$57.50

6½ inch (165mm.) F:7.5
TURNER-REICH CONVERTIBLE
In Universal shutter, covers 4x5 in.
Price each $44.50

6½ inch (165mm.) F:4.5
VOIGTLANDER Tessar Type Skopar
In Perle Rapid shutter, one second to 1/200, covers 4x5 inches.
Price each $49.50

6½ inch (165mm.) F:6.3
WOLLENSAK VELOSTIGMAT
In Gammax shuter 1/2-1/100 second, covers 4x5 inches.
Price each.....$32.50

6½ inch (165mm.) F:7.5
WOLLENSAK ANASTIGMAT
In Gammax shutter, covers 4x5 in.
Price each.....$19.50

6½ inch (165mm.) F:2.8
CARL ZEISS BIOTAR
In Compound shutter 1-1/75 second. Covers 4x5 inches
Price each.....$169.50

6¾ inch (150mm.) F:6.3
CARL ZEISS PROTAR VIIa
In barrel with iris, also 11½ inch focus, covers 4x5 inches.
Price each.....$89.50

6½ inch (165mm.) F:3.5
CARL ZEISS TESSAR
In barrel with iris, covers 4x5 inches.
Price each $92.50

6½ inch (165mm.) F:2.7
CARL ZEISS TESSAR
In focusing mount, covers 4x5 inches.
Price each.....$149.50

6½ inch (165mm.) F:4.5
CARL ZEISS TESSAR
In barrel, covers 4x5 inches.
Price each.....$49.00

6½ inch (165mm.) F:4.5
CARL ZEISS TESSAR
In Compur shutter, covers 4x5 inches.
Price each.....$64.50

6½ inch (165mm.) F:2.7
CARL ZEISS TESSAR
In barrel, covers 4x5 inches.
Price each.....$129.50

(Continued on page 37)

Specify Number 3601R when ordering any of the Lenses listed in the above group.
WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 36)

6½ inch (165mm.) F:6.3
CARL ZEISS TRIOTAR
In O. S. Compur 1-1/200 sec, covers 4x5 inches.
Price each $42.50

7⅛ inch (180mm.) F:6.8
ANASTIGMAT IN SHUTTER
Self-cocking shutter covers 5x7 in.
Price each $34.50

7 inch (180mm.) F:6.3
BAUSCH & LOMB TESSAR IIb
In barrel with iris, covers 5x7 in.
Price each $37.50

7⅛ inch (175mm.) F:7
BAUSCH & LOMB PROTAR VIIa
In Universal shutter, also 11⅜ and 13⅞ inch focus, covers 5x7 inches.
Price each $109.50

7⅛ inch (180mm.) F:7
BAUSCH & LOMB PROTAR VIIa
Also 11⅜ and 13⅞ inch focus, in barrel, covers 5x7 inches.
Price each $99.50

7½ inch (190mm.) F:6.3
BAUSCH & LOMB TESSAR
In Ilex shutter, covers 5x7 inches.
Price each $39.50

7½ inch (190mm.) F:4.5
B. & L. TESSAR SERIES Ic
In barrel, covers 5x7 inches.
Price each $49.50

7½ inch (190mm.) F:3.5
COOKE ANASTIGMAT SERIES IIa
In half sunk barrel, covers 5x7 inches.
Price each $139.50

7⅛ inch (180mm.) F:4.5
COOKE SERIES II
In barrel with iris, covers 5x7 in.
Price each $54.50

7¾ inch (190mm.) F2.5
TAYLOR HOBSON COOKE series x
In barrel with iris diaphragm, covers 4x5 inches.
Price each $198.50

7½ inch (185mm.) F:5.5
DIALYTAR Double ANASTIG.
In barrel, covers 5x7 inches.
Price each $34.50

7⅛ inch (180mm.) F:2.7
ERNEMANN SPEED LENS
In compound shutter, covers 4x6 in.
Price each $144.50

7⅛ inch (180mm.) F:4.5
ERNEMAN ERNOTAR
In Focusing mount, covers 5x7 in.
Price each $44.50

7 inch (180mm.) F:6.8
GOERZ DAGOR
In Compur shutter, covers 5x7 in.
Price each $87.50

7 inch (180mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, covers 5x7 inches.
Price each $74.50

7⅛ inch (180mm.) F:7.7
GOERZ (Berlin) DAGOR Series III
In Ibsor self-cocking shutter, covers 5x7 inches.
Price each $67.50

7⅛ inch (180mm.) F:6.8
GOERZ DAGOR
In Universal shutter, covers 5x7 in.
Price each $84.50

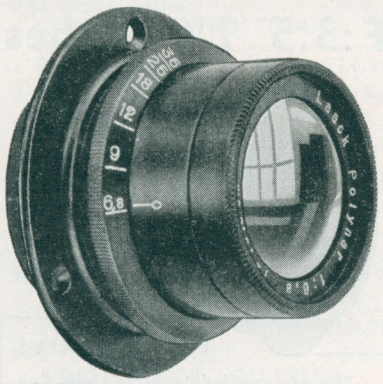
7⅛ inch (180mm.) F:4.5
GOERZ DOGMAR
In focusing mount, covers 5x7 inches.
Price each $59.50

7⅛ inch (180mm.) F:6.3
GOERZ (BERLIN) DOGMAR
Perle shutter, covers 5x7 inches.
Price each $49.50

7 inch (175mm.) F:3
HUGO MEYER TRIOPLAN
In focusing mount, covers 4x5 inches.
Price each $52.50

7 inch (175mm.) F:6.8
HUGO MEYER Double Anastig.
In barrel with iris, covers 4x6 inches.
Price each $49.50

7½ inch (190mm.) F:5.5
KOEHLER (U.S.A.) Anastigmat
In barrel with iris, covers 5x7 in.
Price each $34.50



FOR ENLARGING—Highly recommended for use in enlarging where it may be used to cover negatives up to 5x7 inches. Projects a brilliant image, faithfully reproducing the finest detail of the negative.

BARGAIN!

6½ in. F:4.5

IMPORTED ANASTIGMATS

A fine all around lens, ideal for use in making negatives—and highly recommended for use in enlarging. Fully corrected. Provides sharp, critical definition. A fortunate cash purchase enables us to offer them at this extremely low price.

PRICE EACH, ONLY $29.50

Specify Number 3702R when ordering.

ON THE CAMERA

Used on the camera these fine anastigmat lenses produce negatives of exceptional crispness and brilliance. Its fine correction and full covering power makes for even brilliance over the entire negative.

7½ inch (190mm.) F:7.7
KODAK ANASTIGMAT
In Kodak shutter 1/25 sec. to 1/100, covers 5x7 inches.
Price each $24.50

7½ inch (190mm.) F:4.5
EASTMAN KODAK ANASTIGMAT
In barrel. covers 5x7 inches.
Price each $44.50

7½ inch (190mm.) F:8
EASTMAN PROJECTION LENS
In barrel.
Price each $22.50

7½ inch (190mm.) F:4.5
E. K. PROJECTION LENS
In barrel with metal iris, cover 5x7 inches.
Price each $39.50

7⅛ inch (180mm.) F:4.5
LAACK ANASTIGMAT
In Perle Rapid shutter, one sec. to 1/200, covers 5x7 inches.
Price each $59.50

7⅛ inch (180mm.) F:4.5
LAACK ANASTIGMAT
In barrel, covers 5x7 inches.
Price each $37.50

7⅛ inch (180mm.) F:6.8
LEITMEYER SYTAR
In barrel with iris, covers 5x7 in.
Price each $29.50

7⅛ inch (180mm.) F:2.9
PLAUBEL ANTI COMAR
In barrel with iris, covers 5x7 inches.
Price each $99.50

7⅛ inch (180mm.) F:5.5
PRECISION ANASTIGMAT
In Perle shutter, 1-1/200 sec. covers 5x7 inches.
Price each $49.50

7½ inch (190mm.) F:4.5
QUARTZ LENS (Hanovia Kalosat)
In barrel with iris, covers 4x5 inches.
Price each $29.50

7 inch (175mm.) F:7.7
RODENSTOCK ANASTIGMAT
In barrel with iris, covers 4x6 in.
Price each $19.50

7⅛ inch (180mm.) F:7.5
RODENSTOCK EUSTIGMAT
In barrel with iris, covers 4x6 in.
Price each $29.50

7⅛ inch (180mm.) F:6.8
STEINHEIL ORTHOSTIGMAT
In barrel, covers 5x7 inches.
Price each $59.50

7⅛ inch (180mm.) F:6.8
STEINHEIL UNOFOCAL
In barrel with iris, covers 5x7 in.
Price each $34.50

7⅛ inch (180mm.) F:4.5
STEINHEIL UNOFOCAL
In barrel with iris, covers 5x7 in.
Price each $59.50

7⅛ inch (180mm.) F:3.5
SCHNEIDER XENAR
In half sunk mount for Graflex, with iris diaphragm, covers 4x5 inches.
Price each $64.50

7⅛ inch (180mm.) F:3.5
STEINHEIL CASSAR
In sunk mount for Graflex, will cover 4x6 inches.
Price each $46.50

7⅛ inch (180mm.) F:4.5
VOIGTLANDER HELIAR
In barrel with iris, covers 5x7 in.
Price each $64.50

7 inch (175mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In Universal shutter, 1 second to 1/100 second, covers 5x7 inches.
Price each $54.50

7 inch (180mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In barrel, covers 5x7 inches.
Price each $39.50

7⅛ inch (180mm.) F:4.5
CARL ZEISS TESSAR
In barrel, covers 5x7 inches.
Price each $56.50

7⅛ inch (180mm.) F:4.5
CARL ZEISS TESSAR
In Perle Rapid shutter, one second to 1/200, covers 4¾x6½ inches.
Price each $74.00

7⅛ inch (180mm.) F:6.3
CARL ZEISS TESSAR
Sunk mount with iris, covers 5x7 in.
Price each $39.50

7¼ inch (185mm.) F:7
CARL ZEISS PROTAR VIIa
In barrel with iris, covers 4x5 in., also 11½ and 14 inches focus.
Price each $99.50

8¼ inch (210mm.) F:4.5
ANASTIGMAT LENS (Imported)
In barrel with iris, covers 5x7 inches.
Price each $44.50

8¼ inch (210mm.) F:6.3
ANASTIGMAT LENS (Imported)
In self-cocking shutter to 1/100 sec., covers 5x7 inches.
Price each $39.50

8 inch (200mm.) F:4.5
ANASTIGMAT LENS (Imported)
Exceptional value. Lens in focusing Mount, covers 5x8 inches.
Price each $49.50

7⅞ inch (200mm.) F:6.3
BAUSCH & LOMB PROTAR VIIa
In barrel, also 13⅞ in. focus, covers 6x8 inches.
Price each $109.50

8⅝ inch (215mm.) F:7
BAUSCH & LOMB, PROTAR VIIa
In self-cocking shutter 1/100 to 1 sec. also 16⅜ and 13⅞ focus, covers 5x7 inches.
Price each $119.50

8¼ inch (210mm.) F:4.5
BAUSCH & LOMB TESSAR Ic
In self-cocking shutter one second to 1/100 covers 5x8 inches.
Price each $74.50

8½ inch (215mm.) F:4.5
BAUSCH & LOMB TESSAR Ic
In barrel, covers 5x8 inches.
Price each $59.50

(Continued on page 38)

Specify Number 3701R when ordering any of the Lenses listed in the above group.
PLEASE NOTE: PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 37)

8 3/8 inch (215mm.) F:6.3
BAUSCH & LOMB TESSAR IIb
In barrel with iris, covers 5x8 in.
Price each $44.50

8 1/4 inch (210mm.) F:3.1
BUSCH ANASTIGMAT
In barrel with iris, covers 5x7 in.
Price each $74.50

8 inch (200mm.) F:4.5
COOKE ANASTIGMAT
In barrel with iris, covers 5x7 in.
Price each $57.50

8 1/4 inch (210mm.) F:4.5
COOKE AVIAR Series II
In barrel with iris, covers 5x7 in.
Price each $79.50

8 1/2 inch (225mm.) F:6.5
COOKE ANASTIGMAT III
In barrel with iris, covers 5x7 inches.
Price each.....$57.50

8 1/4 inch (210mm.) F:4.5
COOKE ANASTIGMAT II
In barrel with iris, also separate element to give 12 3/4 in. focus, covers 5x7 inches.
Price each.....$96.50

8 inch (200mm.) F:5.6
COOKE SERIES IV
In barrel, covers 5x7 inches.
Price each.....$98.50

8 inch (200mm.) F:2.9
DALLMEYER PENTAC
In barrel with iris, covers 4x5 inches.
Price each.....$139.50

8 1/4 inch (210mm.) F:6.3
DALLMEYER Series IV
In barrel with iris, covers 5x7 in.
Price each $44.50

8 1/4 inch (210mm.) F:4.5
SCHULTZ EURYPLAN IV
In Perle Rapid, 1 second to 1/200, covers 7x9 inches.
Price each $129.50

8 1/4 inch (210mm.) F:6.3
FRENCH ANASTIGMAT
In self-cocking shutter 1 second to 1/100, covers 5x7 inches.
Price each $47.50

8 1/4 inch (210mm.) F:5
GOERZ DOUBLE ANASTIGMAT
In barrel with iris, covers 5x7 in.
Price each $49.50

8 1/4 inch (210mm.) F:6.8
GOERZ DAGOR
In self-cocking shutter, covers 5x8 inches.
Price each.....$99.50

8 1/4 inch (210mm.) F:7.7
GOERZ DAGOR
In Ibsor shutter, covers 5x7 inches.
Price each.....$83.50

8 1/4 inch (210mm.) F:6.8
GOERZ DAGOR Series III
In barrel with iris.
Price each $89.50

8 1/4 inch (210mm.) F:4.5
GOERZ DOGMAR
In focusing mount, covers 5x7 in.
Price each $69.50

8 1/2 inch (215mm.) F:4.5
GUNDLACH RADAR
In shallow mount with iris, covers 5x7 inches.
Price each.....$49.50

8 inch (210mm.) F:5.6
GUNDLACH TRIPLE Convertiable
In barrel with iris, also 13-18 inch focus.
Price each $39.50

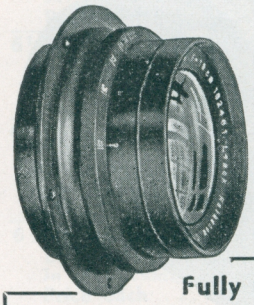
8 1/4 inch (210mm.) F:6.3
HERMAGIS ANASTIGMAT
In barrel, covers 5x7 inches.
Price each.....$32.50

8 inch (200mm.) F:4.5
HERMAGIS HELLOR ANAST.
In self-cocking shutter, covers 5x7 in.
Price each.....$52.50

8 1/4 inch (210mm.) F:4
HUGO MEYER Double PLASMAT
In barrel with iris, also 14 inch focus, covers 5x7 inches.
Price each $89.50

8 1/4 inch (210mm.) F:4
HUGO MEYER Double PLASMAT
In barrel with iris, covers 5x7 in.
Price each $99.50

F:3.5 7 1/8 inches



Barrel With Iris Covers 5x7 in.

Fully Corrected

We are enabled to offer these fine imported anastigmats at a fraction of their real value. Direct from the optical bench, they are fully corrected —of sharp, critical definition—full covering power—and corrected for color. Will cover plate sizes to 5x7 inches. In barrel with iris diaphragm. A guaranteed value.

NOW ONLY..... **$49.50**

Specify No. 3802R when ordering.

8 1/4 inch (210mm.) F:6.8
HUGO MEYER DOPPEL Aanastig.
In barrel with iris.
Price each $39.50

8 1/2 inch (215mm.) F:3.5
KOEHLER (U.S.A.) ANASTIG.
In barrel with iris, covers 5x7 in.
Price each $49.50

8 1/4 inch (210mm.) F:4.5
IMPORTED ANASTIGMAT
In sunk mount, covers 5x7 inches.
Price each.....$49.50

8 1/4 inch (210mm.) F:6.3
LAACK ANASTIGMAT
In focusing mount, covers 5x7 inches.
Price each.....$46.50

8 1/4 inch (210mm.) F:9
LAACK ANASTIGMAT
In barrel, covers 5x7 inches.
Price each.....$27.50

8 1/4 inch (210mm.) F:6.8
LAACK ANASTIGMAT
Cooke type lens in barrel, will cover 5x7 inches.
Price each.....$27.50

8 1/4 inch (210mm.) F:3.5
LAACK DOUBLE ANASTIGMAT
In barrel, covers 5x7 inches.
Price each.....$74.50

8 1/4 inch (210mm.) F:4.5
LAACK ANASTIGMAT SERIES T
In barrel, covers 5x7 inches.
Price each.....$54.50

7 7/8 inch (195mm.) F:6.3
LEITMEYER SYTAR
In barrel with iris, covers 5x7 in.
Price each $29.50

8 1/2 inch (215mm.) F:4.5
KODAK ANASTIGMAT
In barrel with iris, covers 5x8 in.
Price each $54.50

8 3/4 inch (220mm.) F:4.5
KOLLMORGEN DOUBLE ANAST.
In barrel with iris, covers 5x7 inches.
Price each.....$39.50

8 inch (200mm.) F:4.5
QUARTZ ANASTIGMAT LENS
In Universal shutter, covers 5x7 in.
Price each.....$54.50

8 1/4 inch (210mm.) F:6.8
RODENSTOCK ANASTIGMAT
Double Anastigmat Series I in barrel, covers 5x7 inches.
Price each.....$29.50

8 inch (200mm.) F:7.7
RODENSTOCK APLANAT
In barrel, covers 5x7 inches.
Price each.....$22.50

8 1/4 inch (210mm.) F:8
RODENSTOCK APLANAT ANAST.
In barrel, covers 5x7 inches.
Price each.....$24.50

8 1/2 inch (215mm.) F:4.5
ROSS AIRO
In barrel with iris, covers 5x7 in.
Price each $64.50

8 1/2 inch (215mm.) F:6.3
ROSS ANASTIGMAT
In barrel with iris, covers 5x7 in.
Price each $57.50

8 1/2 inch (215mm.) F:2.9
ROSS XPRESS
In barrel with iris, covers 5x7 in.
Price each $119.50

8 inch (200mm.) F:4.5
ROSS EXPRESS ANASTIGMAT
Exceptional value. Lens in barrel with iris diaphragm, covers 5x8 inches.
Price each.....$49.50

8 1/4 inch (210mm.) F:3.5
SCHNEIDER XENAR
Anastigmat lens in sunk mount for Graflex, etc., covers 5x7 inches.
Price each $92.50

8 1/4 inch (210mm.) F:3.5
STEINHEIL CASSAR
In barrel, covers 5x7 inches.
Price each.....$99.50

8 1/4 inch (210mm.) F:4.5
STEINHEIL UNOFOCAL Anastig.
In sunk mount, will cover 5x7 inches.
Price each.....$49.50

8 1/4 inch (200mm.) F:5.4
VOIGTLANDER COLLINEAR
In barrel with iris, covers 5x7 in.
Price each $79.50

8 inch (200mm.) F:7.7
VOIGTLANDER COLLINEAR
In barrel with iris, covers 6x8 inches.
Price each.....$44.50

8 1/4 inch (210mm.) F:3.5
VOIGTLANDER HELIAR
In sunk mount, covers 5x7 inches.
Price each.....$98.50

8 inch (200mm.) F:4
ZEISS PLANAR
In barrel with iris, covers 5x7 inches.
Price each.....$69.50

8 1/4 inch (210mm.) F:4.5
WOLLENSAK VELOSTIGMAT II
In barrel, covers 5x7 inches.
Price each.....$49.50

8 1/4 inch (210mm.) F:6.3
CARL ZEISS PROTAR IV
In barrel, also 18 inch focus.
Price each $94.50

8 1/2 inch (215mm.) F:7.2
CARL ZEISS PROTAR VIIa
In barrel with iris, also 14" and 16 3/8 inch focus, covers 5x7 inches.
Price each.....$112.50

8 1/4 inch (210mm.) F:4.5
CARL ZEISS TESSAR
In barrel, covers 5x7 inches.
Price each.....$69.50

8 1/4 inch (210mm.) F:3.5
CARL ZEISS TESSAR
In barrel, covers 5x7 inches.
Price each $144.50

9 3/8 inch (240mm.) F:6.3
BAUSCH & LOMB PROTAR VIIa
In barrel, also 16 1/8 inch focus, will cover 5x8 inches.
Price each $124.50

9 1/2 inch (240mm.) F:7.5
BAUSCH & LOMB PLASTIGMAT
In barrel with iris.
Price each $69.50

9 3/4 inch (245mm.) F:4.5
BAUSCH & LOMB TESSAR Ic
Anastigmat lens in barrel, will cover 6 1/2x8 1/2 inches.
Price each.....$94.50

9 3/4 inch (245mm.) F:4.5
BAUSCH & LOMB TESSAR Ic
In self-cocking shutter to 1/100th sec covers 6 1/2x8 1/2 inches.
Price each $124.50

10 inch (250mm.) F:4.5
BAUSCH & LOMB (Zeiss) ANAST
In barrel with iris, covers 5x7 inches.
Price each.....$69.50

10 inch (250mm.) F:8
BAUSCH & LOMB PROTAR IIa
In General shutter 1/5-1/100 second. Covers 8x10 inches.
Price each.....$79.50

(Continued on page 39)

Specify Number 3801R when ordering any of the Lenses listed in the above group.
WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 38)

9¼ inch (230mm.) F:2.5
COOKE ANASTIGMAT SERIES X
In sunk mount, covers 5x7 inches.
Price each.....$275.00

9½ inch (240mm.) F:5.6
EURYPLAN ANASTIGMAT
Semi wide-angle in barrel with iris, covers 7x9½ inches.
Price each.....$140.00

9½ inch (240mm.) F:6.3
EASTERN OPTICAL ANASTIG.
In barrel with iris, covers 6½x8½.
Price each.....$44.50

9½ inch (240mm.) F:7.7
GOERZ DAGOR III
In self-cocking shutter, covers 7x9".
Price each.....$103.50

9½ inch (240mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel with iris, covers, 6½x8½". 8½ inch.
Price each.....$117.50

9½ inch (240mm.) F:7.7
GOERZ (Berlin) DAGOR
In barrel with iris, covers 7x9 inches.
Price each.....$89.50

9½ inch (240mm.) F:6.8
GOERZ DAGOR SERIES III
In self-cocking shutter, covers 6½x 8½ inches.
Price each.....$136.50

9½ inch (240mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, covers 7x9 inches.
Price each.....$117.50

10 inch (250mm.) F:8
GOERZ GOTAR
In barrel with iris, covers 6½x8½".
Price each.....$82.50

9½ inch (240mm.) F:4
HUGO MEYER DOUBLE PLASMAT
In barrel with iris, also 18 in. focus, covers 5x7 inches.
Price each.....$129.50

9½ inch (240mm.) F:6.8
HUGO MEYER TRIOPLAN
In barrel with iris, covers 6x9 inches.
Price each.....$42.50

10 inch (250mm.) F:3.5
GOERZ DOGMAR
In barrel with iris, covers 7x9 in.
Price each.....$129.50

9½ inch (240mm.) F:7.7
IMPORTED ANASTIGMAT
In barrel with iris, covers 6x8 in.
Price each.....$39.50

10 inch (250mm.) F:4.5
KODAK HAWKEYE ANASTIGMAT
In aerial mount, covers 5x7 inches.
Price each.....$44.50

10 inch (250mm.) F:4.5
KODAK ANASTIGMAT
In barrel with iris, covers 6½x8½ in.
Price each.....$89.50

9½ inch (240mm.) F:6.8
LAACK ANASTIGMAT
Cooke type lens in barrel, will cover 5x7 inches.
Price each.....$44.50

10 inch (250mm.) F:5.5
LEITMEYER ANASTIGMAT
In barrel, will cover 5x7 inches, fully guaranteed—new.
Price each.....$39.50

9¾ inch (240mm.) F:4.5
SCHNEIDER XENAR
In barrel, covers 6½x8½ inches.
Price each.....$108.00

9½ inch (240mm.) F:4.5
STEINHEIL UNOFOCAL Anastig.
In barrel, covers 5x7 inches.
Price each.....$66.50

9½ inch (240mm.) F:3.5
SCHNEIDER XENAR
In barrel, covers 5x7 inches.
Price each.....$112.50

9½ inch (240mm.) F:6.8
STEINHEIL UNOFOCAL
In barrel with iris covers 6x8 in.
Price each.....$59.50

9¾ inch (240mm.) F:6.8
STEINHEIL ORTHOSTIGMAT
In barrel with iris, cover 7x9 inches.
Price each.....$79.50

9¾ inch (240mm.) F:3.8
STEINHEIL TRIPLAR ANASTIG.
In barrel, covers 5x7 inches.
Price each.....$98.50

10 inch (250mm.) F:3.5
STEINHEIL CASSAR
In barrel with iris, covers 6½x8½.
Price each.....$97.50

10 inch (250mm.) F:6.3
STERLING ANASTIGMAT
In barrel with iris, covers 6x8 inches.
Price each.....$19.50

9⅞ inch (250mm.) F:6.3
VOIGTLANDER COLLINEAR
In Betax shutter ½ to 1/50 second, covers 6x9 inches.
Price each.....$119.50

9½ inch (240mm.) F:4.5
VOIGTLANDER HELIAR
In shallow barrel with iris, covers 5x8 inches.
Price each.....$79.50

10 inch (250mm.) F:5.6
VOIGTLANDER COLLINEAR
In barrel with iris, covers 6x8 in.
Price each.....$129.50

9¾ inch (240mm.) F:6.3
VOIGTLANDER COLLINEAR II
In barrel, covers 5x7 inches.
Price each.....$89.50

9½ inch (240mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In barrel, covers 5x7 inches.
Price each.....$64.50

10 inch (250mm.) F:6.3
CARL ZEISS TESSAR
In barrel with iris, covers 6x8 in.
Price each.....$94.50

10½ inch (260mm.) F:8
BAUSCH & LOMB SERIES II
In barrel, covers 5x7 inches.
Price each.....$59.50

10½ inch (240mm.) F:3.5
COOKE Series IIa
In barrel with iris.
Price each.....$119.50

11 inch (275mm.) F:5.6
COOKE IV ANASTIGMAT
In barrel with iris, covers 8x10 inch.
Price each.....$86.50

10 inch (250mm.) F:3.5
ERNEMANN ANASTIGMAT
With iris diaphragm, covers 7x9 in.
Price each.....$94.50

10¾ inch (270mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, covers 7x9 inches.
Price each.....$134.50

10¾ inch (270mm.) F:6.8
GOERZ DAGOR SERIES III
In Ilex shutter, will cover 7x9 inches.
Price each.....$162.00

10¾ inch (270mm.) F:7.7
GOERZ DAGOR
In Universal shutter, covers 7x9 in.
Price each.....$119.50

10½ inch (265mm.) F:6.8
GUNDLACH ANASTIGMAT
In Universal shutter 1-1/100 sec., covers 6x8 inches.
Price each.....$57.50

10½ inch (265mm.) F:6.3
EASTERN OPTICAL (U.S.A.)
In Betax shutter ½ to 1/50 second, covers 6½x8½ inches.
Price each.....$84.50

10¾ inch (270mm.) F:4.5
HERMAGIS (Paris)
Anastigmat in barrel with iris, covers 6½x8½ inches.
Price each.....$59.50

10½ inch (265mm.) F:3.3
HUGO MEYER TRIOPLAN
In compound, 1 to 1/50, covers 5x8".
Price each.....$129.50

10⅝ inch (265mm.) F:4
HUGO MEYER DOUBLE PLASMAT
In barrel with iris, covers 7x9 inches.
Price each.....$129.50

10½ inch (240mm.) F:5.6
KRAUSS TESSAR
In barrel with iris.
Price each.....$69.50

10¾ inch (270mm.) F:6.8
LAACK ANASTIGMAT
In barrel, covers 5x7 inches.
Price each.....$59.50

10¼ inch (260mm.) F:7.7
RODENSTOCK Ex. Rapid Aplanat
In barrel with iris, covers 6½x8½.
Price each.....$42.50

10¾ inch (270mm.) F:7.5
SCHULZE EURYPLAN
In barrel with iris, covers 8x10 in.
Price each.....$109.50

10½ inch (270mm.) F:6.8
TURNER-REICH CONVERTIBLE
In barrel with iris, covers 6½x8½, also 18 in. and 24 inch focus.
Price each.....$88.50

10½ inch (270mm.) F:6.8
TURNER-REICH ANASTIGMAT
In Universal shutter, 1 sec., to 1/100, also 18-24 in. focus, covers 6½x8½ inches.
Price each.....$104.50

11 inch (280mm.) F:7.7
VOIGTLANDER COOKE TRIPLE ANASTIGMAT III
In barrel with iris, covers 6½x9 in.
Price each.....$49.50

10 inch (250mm.) F:4.5
CARL ZEISS TESSAR
In barrel, covers 5x7 inches.
Price each.....$103.50

11⅞ inch (300mm.) F:7
BAUSCH & LOMB PROTAR VIIa
Also 18⅞ and 23¼ in barrel with iris, covers 8x10 inches.
Price each.....$149.50

12 inch (300mm.) F:4.2
B & L ZEISS PLANAR
In barrel, covers 7x9 inches.
Price each.....$99.50

11⅞ inch (300mm.) F:8
BAUSCH & LOMB PROTAR IIa
Anastigmat in barrel, covers 10x12 in.
Price each.....$79.50

11⅞ inch (300mm.) F:4.5
BAUSCH & LOMB TESSAR Ic
In Universal shutter, covers 8x10 in.
Price each.....$179.50

11⅞ inch (300mm.) F:4.5
BAUSCH & LOMB TESSAR Ic
In barrel, covers 8x10 inches.
Price each.....$144.50

11⅞ inch (300mm.) F:7
BAUSCH & LOMB PROTAR VIIa
In Universal shutter, covers 8x10 in. also 19 inch and 23¼ inch focus.
Price each.....$199.50

11⅞ inch (300mm.) F:7
BAUSCH & LOMB PROTAR VIIa
In compound shutter, covers 8x10 in. also 19 inch and 23¼ inch focus.
Price each.....$219.50

12 inch (300mm.) F:6.3
BAUSCH & LOMB TESSAR
In barrel with iris, covers 8x10.
Price each.....$119.50

12½ inch (315mm.) F:6.3
BAUSCH & LOMB TESSAR
In Betax shutter ½-1/50 sec., covers 8x10 inches.
Price each.....$139.50

12 inch (300mm.) F:4.5
BEACH-MULTI-FOCAL Series B (WOLLENSAK)
In Betax (½ to 1/50) covers 8x10 in.
Price each.....$99.50

12 inch (300mm.) F:4.5
BUSCH PERSCHEID
In compound shutter with K1 filter, covers 8x10 inches.
Price each.....$99.50

11.3 inch (290mm.) F:6.5
COOKE ANASTIGMAT
In compound shutter, covers 8x10 in.
Price each.....$87.50

(Continued on page 40)

Specify Number 3901R when ordering any of the Lenses listed in the above group.

PLEASE NOTE: PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 39)

12 inch (300mm.) F:2.9
DALLMEYER PENTAC
In barrel with iris, covers 8x10 in.
Price each.....$159.50

12 inch (300mm.) F:5.5
GOERZ CELOR
In barrel with iris, covers 8x10 in.
Price each.....$79.50

12 inch (300mm.) F:6.3
EASTERN OPTICAL DBL. ANAST.
In barrel with iris, covers 8x10 inch.
Price each.....$37.50

12 inch (300mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, covers 8x10 inches.
Price each.....$146.50

12 inch (300mm.) F:6.8
GOERZ DAGOR SERIES III
In Universal shutter, 1 sec., to 1/100, covers 8x10 inches.
Price each.....$182.00

12 inch (300mm.) F:5.5
HUGO MEYER PLASMAT
In barrel, will cover 8x10 inches.
Price each.....$114.50

12 inch (300mm.) F:4
HUGO MEYER Double PLASMAT
In barrel, also 19¾ inch focus, covers 8x10 inches. Excellent for three color separation.
Price each.....$139.50

12 inch (300mm.) F:6.8
HUGO MEYER ARISTIGMAT
In barrel with iris, covers 8x10 inch.
Price each.....$92.50

12 inch (300mm.) F:4.9
HUGO MEYER Double Plasmat
In barrel with iris, covers 8x10 in.
Price each.....$119.50

12 inch (300mm.) F:6.3
LEITMEYER ANASTIGMAT
In barrel, will cover 8x10 inches.
Price each.....$44.50

12 inch (300mm.) F:6.3
LEITMEYER ANASTIGMAT
In Universal shutter, 1 sec. to 1/50, covers 8x10 inches.
Price each.....$79.50

12 inch (300mm.) F:5.5
PRECISION ANASTIGMAT
In barrel, covers 8x10 inches.
Price each.....$84.50

12 inch (300mm.) F:8
ROSS HOMOCENTRIC
In barrel with waterhouse stops, covers 8x10 inches.
Price each.....$69.50

12 inch (300mm.) F:6.8
SCHNEIDER DOUBLE ANASTIG.
In barrel, covers 8x10 inches.
Price each.....$92.50

12 inch (300mm.) F:3.5
SCHNEIDER XENAR
In barrel, covers 8x10 inches, world renowned speed lens.
Price each.....$172.00

12 inch (300mm.) F:4.5
SCHNEIDER XENAR
In barrel, covers 8x10 inches.
Price each.....$139.50

12 inch (300mm.) F:3.8
STEINHEIL TRIPLAR
In barrel with iris. Covers 8x10 inch.
Price each.....$109.50

12 inch (300mm.) F:4.5
STEINHEIL DBL. ANASTIGMAT
In Compound shutter, covers 8x10 in.
Price each.....$149.50

12 inch (300mm.) F:7.5
TURNER REICH Triple Convertible
In Universal shutter also 21 inches and 28 inches.
Price each.....$109.50

12 inch (300mm.) F:6.8
TURNER-REICH ANASTIGMAT
In self-cocking shutter, 1 to 1/50, sec., also 21-28 in. focus covers 8x10 inches.
Price each.....$124.50

12 inch (300mm.) F:6.8
TURNER-REICH CONVERTIBLE
In Compound shutter, also 21 and 28 inch focus, covers 8x10 inches.
Price each.....$134.50

12 inch (300mm.) F:7.5
TURNER-REICH ANASTIGMAT
In barrel, covers 8x10 inches.
Price each.....$84.50

11⅞ inch 300mm.) F:6.3
VOIGTLANDER COLLINEAR
In barrel with iris, covers 8x10 in.
Price each.....$129.50

12 inch (300mm.) F:7.7
VOIGTLANDER COLLINEAR
In barrel with iris, covers 8x10 inch.
Price each.....$99.50

12 inch (300mm.) F:4.5
VOIGTLANDER HELIAR
In barrel with iris, covers 8x10 in.
Price each.....$119.50

11⅞ inch (295mm.) F:6.3
VOIGTLANDER COLLINEAR
In barrel with iris, covers 8x10 in.
Price each.....$119.50

12 inch (300mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In barrel, covers 8x10 inches.
Price each.....$89.50

12½ inch (315mm.) F:6.3
WOLLENSAK TRIPLE CONVERTIBLE VELOSTIGMAT
In shutter ½ second to 1/50 second, also 20 and 27 inch focus, covers 8x10 inches.
Price each.....$89.50

12 inch (300mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In self-cocking shutter, 1 to 1/50th covers 8x10 inches.
Price each.....$109.50

12 inch (300mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In Studio shutter, covers 8x10 inches.
Price each.....$109.50

12 inch (300mm.) F:4.5
CARL ZEISS TESSAR
In barrel, covers 8x10 inches.
Price each.....$194.50

12 inch (300mm.) F:3.5
CARL ZEISS TESSAR
In barrel, covers 8x10 inches.
Price each.....$318.50

12 inch (320mm.) F:9
CARL ZEISS APO-TESSAR
In Betax shutter, covers 8x10 in.
Price each.....$149.50

14 inch (350mm.) F:6.3
BAUSCH & LOMB TESSAR
In Universal shutter 1-1/100 second. Covers 10x12 inches.
Price each.....$129.50

13 inch (320mm.) F:5.6
COOKE ANASTIGMAT
In Ilex shutter, covers 8x10 inches.
Price each.....$89.50

13 inch (325mm.) F:8
DALLMEYER RAPID RECT.
In barrel with Waterhouse stops, covers 8x10 inches.
Price each.....$24.50

13 inch (310mm.) F:4.3
HUGO MEYER Double PLASMAT
In barrel with iris, also 20 and 24 inch focus, covers 8x10 inches.
Price each.....$199.50

14 inch (350m.) F:4.5
RODENSTOCK EURYNAR
In barrel with iris, covers 8x10 in.
Price each.....$119.50

14 inch (350mm.) F:7.7
RODENSTOCK SPEED APLANAT
In barrel, covers 10x12 inches with exceptionally flat field.
Price each.....$62.50

14 inch (355mm.) F:4
STEINHEIL CASSAR ANASTIG.
In barrel, covers 10x12 inches.
Price each.....$115.00

14 inch (350mm.) F:9
TURNER-REICH Anastig. Series V
Process, in barrel with iris, covers 10x12 inches.
Price each.....$99.50

14 inch (350mm.) F:6.8
TURNER-REICH ANASTIG. III
In barrel with iris, also 28 inch focus, covers 10x12 inches.
Price each.....$139.50

14 inch (360mm.) F:4.5
VOIGTLANDER HELIAR
In barrel with iris, covers 8x10 in.
Price each.....$139.50

14 inch (350mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In barrel with iris, covers 10x12 in.
Price each.....$109.50

14 inch (350mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In Studio shutter, covers 10x12 in.
Price each.....$119.50

14 inch (350mm.) F:4.5
CARL ZEISS TESSAR
In barrel with iris, covers 10x12 inch.
Price each.....$275.00

14½ inch (360mm.) F:6.3
AMERICAN DOUBLE ANASTIG.
In barrel, covers 11x14 inches.
Price each.....$79.50

15½ inch (400mm.) F:4.5
BAUSCH & LOMB TESSAR Ic
In barrel, covers 11x14 inches.
Price each.....$189.50

16 inch (400mm.) F:10
COOKE APO-PROCESS Series IX
In barrel with iris, covers 11x14 in.
Price each.....$149.50

14½ inch (360mm.) F:9
FRIEDRICH CORYGAN
In barrel with iris, covers 10x12 in.
Price each.....$99.50

14½ (360mm.) F:7.7
GOERZ DAGOR SERIES III
In self-cocking shutter, 1 to 1/50 sec. covers 12x20 inches.
Price each.....$225.00

14½ inch (360mm.) F:11
GOERZ BERLIN ANASTIGMAT
In barrel with iris, covers 10x12 in.
Price each.....$99.50

14½ inch (360mm.) F:7.7
GOERZ DAGOR SERIES III
In barrel, covers 12x20 inches.
Price each.....$208.50

16 inch (420mm.) F:8
GRAF SUPER-ANASTIGMAT
In barrel, covers 11x14 inches.
Price each.....$79.50

14¾ inch (360mm.) F:4.5
ILEX PARAGON
In barrel with iris, covers 10x12 in.
Price each.....$109.50

15¾ inch (390mm.) F:4.5
ILEX PARAGON
In barrel with iris, covers 11x14 in.
Price each.....$129.50

14¾ inch (360mm.) F:4.5
ILEX PARAGON
In barrel with iris, covers 10x12 in.
Price each.....$119.50

15 inch (375mm.) F:5.6
ROSS HOMOCENTRIC
In barrel with iris, covers 10x12 inch.
Price each.....$46.50

15½ inch (390mm.) F:6.3
ROSS-ZEISS PROTAR
In barrel with iris, also 27½ inch focus, covers 10x12 inches.
Price each.....$244.50

14½ inch (360mm.) F:4.5
SCHNEIDER XENAR
Anastigmat in barrel, covers 10x12 in.
Price each.....$194.00

14½ inch (360mm.) F:6.8
STEINHEIL ORTHOSTIGMAT
In barrel with iris, covers 10x12 in.
Price each.....$134.50

15½ inch (390mm.) F:6.8
STEINHEIL ANASTIGMAT
In barrel with iris, covers 10x12 in.
Price each.....$99.50

15 inch (380mm.) F:7.5
TURNER-REICH CONVERTIBLE
In Universal shutter, also 24-36 inch focus, covers 11x14 inches.
Price each.....$149.50

15 inch (375mm.) F:7.5
TURNER-REICH CONVERTIBLE
In barrel with iris, also 24 in. and 36 inch focus, covers 11x14 inches.
Price each.....$139.50

(Continued on page 41)

Specify Number 4001R when ordering any of the Lenses listed in the above group.
WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 40)

15½ inch (390mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In studio shutter.
Price each.....$149.50

16 inch (420mm.) F:4.5
WOLLENSAK VELOSTIGMAT II
In barrel, covers 11x14 inches. New condition.
Price each.....$149.50

14½ inch (360mm.) F:4.8
CARL ZEISS TRIPLET
Half sunk mount, covers 7x9 inches.
Price each.....$139.50

14½ inch (360mm.) F:4.5
CARL ZEISS TESSAR
In barrel with iris, covers 10x12 in.
Price each.....$199.50

17 inch (430mm.) F:4.5
BAUSCH & LOMB ZEISS PLANAR
In barrel with iris, covers 11x14 inch.
Price each.....$129.50

16½ inch (450mm.) F:10
B. & L. ZEISS APOCHROMATIC TESSAR Series VIII
In barrel with iris, covers 11x14 in.
Price each.....$189.50

16½ Inch (420mm.) F:4.5
BUSCH PERSHEID
In barrel with iris, covers 11x14 in.
Price each.....$139.50

16½ inch (420mm.) F:5.5
GOERZ CELOR ANASTIGMAT
In barrel with iris, covers 11x14 inch.
Price each.....$94.50

16½ inch (420mm.) F:5.5
GOERZ DOUBLE ANASTIGMAT
In barrel, covers 10x12 inches.
Price each.....$199.50

16½ inch (420mm.) F:5.5
GOERZ DOGMAR
In Universal shutter, cover 10x12 in.
Price each.....$209.50

16½ inch (420mm.) F:7.7
GOERZ DAGOR SERIES III
In barrel, covers 11x14 inches.
Price each.....$249.50

16½ inch (420mm.) F:4.5
GOERZ HYPAR
In barrel with iris, covers 10x12 in.
Price each.....$129.50

18 inch (440mm.) F:4.5
GUNDLACH RADAR ANAST.
In barrel with iris, covers 11x14 in.
Price each.....$99.50

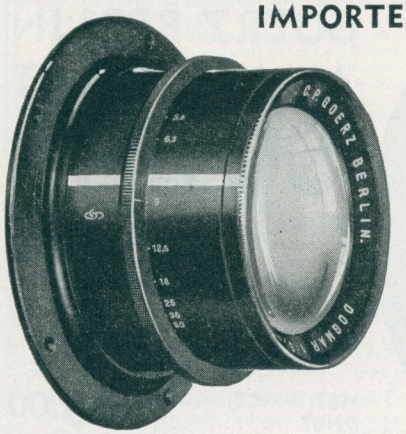
16¼ inch (410mm.) F:8
HERMAGIS (FRENCH) ANST.
Anastigmat in barrel, covers 11x14 in.
Price each.....$99.50

BRAND NEW

IMPORTED ANASTIGMAT LENSES
Goerz DOGMAR

14½ in. focus mount for 8x10 color camera. $119.50
—16½ in. FOCUS
—20 inch FOCUS F:5.5

Combines speed with high correction. Of extremely compact construction, permitting its use on the smaller types of cameras. Its high speed makes it satisfactory for use long focus is desired to secure large image size. Fully corrected for coma and flare. Provided with highest degree of color on action work, sports, etc., where such correction consistent with its large aperture rating. Cuts a critically sharp image. Ideal for studio work on head and shoulder portraits—also for use on photostat machines —lithography, photo engraving, etc.



F:5.5—16½ INCH FOCUS

Mounted in barrel with iris diaphragm. Its focal length of 16½ inches enables it to cover plate sizes up to 10x12 and when used on 8x10 or 5x7 ideal perspective is secured—free from angular distortion. Ideal for studio work, baby portraits, etc., where its large aperture makes instantaneous exposures possible.

REG. VALUE $259.00, NOW ONLY..... $165.00
Specify Number 4102R when ordering.

F:5.5—20 INCH FOCUS

In barrel mount with iris diaphragm. Has focal length of 20 inches. Will cover plate sizes up to 11x14 inches critically sharp to the very corners. Its high color correction makes it ideal for use in all types of color work, etc. Provides ideal perspective on head and shoulder portraits on 8x10 plates. Brand new and fully guaranteed.

SPECIAL, PRICE EACH..... $265.00
Specify Number 4103R when ordering.

16½ inch (420mm.) F:4.4
RODENSTOCK EURYGONAL
In barrel with iris, covers 10x12 in.
Price each.....$89.50

18 inch (450mm.) F:8
ROSS HOMOCENTRIC
In barrel with iris, covers 11x14 inch.
Price each.....$44.50

16½ inch (420mm.) F:9
SCHNEIDER APOCHROMATIC CLARON
In barrel with iris, covers 11x14 in.
Price each.....$139.50

16½ inch (420mm.) F:4.5
STEINHEIL CASSAR
In barrel with iris, covers 11x14 in.
Price each.....$99.50

16½ inch (420mm.) F:4.5
STEINHEIL UNOFOCAL
In barrel with iris, covers 11x14 in.
Price each.....$119.50

16½ inch (420mm.) F:4.5
VOIGTLANDER HELIAR
In barrel with iris, covers 10x12 in.
Price each.....$159.50

17½ inch (440mm.) F:7.7
VOIGTLANDER COLLINEAR
In barrel with iris, covers 11x14 inch.
Price each.....$149.50

16 inch (400mm.) F:4.5
WOLLENSAK VELOSTIGMAT II
In barrel with iris, covers 11x14 in.
Price each.....$139.50

20 inch (500mm.) F:5.6
ALDIS TRIPLE ANASTIGMAT
In Studio shutter, covers 14x17 in.
Price each.....$89.50

20 inch (500mm.) F:5.6
ALDIS TRIPLE ANASTIGMAT
In barrel, covers 11x14 inches.
Price each.....$69.50

19½ inch (500mm.) F:4.5
BAUSCH & LOMB TESSAR Ic
Anastigmat lens, in barrel, will cover 14x17 inches.
Price each.....$239.50

19½ inch (500mm.) F:6.3
BAUSCH & LOMB TESSAR
In barrel with waterhouse stops.
Price each.....$104.50

20 inch (500mm.) F:6.3
BERTHIOT (FRENCH) ANAST.
In barrel, covers 14x17 inches.
Price each.....$89.50

(Continued on page 42)

Specify Number 4101R when ordering any of the Lenses listed in the above group.

B. & L. TESSAR IIb 19½" F:6.3 ANASTIGMAT LENS
—FOR THE MODERN COMMERCIAL OR PORTRAIT STUDIO

SOLD ON A 10-DAY "MONEY BACK" GUARANTEE

- **One of the world's finest lenses and the proven standby of hundreds of commercial and portrait photographers. A Bausch & Lomb product constructed of thin glass elements for minimum light absorption. Its flatness of field, superior sharpness of definition, brilliancy and freedom from distortion extend evenly over the entire field. The chromatic corrections are of such high order that the lens readily lends itself to color photography and process work.**

FOR COMMERCIAL

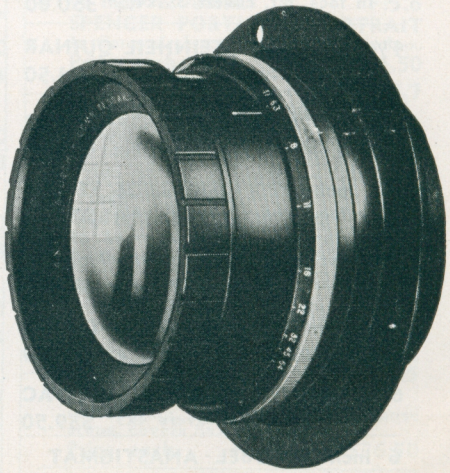
The Commercial Studio specializing in the finer types of photography will find endless uses for a 19½ inch Tessar. Its long focal length makes for improved perspective. Its fine definition enables it to produce those brilliant, sparkling prints that show a wealth of detail shadow, with clean, snappy highlights. Every commercial studio should have one.

FOR PORTRAITURE

The Portrait Studio will find in this lens the ideal unit for fine head and shoulder portraits. It produces perfect modeling. Its long focal length eliminates all distortion of features and for full figures, groups, weddings, etc., it gives you negatives of perfect perspective—sharp and clean to the very edges of the plate. It will help you to produce better negatives.

COVERS 14x17 In. WIDE OPEN—
COVERS 15x20 In. STOPPED DOWN
WORTH $267.00—NOW ONLY..... $119.50
Specify Number 4104R when ordering

SERIES Ic F:4.5—19½ INCH FOCUS, IN BARREL.....$239.00

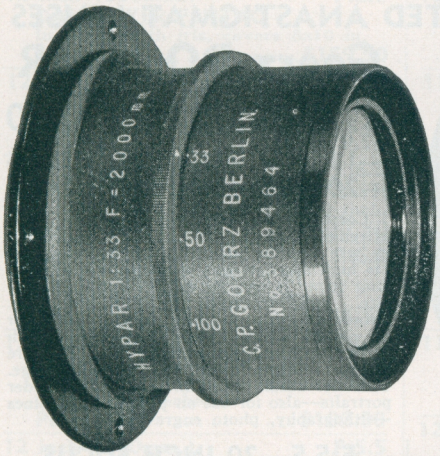


BARREL MOUNT WITH IRIS

PLEASE NOTE: PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

ANASTIGMAT LENSES for ALL GENERAL PHOTOGRAPHIC WORK

(Continued from page 41)



GOERZ BERLIN ANASTIGMAT 80 INCH FOCUS F:33

Scientific workers, astronomers and the photo-engraving profession should welcome this opportunity to secure an 80 in. (2000mm.) lens. Fully corrected, in barrel mount with iris diaphragm. Fully guaranteed. Recommended for all work where an objective of this extreme focal length is necessary.

—WORTH $2500.00—

NET PRICE, ONLY $545.00

Specify Order Number 4202R

19 inch (480mm.) F:8
GOERZ GOTAR
In barrel with iris, has slot for fillers etc., covers 12x16 inches.
Price each $219.50

19½ inch (480mm.) F:7.7
GOERZ DAGOR Series III (Berlin)
In barrel, covers 16x24 inches.
Price each $325.00

19½ inch (480mm.) F:5.5
GOERZ Double Anastigmat
In barrel, covers 14x17 inches, fully guaranteed for color work.
Price each.....$239.50

20 inch (500mm.) F:4.5
HERMAGIS ANASTIGMAT
In barrel with iris, covers 11x14 inches, beautiful portrait lens.
Price each $89.50

19 inch (480mm.) F:6.3
KALOSAT (QUARTZ) LENS
In barrel with iris, covers 14x17 in.
Price each $99.50

20 inch (500mm.) F:6.0
KODAK ANASTIGMAT
In barrel, covers 11x14 inches.
Price each.....$79.50

20 inch (500mm.) F:6.3
KRAUSS TESSAR LENS (French)
In barrel, covers 14x17 inches.
Price each.....$99.50

19 inch (480mm.) F:5.5
HUGO MEYER DOUBLE PLASMAT
In barrel with iris, also 32 inch focus, covers 14x17-16x20 inches. Highly color corrected.
Price each.....$189.50

19 inch (480mm.) F:7.7
HUGO MEYER Double Anastigmat
In barrel, covers 14x17 inches.
Price each.....$129.50

20 inch (500mm.) F:6
CARL MEYER Double Anastigmat
In barrel with iris, covers 14x17 in.
Price each $139.50

19 inch (480mm.) F:9
SCHNEIDER APOCHROMATIC
In barrel with iris, covers 14x17 in.
Price each $179.50

19½ inch (490mm.) F:6.3
STEINHEIL ORTHOSTIGMAT
In barrel with iris, covers 14x17 in.
Price each $169.50

19 inch (475mm.) F:6.8
RODENSTOCK DBL. ANASTIG.
In barrel, covers 14x17 inches.
Price each.....$89.50

20 inch (500mm.) F:7.7
RODENSTOCK R. R. LENS
In barrel with iris, covers 14x17 inch.
Price each.....$39.50

20 inch (500mm.) F:4.5
STEINHEIL UNOFOCAL
In barrel, covers 11x14 inches.
Price each.....$137.50

19½ inch (500mm.) F:4.5
WOLLENSAK VELOSTIGMAT II
In barrel, covers 14x17 inches.
Price each.....$174.50

20 inch (500mm.) F:5
CARL ZEISS TESSAR
In barrel, covers 10x12 inches.
Price each $394.50

22 inch (550mm.) F:16
HARRISON PORTRAIT LENS
In barrel, covers 14x17 inches.
Price each.....$17.50

22½ inch (565mm.) F:6.8
EASTERN OPTICAL ANAST.
In barrel with iris, covers 16x18 inch.
Price each.....$59.50

24 inch (600mm.) F:7.7
GOERZ DAGOR SERIES III
In barrel, covers 16x24 inches.
Price each.....$349.50

24 inch (600mm.) F:20
GOERZ HYPAR
In barrel with iris, covers 8x10 in.
Price each $129.50

24 inch (600mm.) F:4.5
VOIGTLANDER HELIAR
In barrel, covers 14x17 inches.
Price each.....$385.00

24 inch (600mm.) F:8
VOIGTLANDER EURYSCOPE VII
In barrel with Waterhouse stops, covers 14x17 inches.
Price each.....$74.50

23¼ inch (585mm.) F:7.2
CARL ZEISS PROTAR
In barrel with iris covers 16x20 in.
Price each.....$167.50

Specify Number 4201R when ordering any of the Lenses listed in the above group.

SPEED LENSES FOR ADVERSE LIGHT CONDITIONS

High speed lenses can be used for night photography, for theatre shots with ordinary stage lighting and for other work which requires maximum speed and covering power.



4 inch F:2 ERNEMANN ANASTIG.
In focus. mt. covers 2¼x3¼" 99.50

5½ inch F:2 COOKE ANASTIGMAT
In focs. mt. covers 3¼x4¼" 350.00

4⅛ inch F:2.7 STEINHEIL QUINAR
In barrel covers 2¼x3¼ in. $44.50

5½ inch F:2.9 DALLMEYER Pentac
In focus. mt. covers 3¼x4¼" $79.50

4¾ inch F:2.7 CARL ZEISS TESSAR
In focus. mt. covers 3¼x4¼" $74.50

5¼ inch F:1.9 Reitzschel Prolinear
In barrel covers 3¼x4¼ in. $79.50

5⅝ inch F:2.7 CARL ZEISS TESSAR
In barrel covers 3¼x4¼ in. $94.50

6 inch F:2.9 DALLMEYER PENTAC
In sunk mount covers 4x5" $89.50

6 inch BLAUBEL ANASTIGMAT
In barrel covers 4x5 inches $99.50

6½ inch F:2.9 DALLMEYER Pentac
In barrel covers 4x5 inches $94.50

6⅜ F:2.5 COOKE SERIES X
In sunk mt. covers 3¼x4¼" 129.50

6⅜ inch F:2.9 COOKE SERIES XIII
In barrel covers 3¼x4¼" $109.50

6½ F:2.8 CARL ZEISS BIOTAR
In Cmpd. shtr. covers 4x5" $169.50

6½ inch F:2.7 CARL ZEISS TESSAR
In barrel covers 4x5 inches $129.50

7¾ inch F:2.5 COOKE SERIES X
In barrel covers 4x5 inches $198.50

7⅛ in. F:2.7 ERNEMAN Speed Lens
In Cmpd. shtr. covers 4x5" $144.50

7⅛ in. F:2.9 PLAUBEL Anti-Comar
In barrel covers 5x7 inches $99.50

8½ inch F:2.9 ROSS XPRESS
In barrel covers 5x7 inches $119.50

9¼ inch F:2.5 COOKE SERIES X
In sunk mount covers 5x7" $275.50

10½ inch HUGO MEYER Trioplan
In Cmpd. shtr. covers 5x8" $129.50

12 inch F:2.9 DALLMEYER PENTAC
In barrel covers 8x10 in. $159.50

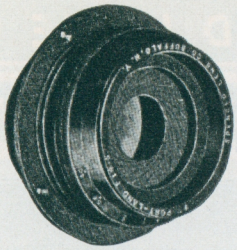
12 inch F:3.8 STEINHEIL TRIPLAR
In barrel covers 8x10 in. $109.50

12 inch F:3.5 SCHNEIDER XENAR
In barrel covers 8x10 in. $172.00

12 inch F:3.5 CARL ZEISS TESSAR
In barrel covers 8x10 in $318.50

(Continued on page 43)

Specify Number 4203R when ordering any of the Lenses listed in the above group
WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING



PORTRAIT LENSES

FOR STUDIO AND HOME PORTRAITURE

In the large assortment of Portrait Lenses listed here, you will find represented the products of the world's finest manufacturers. Lenses for all types of portrait work are offered, from sharp lenses for group and full figure work to soft focus lenses for special effects. Many of these lenses, while primarily designed for portraiture are also adaptable for use in commercial work. Likewise many of the lenses we have listed with anastigmats for commercial work are also suitable for portraiture. To secure good modeling and perspective in portrait work a lens of long focal length should be used. In the sizes listed here are numbers suitable for small hand cameras to large studio outfits.

All Fully Guaranteed. Sold on 10 Day Trial, Money Back Basis.

3¼ inch (80mm.) F:3
GUNDLACH EQUAL DIFFUSION
In barrel with iris, covers 2¼x2¼ in.
Price each.....$17.50

3 inch (75mm.) F:4
WOLLENSAK VERITO
In barrel with iris, covers 1¾x2¼ in.
Price each.....$19.50

5¾ inch (145mm.) F:3.5
BERTHIOT STELLAR
In barrel with iris, covers 4x5 in.
Price each.....$23.50

4⅛ inch (105mm.) F:3.9
IMPORTED ANASTIGMAT
In self-cocking shutter, one second to 1/100, covers 2¼x3¼ inches.
Price each.....$39.50

5⅝ inch (145mm.) F:2.7
CARL ZEISS TESSAR
In barrel with iris, covers 3¼x4¼ in.
Price each.....$94.50

7⅛ inch (180mm.) F.4
BERTHIOT (FRENCH) ANAST.
In barrel with iris diaphragm, covers 5x7 inches.
Price each.....$27.50

7⅛ inch (210mm.) F:6
BUSCH PORTRAIT
In barrel with iris, covers 4x6 inches.
Price each.....$19.50

6 inch (150mm.) F:4
DARLOT PORTRAIT
In focusing mount, covers 3¼x4¼ in.
Price each.....$17.50

6⅜ inch (160mm.) F:4.5
VOIGTLANDER-COOKE
Portrait in barrel with iris, covers 4x5 inches.
Price each.....$21.50

7 inch (175mm.) F:6
VOIGTLANDER EURYSCOPE
In barrel with Waterhouse stops, covers 4x5 inches.
Price each.....$19.50

8¼ inch (210mm.) F:4
BERTHIOT (FRENCH) ANAST.
In shallow mount with iris, covers 5x7 inches.
Price each.....$29.50

8 inch (200mm.) F:4.5
COOKE ANASTIGMAT
In barrel with iris, covers 5x7 in.
Price each.....$57.50

8¼ inch (210mm.) F:4.5
COOKE AVIAR Series II
In barrel with iris, covers 5x7 in.
Price each.....$79.50

8 inch (200mm.) F:4.5
COOKE PORTRAIT SERIES II
In barrel, covers 5x7 inches.
Price each.....$89.50

8¼ inch (210mm.) F:3.1
BUSCH ANASTIGMAT
In barrel with iris, covers 5x7 in.
Price each.....$74.50

8¼ inch (210mm.) F:5
GOERZ ANASTIGMAT
In barrel with iris diaphragm, covers 5x7 inches.
Price each.....$39.50

8½ inch (215mm.) F:6.3
GRAF ANASTIGMAT
In barrel with iris, covers 5x7 in.
Price each.....$29.50

8½ inch (215mm.) F:4.5
GRAF ANASTIGMAT (U.S.A.)
In barrel with iris, covers 5x7 in.
Price each.....$44.50

8½ inch (215mm.) F:2.9
ROSS XPRESS
In barrel with iris, covers 5x7 in.
Price each.....$119.50

8¼ inch (210mm) F:4.5
SCHNEIDER XENAR
In compound shutter, covers 5x7 in.
Price each.....$89.50

8¾ inch (220mm.) F:4
WOLLENSAK VERITO
In barrel with iris, covers 5x7 in.
Price each.....$47.00

8¾ inch (220mm.) F:4
WOLLENSAK VERITO
Diffused, in self-cocking shutter, covers 5x7 inches.
Price each.....$59.50

9½ inch (240mm.) F:7.5
BAUSCH & LOMB PLASTIGMAT
In barrel with iris, covers 5x7 inches.
Price each.....$17.50

9 inch (230mm.) F:5.6
BAUSCH & LOMB PLASTIGMAT
In barrel with iris diaphragm.
Price each.....$22.50

9¼ iuch (235mm.) F:4.5
BAUSCH & LOMB - ZEISS UNAR
In barrel with iris, covers 5x8 in.
Price each.....$39.50

10 inch (250mm.) F:4.5
BAUSCH & LOMB - ZEISS UNAR
In focusing barrel with iris and graduated diffusion.
Price each.....$49.50

10 inch (250mm.) F:4.9
BAUSCH & LOMB - ZEISS UNAR
In barrel with iris, covers 5x8 in.
Price each.....$42.50

9½ inch (240mm.) F:3.5
COOKE IIa ANASTIGMAT
In shallow barrel with iris diaphragm, covers 5x7 inches.
Price each.....$124.50

9½ inch (240mm.) F:6
GUNDLACH ACHROMATIC
Meniscus portrait in Universal shutter, covers 5x7 inches.
Price each.....$24.50

10½ inch (265mm.) F:3.3
HUGO MEYER TRIOPLAN
In compound, 1 to 1/50, covers 5x8".
Price each.....$129.50

10½ inch (260mm.) F:4.5
ILEX PHOTOPLASTIC
In barrel, covers 5x7 inches.
Price each.....$28.50

9 inch (225mm.) F:5
SPECIAL PORTRAIT
In focusing mount with iris, covers 4x5 inches.
Price each.....$19.50

9 inch (225mm.) F:4.5
SPENCER PORTLAND
In barrel, covers 5x7 inches.
Price each.....$17.50

9½ inch (240mm.) F:4.5
VOIGTLANDER HELIAR
In barrel with iris, covers 5x8 inches.
Price each.....$79.50

9½ inch (140mm.) F:4.5
VOIGTLANDER HELIAR
In shallow barrel with iris, covers 5x8 inches.
Price each.....$79.50

9 inch (225mm.) F:4
WOLLENSAK VERITO
In barrel, covers 5x7 inches.
Price each.....$29.50

10½ inch (265mm.) F:8
WOLLENSAK VOLTAS
In General shutter, covers 6x8 inches.
Price each.....$29.50

9 inch (225mm.) F:4
WOLLENSAK VERITO
In studio shutter, covers 5x7 inches.
Price each.....$29.50

10 inch (250mm.) F:6.3
CARL ZEISS TESSAR
In barrel with iris, covers 6x8 in.
Price each.....$94.50

12 inch (300mm.) F:5.6
BAUSCH & LOMB PLASTIGMAT
In barrel with iris, covers 6x8 inches.
Price each.....$27.50

12 inch (300mm.) F:4.5
BEACH-MULTI-FOCAL Series B (WOLLENSAK)
In Betax (½ to 1/50) covers 8x10 in.
Price each.....$99.50

12 inch (300mm.) F:8
BECK PORTRAIT
In barrel with Waterhouse stops, covers 6x8 inches.
Price each.....$17.50

12 inch (300mm.) F:4.5
BUSCH PERSCHEID
In compound shutter with K1 filter, covers 8x10 inches.
Price each.....$99.50

13 inch (320mm.) F:5.6
COOKE ANASTIGMAT
In Ilex shutter, covers 8x10 inches.
Price each.....$89.50

11.3 inch (290mm.) F:6.5
COOKE ANASTIGMAT
In compound shutter, covers 8x10 in.
Price each.....$87.50

12 inch (300mm.) F:3.5
COOKE PORTRAIT
In barrel with iris, covers 6½x8½ in.
Price each.....$147.50

13 inch (320mm.) F:5.6
COOKE PORTRAIT SERIES VI
In barrel, covers 8x10 inches.
Price each.....$89.50

13 inch (320mm.) F:4.5
COOKE PORTRAIT SERIES II
In barrel, covers 8x10 inches.
Price each.....$137.50

11¾ inch (290mm.) F:6.5
COOKE PORTRAIT SERIES V
In barrel, covers 5x7 inches.
Price each.....$62.50

12 inch (300mm.) F:5.5
GOERZ CELOR
In barrel with iris, covers 8x10 in.
Price each.....$79.50

11-12½ inch F:3.8-4.5
GRAF VARIABLE
In Universal shutter, 1 sec. to 1/100, covers 6½x8½ inches.
Price each.....$149.50

12 inch (300mm.) 5.6
PINKHAM & SMITH
Synthetic Series V, in barrel, covers 8x10 inches.
Price each.....$44.50

12 inch (300mm.) F:5
RODENSTOCK PORTRAIT II
In barrel with Waterhouse stops, covers 5x7 inches.
Price each.....$29.50

11½ inch (290mm.) F:5.6
SPENCER PORTLAND LENS
In barrel, will cover 8x10 inches.
Price each.....$23.50

11½ inch (290mm.) F:5.6
SPENCER PORTLAND PORTRAIT
In General shutter, covers 5x7 inches.
Price each.....$34.50

11 inch (280mm.) F:7.7
VOIGTLANDER COOKE TRIPLE ANASTIGMAT III
In barrel with iris, covers 6½x9 in.
Price each.....$49.50

12 inch (300mm.) F:4.5
VOIGTLANDER HELIAR
In barrel with iris, covers 8x10 in.
Price each.....$119.50

11¾ inch (300mm.) F:4.5
VOIGTLANDER HELIAR
In barrel, covers 8x10 inches.
Price each.....$99.50

13 inch (325mm.) F:4.5
VOIGTLANDER PORTRAIT
In focusing mount with Waterhouse stops, covers 5x7 inches.
Price each.....$36.50

(Continued on page 44)

Specify Number 4301R when ordering any of the Lenses listed in the above group

PLEASE NOTE: PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

PORTRAIT LENSES FOR STUDIO AND HOME USE

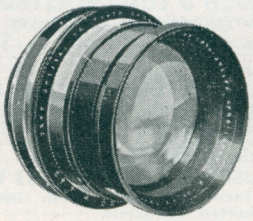
GRAF VARIABLE LENSES at Reduced Prices

FOR PERFECT CONTROL OF IMAGE DEFINITION



F:3.8 — F:4.5

- For Fine Portraiture
- For Fine Pictorials
- For Commercial Work
- For Any Type of Subject
- Adjustable for a Soft or Critically Sharp Image





— SOFT FOCUS —

— SHARP FOCUS —

Graf Variable Lenses have won an enviable reputation for the quality of the image they produce. They are now in use in many of the country's leading studios. The front element of the Graf Variable is in a threaded mount, providing an adjustment for securing a critically sharp image or any desired degree of softness. This adjustment changes the focal length of the lens—as well as its effective aperture. Each fractional turn of the front element provides a delicate change in the image enabling the operator to secure any desired effect from critically sharp anastigmat quality to the soft diffusion wanted in certain types of pictorial work—and this variation in image quality is secured without use of the diaphragm. Thus images of sharp or soft drawing may be made while taking advantage of the full lens aperture. Stopping down the diaphragm provides greater depth—but the image drawing, sharp or soft, is controlled by the adjustable front element of the lens.

VARIABLE FOCUS

Graf Variable lenses provide a maximum aperture of F:3.8 when adjusted to cut a sharp image. With the front element fully extended to secure maximum softness the focal length is increased and the effective aperture becomes F:4.5. The Variable thus allows for the correct degree of softness, at full aperture, for all varying sizes of images. More or less softness can be used, according to the individual tastes of the operator—more softness tending to eliminate more retouching.

IN BARREL WITH IRIS

Graf Variable lenses are in specially designed light weight barrel mounts with iris diaphragm. The compact construction of the barrel permits their use in long focal lengths on small cameras. Graf Variable lenses are ideal for use in projection printing—as any degree of diffusion necessary to eliminate the need of retouching may be instantly secured.

BOOKLET FULLY DESCRIBING THE ABOVE AVAILABLE ON REQUEST.

F:3.8—F:4.5 SERIES

Focus Inches	Plate Size	Reduced Price Each
5½-6½	2¼x3¼	$ 47.00
6½-7½	3¼x4¼	55.00
7½-8½	4x5	67.00
8½-9½	4x6	81.00
9½-11	5x7	107.50
11-12½	6½x8½	135.00
12½-14	7x9	170.00
14-16	8x10	189.00
16-18	9x11	247.50
18-20	11x14	324.00

Specify No. 4402R when ordering

12 inch (300mm.) F:5
WOLLENSAK PORTRAIT
In Studio shutter, covers 6½x8½ in.
Price each.....$39.50

12 inch (300mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In barrel with iris, covers 8x10 in.
Price each.....$143.00

12 inch (300mm.) F:6
WOLLENSAK VERSAR
In barrel with Waterhouse stops, will cover 8x10 inches.
Price each.....$19.50

11½ inch (290mm.) F:4
WOLLENSAK VERITO
In barrel with iris, covers 5x7 in.
Price each.....$66.00

11½ inch (290mm.) F:4
WOLLENSAK VERITO
In barrel, covers 6½x8½ inches.
Price each.....$66.00

16 inch (400mm.) F:4
BAUSCH & LOMB SIGMAR
In Studio shutter, covers 8x10 inches.
Price each.....$74.50

14 inch (350mm.) F:6
BUSCH PORTRAIT
In barrel, covers 8x10 inches.
Price each.....$34.50

15 inch (380mm.) F:3.5
COOKE PORTRAIT
In barrel, covers 10x12 inches.
Price each.....$189.50

14¼ inch (360mm.) F:4.8
HUGO MEYER ARISTOSTIGMAT
In barrel with iris, covers 10x12 in.
Price each.....$109.50

16 inch (400mm.) F:4
IDEAL PORTRAIT
In barrel with iris, covers 8x10 inch.
Price each.....$22.50

14 inch (350mm.) F:4
GUNDLACH HYPERION Diffusion
In barrel, also 20 and 36 inch focus, will cover 8x10 inches.
Price each.....$34.50

14¾ inch (360mm.) F:4.5
ILEX PARAGON
In barrel with iris, covers 10x12 in.
Price each.....$119.50

15¾ inch (390mm.) F:4.5
ILEX PARAGON
In barrel with iris, covers 11x14 in.
Price each.....$129.50

KALOSAT, HANOVIA QUARTZ LENS
In barrel with iris, covers 8x10 in.
Price each.....$89.50
Order by No. 5403R.....

16½ inch (420mm.) F:4.5
BUSCH PERSHEID
In barrel with iris, covers 11x14 in.
Price each.....$139.50

18 inch (450mm.) F:5.6
COOKE "Portronic" PORTRAIT VI
In barrel with iris, with diffusing device giving any degree of softness, covers 10x12 inches.
Price each.....$179.50

16½ inch (420mm.) F:4.5
GOERZ HYPAR
In barrel with iris, covers 11x14 in.
Price each.....$129.50

16 inch (400mm.) F:4.5
ILEX PHOTOPLASTIC (Portrait)
in barrel with 3 extra lenses for variable diffusion, covers 8x10 inches.
Price each.....$77.50

14 inch (350mm.) F:6
P. & S. SEMI ACHROMATIC
Portrait in barrel, covers 8x10 inches.
Price each.....$37.50

18 inch (450mm.) F:4.5
P & S VISUAL
In barrel with iris, covers 11x14 inch.
Price each.....$69.50

14 inch (350m.) F:4.5
RODENSTOCK EURYNAR
In barrel with iris, covers 8x10 in.
Price each.....$119.50

14 inch (350mm.) F:4.5
ROSS 3c PORTRAIT
In barrel with Waterhouse stops, covers 5x7 inches.
Price each.....$29.50

15 inch (380mm.) F:5.6
SPENCER PORTLAND
In barrel, will covers 11x14 inches.
Price each.....$34.50

15 inch (380mm.) F:5.6
SPENCER PORTLAND
In Universal shutter, covers 11x14 in.
Price each.....$49.50

14 inch (350mm.) F:4.5
VOIGTLANDER EURYSCOPE
In barrel, covers 8x10 inches.
Price each.....$37.50

14 inch (360mm.) F:4.5
VOIGTLANDER HELIAR
In barrel with iris, covers 8x10 in.
Price each.....$139.50

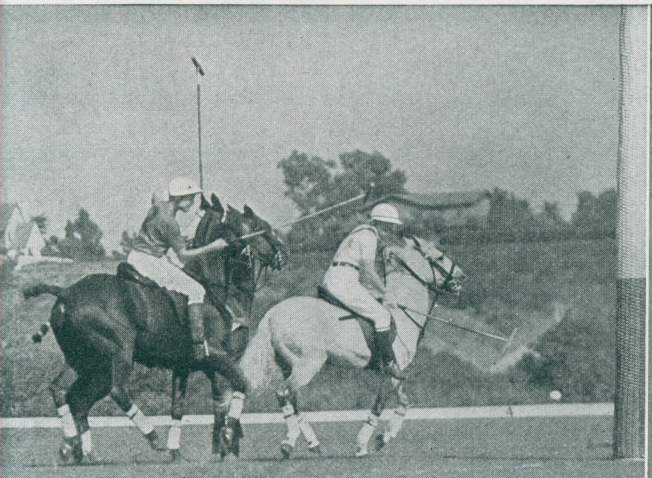
14½ inch (360mm.) F:4.5
VOIGTLANDER HELIAR No. 5
In barrel, covers 8x10 inches.
Price each.....$159.50

16½ inch (420mm.) F:4.5
VOIGTLANDER HELIAR
In barrel, covers 10x12 inches.
Price each.....$174.50

(Continued on page 49)

Specify Number 4401R when ordering any of the Lenses listed in the above group
WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

GOOD NEWS FOR PRESS PHOTOGS





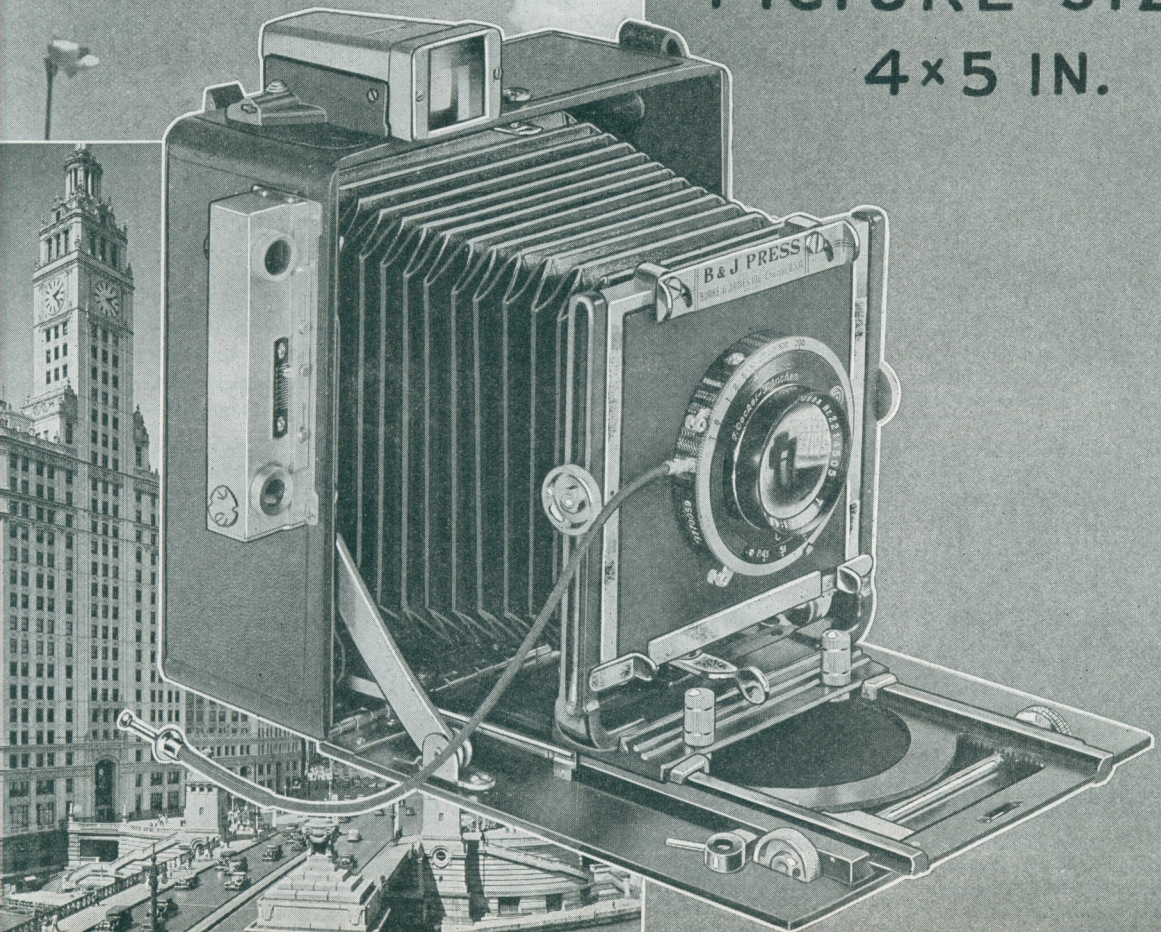


The New

B & J PRESS CAMERA

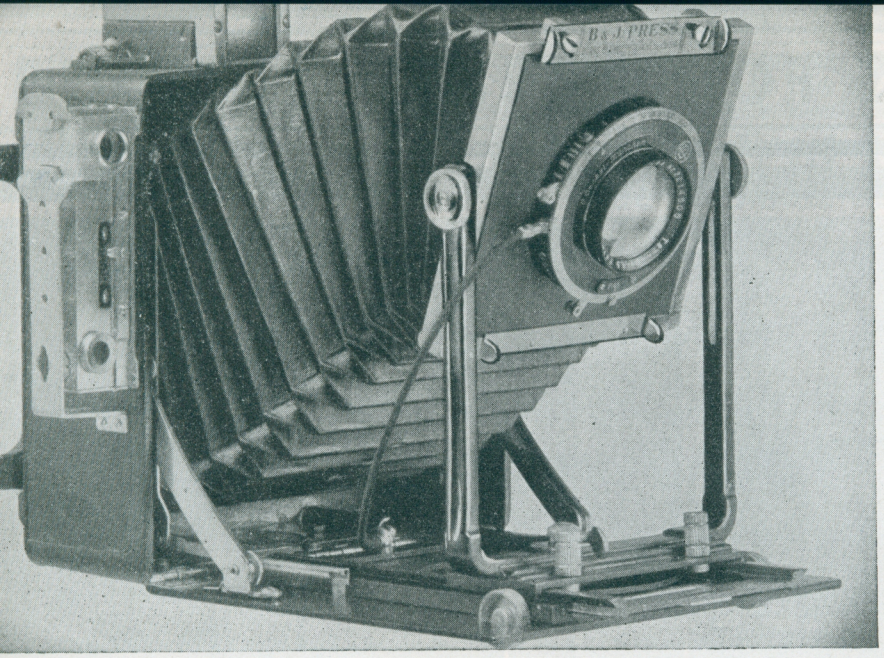
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PICTURE SIZE
4×5 IN.

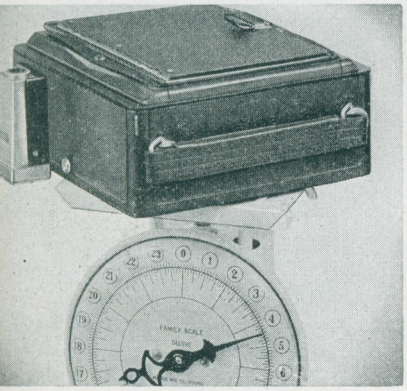


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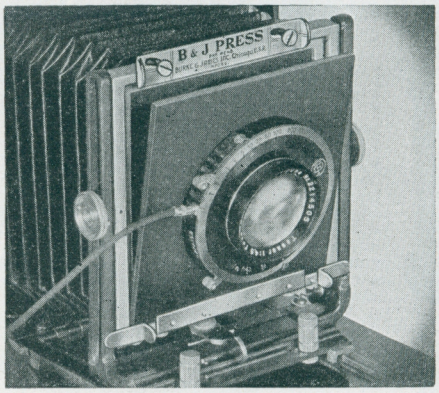
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camera tha
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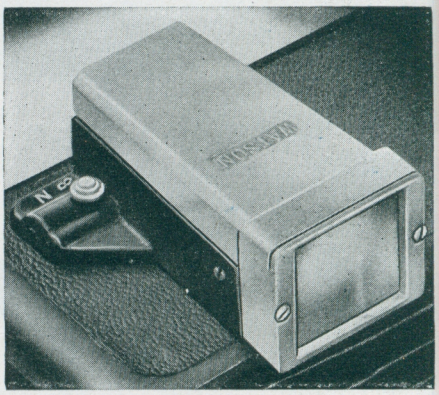
● **REMARKABLE FLEXIBILITY** in its many adjustments adapts the B & J Press Camera for use in the most difficult types of angle photography, permitting full correction of perspective.



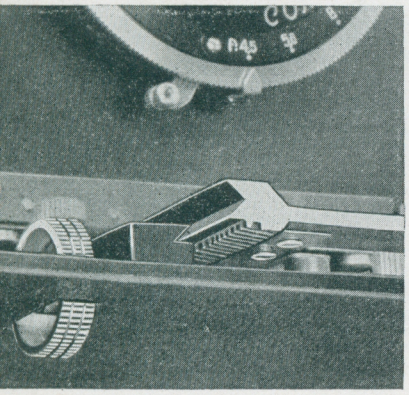
TIPS THE SCALE to exactly 4½ lbs., without lens. Light enough to carry on a full day's assignment without becoming a burden. Strong enough to stand on.



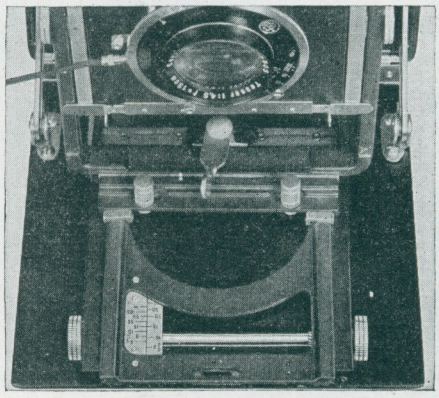
THE LARGE 4 x 4" COMPOSITION LENS BOARD is instantly removable. Lenses of different focal lengths are readily interchanged.



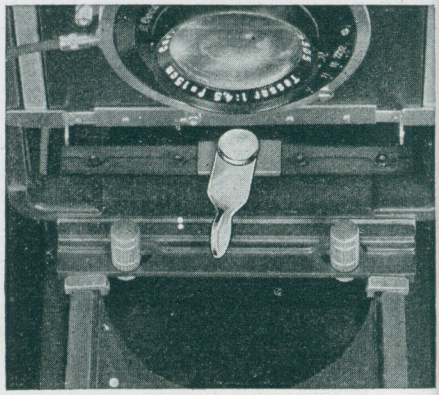
THE TELESCOPIC, OPTICAL TYPE VIEW FINDER shows a brilliant image—masked for horizontal and vertical composition. With parallax compensator.



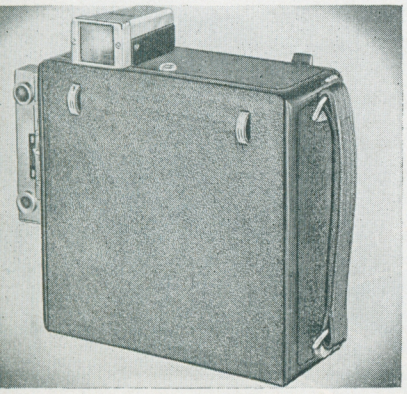
TELESCOPING TRACK with V groove makes for smooth focusing action. It is self-aligning and rigid — even at full bellows extension. Helical gears.



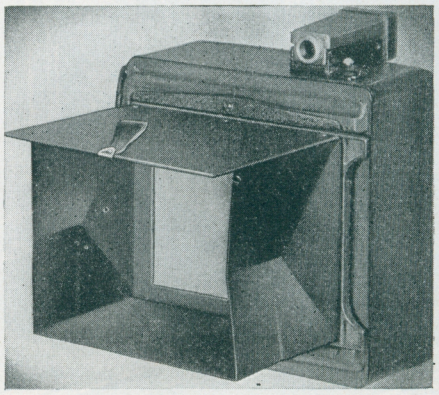
RACK AND PINION FOCUSING with dual controls — permits focusing with either right or left hand. Metal track for smooth operation.



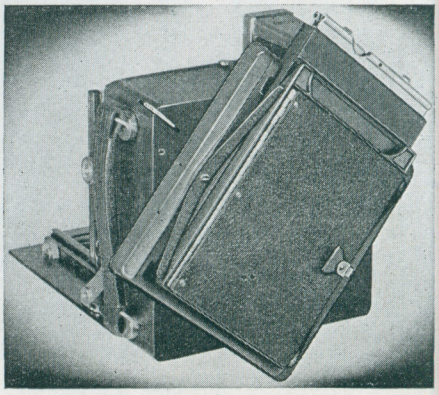
LEVER TYPE U STANDARD FRICTION LOCK securely anchors lateral adjustment of U Standard and lens.



EXTREMELY COMPACT WHEN FOLDED — measures only 7¼ x 8⅜ x 3½". Push button snap lock at center top permits instant opening.



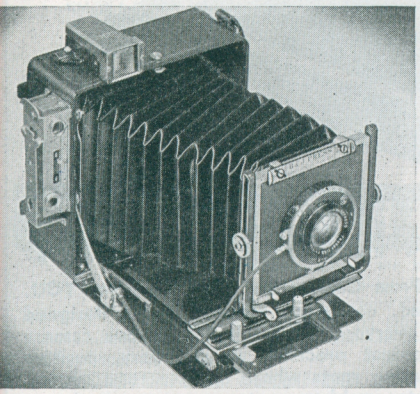
FULL FOUR SIDED HOOD makes for brilliant ground glass image—need not be removed for insertion of film holder.



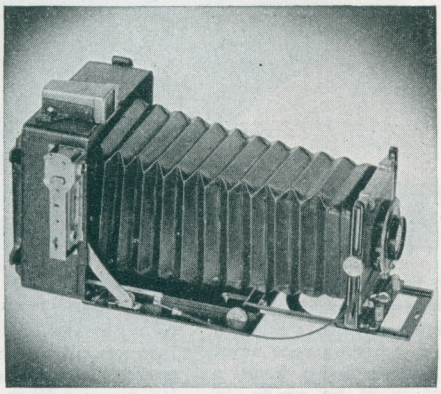
FULL LENGTH RETAINING SPRINGS of extra heavy, high tension construction, keep film holder light tight—and in perfect focal plane.

STORY of the B & J PRESS
E MAKING" CAMERA . . .

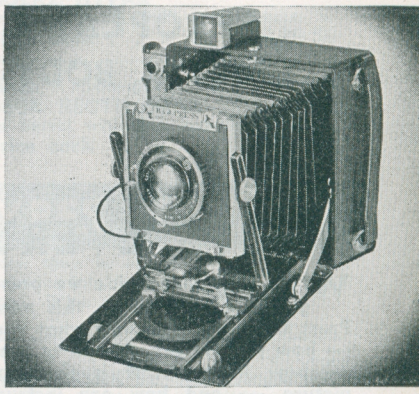
ow buys a modern "Made in America" superlative press incorporates every refinement — every essential feature of plus features that make it the outstanding camera the year. Built to the rigid specifications called for in photography, its design combines the ruggedness nec-ck-about work, plus the mechanical precision that perfect ing demands. The pictures below tell the story.



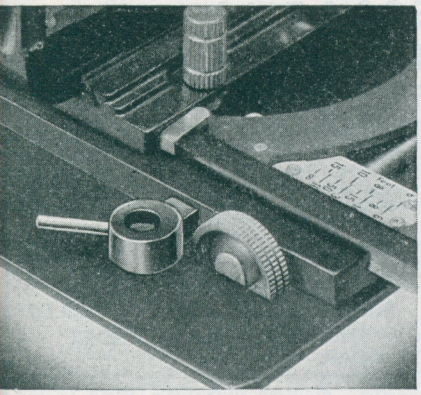
SIDE SWING ADJUSTMENT of 1¾" from center — gives overall displacement of 3½" from extreme right to extreme left.



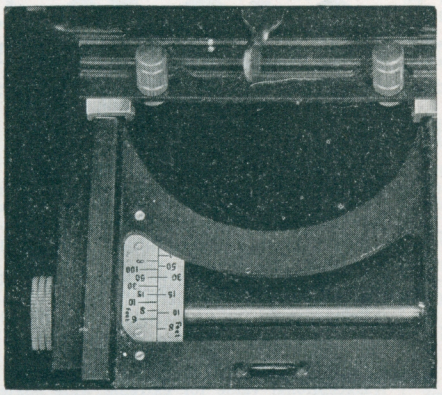
DOUBLE EXTENSION BELLOWS provides maximum span of 14". Fine for "big image" close-ups and "long focus" lenses.



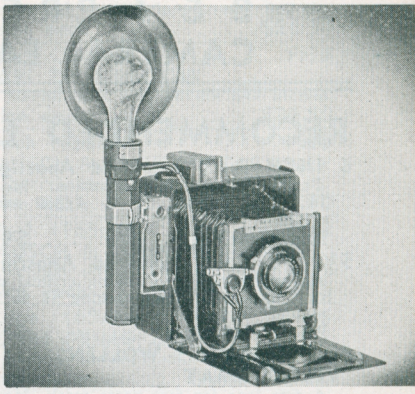
20 DEGREE BED DROP adapts camera to difficult "close-up" work . . . may be used in conjunction with or independently of other adjustments.



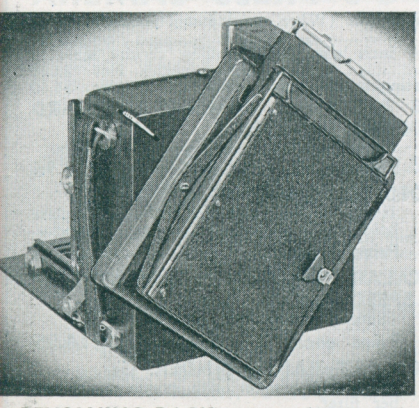
TRACK LOCK anchors the focusing adjustment at any desired point—helps you keep the "center of action" in focus.



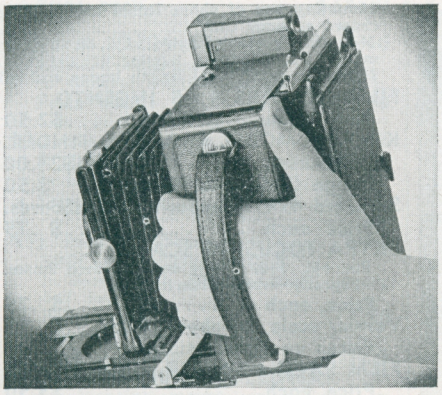
ACCURATELY CALIBRATED FOCUSING SCALE of the vernier type is conveniently placed for easy reference when focusing.



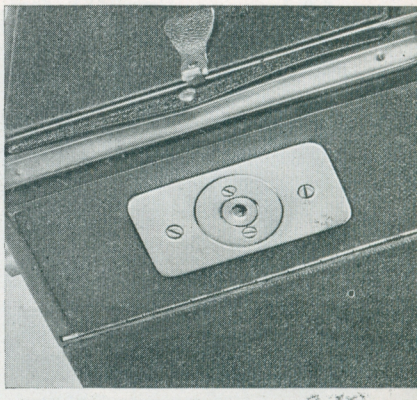
ACCOMMODATES ALL STANDARD PRESS EQUIPMENT such as flash synchronizer, range-finder, etc. Meets all press needs.



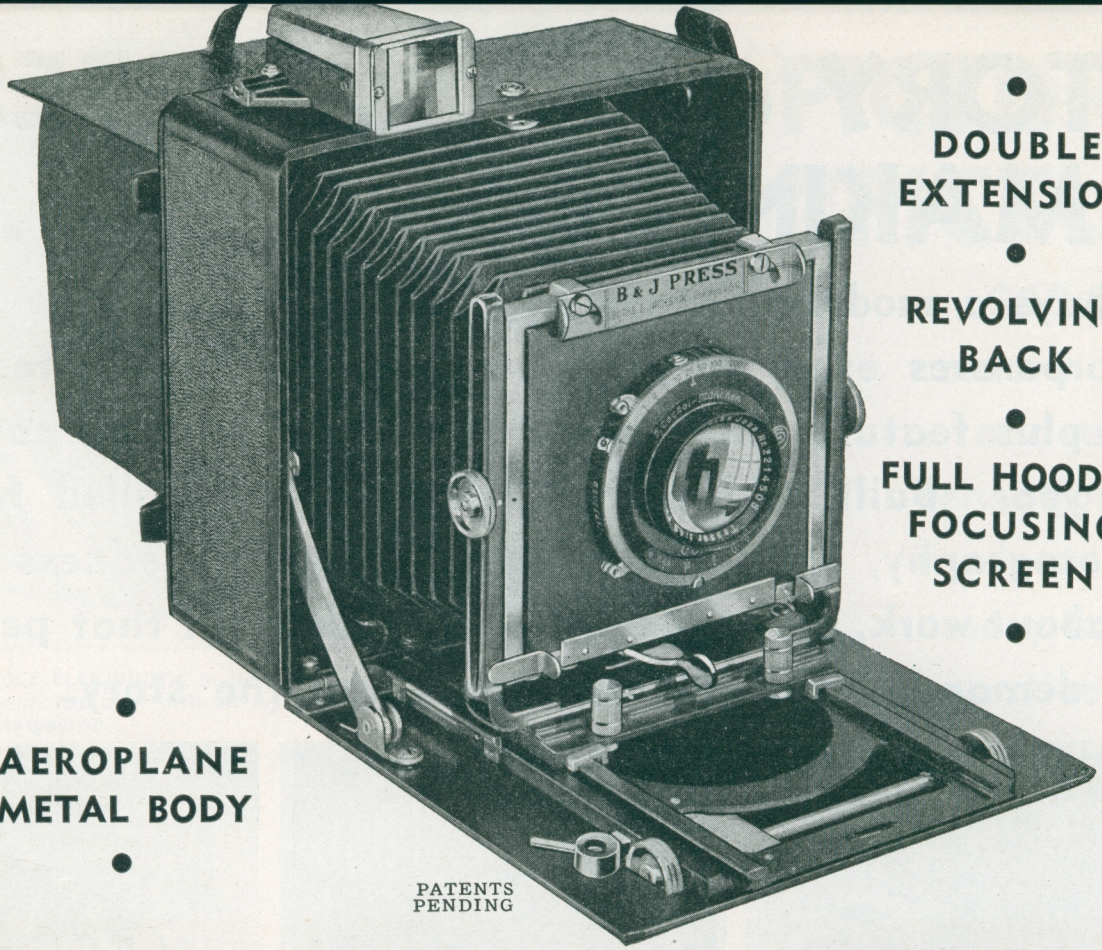
REVOLVING BACK rotates from vertical to horizontal position instantly . . . an invaluable aid when working with a tripod.



HEAVY LEATHER STRAP side handle steadies the camera for sighting and exposing . . . provides added convenience for carrying.



TRIPOD SOCKET securely anchored in large metal plate—bolted through metal body provides wider safety factor. Has standard tripod thread.



- DOUBLE EXTENSION
- REVOLVING BACK
- FULL HOODED FOCUSING SCREEN
- AEROPLANE METAL BODY

PATENTS PENDING

MEETS EVERY NEED IN PRESS PHOTOGRAPHY

WITH justifiable pride we present to the Press Photographers of America this new American made B & J Press Camera. We know what you demand from a camera — how you are called upon to use it in covering spot news — how important it is that you always bring back a picture — and how one instrument must be made to cover every assignment — from candids to pictorials — from flash to action shots, table tops, interiors, portraits, architectural, etc.

THIS new B & J Press Camera has been built for YOU. Its leather covered, aeroplane metal body is designed to withstand those everyday abuses you put your camera through. Its mechanical precision assures easy, positive operation in those trying spots where every second counts. Its many adjustments enable you to meet every picture making problem instantly. In meeting the needs of the press photographer, it serves in even fuller measure every need of both amateur and professional worker.

B & J PRESS CAMERA, EACH $49.50 LESS LENS and ACCESSORIES

RECOMMENDED LENSES For The B & J 4 x 5 PRESS CAMERA

6 INCH F:4.5 Imported Anastigmat.
Fast lens, extra fine definition. Mounted in a self-cocking (1 to 1/200 second) shutter.
Price each $44.50

5¼ IN. F:4.5 Imported Anastigmat.
An anastigmat lens having critical definition. Mounted in self-cocking (1 to 1/100 second) shutter.
Price each $42.50

6½ INCH F:4.5 WOLLENSAK VELOSTIGMAT
A fine lens for fast press work. Mounted in Alphax (1 to 1/100 sec.) shutter.
Price each.....$63.00

6 INCH F:6.8 GOERZ DAGOR.
A sharp cutting Anastigmat lens having a very fine resolving power. Mounted in a self-cocking (1/25 to 1/100 second) shutter.
Price each $64.50

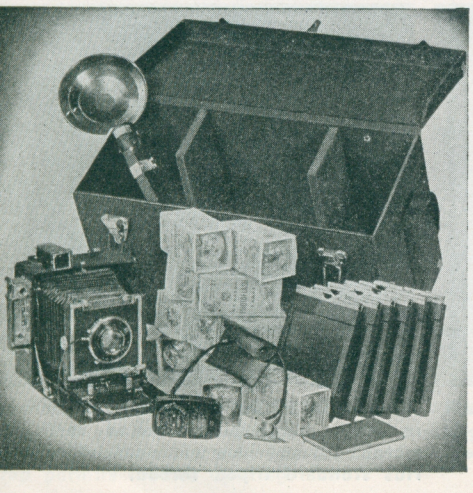
Same as above. Mounted in a self-cocking (1 to 1/100 second) shutter.
Price each $69.50

3½ INCH F:12.5 WOLLENSAK WIDE ANGLE SERIES 111A.
Exceptional value for extreme wide angle lens in Alphax. (1/10 to 1/200 sec.) shutter.
Price each $31.50

5¼ IN. F:6.3 Imported Anastigmat.
An exceptional value for an Anastigmat lens. Mounted in a self-cocking (1/25 to 1/100 second) shutter.
Price, each $26.50

Same as above mounted in a self-cocking (1 to 1/100 second) shutter.
Price each $29.50

6½ INCH F:4.5 VOIGTLANDER SKOPAR.
A sharp cutting Tessar type Anastigmat lens. Mounted in a Perle Rapid (1 to 1/200 second) shutter.
Price each $59.50



ACCESSORIES for the B & J PRESS CAMERA

Mounting any of above lenses and shutters to camera (When camera and lenses are purchased at same time) ..... no charge
Mounting customer's 4¾, 5¼, 6, 6½ or 7⅛ inch lens, and installing vernier scale to match ..... Net $3.00
Mounting other focal length lenses and calibrating special vernier scale .....Net $4.50

FILM HOLDERS 4 x 5 INGENTO
Price each $2.50

KALART MODEL F RANGE FINDER.
Price each $24.00
Range finder installation, net 3.50

Standard 4x4" composition lensboards.
Price each .....$ .75

EXTRA FOCUSING SCALE.
For 4¾, 5¼, 6, 6½ and 7⅛ inch lenses. (Specify when ordering.)
Price each .....$ .75

Vernier scale for above. Each....$ .75
Prices on Application.

FILM PACK ADAPTER 4x5 INGENTO
Price each $3.50

VIEW FINDER MASKS.
Available for 5¼, 6, 6½, and 7⅛ inch lenses. (Specify size when ordering.)
Price each $1.25

B & J PRESS CAMERA STANDARD CARRYING CASE.
Accommodates camera and six holders.
Price each $4.95

DELUXE CARRYING CASE.
Holds camera, flash gun, 12 film or plate holders, 12 flash bulbs, other accessories.
Price each $14.95

KALART MASTER MICROMATIC SPEED FLASH.
(Specify shutter to be fitted.)
Price each $14.95

KALART RANGE FINDER.
Encircling bracket with eyepiece and amber filter.
Price each $2.50
When ordering a B & J Press Camera, please specify which focal length lens is to be used and view finder mask desired.

When ordering any of the above merchandise, specify Number 4801R

PORTRAIT LENSES FOR STUDIO AND HOME USE

(Continued from page 44)

15 inch (375mm.) F:8
VOIGTLANDER PORTRAIT
In barrel with Waterhouse stops, covers 10x12 inches.
Price each.....$24.50

14 inch (350mm.) F:5.6
WOLLENSAK PORTRAIT
In barrel with iris, covers 10x12 in.
Price each.....$34.50

14 inch (350mm.) F:3.5
WOLLENSAK VARIUM
In Studio shutter, covers 8x10 inches.
Price each.....$79.50

15½ inch (380mm.) F:4.5
WOLLENSAK Velostigmat Ser. II
In Studio shutter, covers 10x12 in.
Price each.....$119.50

14 inch (350mm.) F:4.5
WOLLENSAK VELOSTIGMAT
In Studio shutter, covers 10x12 in.
Price each.....$119.50

14½ inch (360mm.) F:4
WOLLENSAK VERITO
In barrel, covers 8x10 inches.
Price each.....$93.50

14½ inch (360mm.) F:4
WOLLENSAK VERITO
In Studio shutter, covers 8x10 inches.
Price each.....$59.50

18 inch (460mm.) F:5.6
SPENCER PORTLAND
In barrel, will cover 14x17 inches.
Price each.....$37.50

18 inch (450mm.) F:5.6
VERITO Extension Lens 18-22½ in.
For 18 in. Verito to convert to 22½ in.
Price each.....$24.50

18 inch (450mm.) F:4
WOLLENSAK VERITO
In barrel, will cover 11x14 inches.
Price each.....$49.50

18 inch (460mm.) F:4
WOLLENSAK VERITO
In Studio shutter, covers 11x14 in.
Price each.....$54.50

19½ inch (490mm.) F:6.3
BAUSCH & LOMB PLASTIGMAT
In barrel with iris, covers 14x17 inch.
Price each.....$69.50

22 inch (550mm.) F:5.6
BAUSCH & LOMB PORTRAIT
In Studio shutter, covers 14x17 inch.
Price each.....$84.50

19 inch (480mm.) F:4
BAUSCH & LOMB SIGMAR
Portrait lens, in Studio shutter, covers 11x14 inches, gives remarkable plastic effects. List price $190.00.
Price each.....$87.50

20 inch (500mm.) F:4.5
HERMAGIS ANASTIGMAT
In barrel with iris, covers 11x14 inches, beautiful portrait lens.
Price each.....$89.50

18½ inch (470mm.) F:8
SPECIAL APLANAT
In barrel with iris, covers 11x14 inch.
Price each.....$19.50

20 inch (500mm.) F:7
VOIGTLANDER ANASTIGMAT
In barrel with iris, covers 14x17 in.
Price each.....$57.50

19 inch (480mm.) F:4
WOLLENSAK VARIUM LENS
In Studio shutter, covers 10x12 in.
Price each.....$62.50

22½ inch (580mm.) F:5
B. & L. SIGMAR PORTRAIT
In Studio shutter, covers 12x15 inches—exceptional plastic effects.
Price each.....$88.50

22½ inch (580mm.) F:4
WOLLENSAK VERITO
In Studio shutter, covers 14x17 in.
Price each.....$79.50

24 inch (600mm.) F:4.5
VOIGTLANDER HELIAR
In barrel, covering 14x17 inches.
Price each.....$465.00

24 inch (600mm.) F:20
GOERZ HYPAR
In barrel with iris, covers 8x10 in.
Price each.....$129.50

30 inch (750mm.) F:8
BECK RECTILINEAR
In barrel with iris, covers 18x22 in.
Price each.....$39.50

WIDE ANGLE LENSES for SPECIAL TYPES of WORK

In this classification we have grouped all lenses having a wider angle of view than is ordinarily used in photographic work. The wide angle of view of these lenses adapt them for interior work—architecture, etc., where limited space precludes the use of a normal angle lens. Wide angle lenses are of relatively short focal length considering the plate size they cover.

3½ inch (90mm.) F:6.3
VOIGTLANDER COLLINEAR
In Ibsor shutter, covers 3¼x4¼ in.
Price each.....$21.50

3½ inch (90mm.) F:10
B. & L. ZEISS PROTAR IV
In Volute shutter, covers 4x5 inches.
Price each.....$22.50

4 inch (100mm.) F:6.5
COOKE PRIMOPLANE VII
In barrel, covers 4x5 inches.
Price each.....$39.50

3½ inch (90mm.) F:8.7
LAACK WIDE ANGLE
In Ibsor self-cocking shutter, one to 1/150 second, covers 4x5 inches.
Price each.....$33.50

3½ inch (90mm.) F:12
RODENSTOCK WIDE ANGLE
In barrel with iris, covers 4x5 inches.
Price each.....$17.50

4¾ inch (120mm.) F:12
RODENSTOCK WIDE ANGLE
In Chronos shutter, covers 4x5 inches.
Price each.....$22.50

3½ inch (90mm.) F:12.5
WOLLENSAK SERIES IIIa WIDE ANGLE LENSES
In barrel with iris diaphragm, covers 4x5 inches.
Price each.....$25.00

3½ inch (90mm.) F:12.5
WOLLENSAK SERIES IIIa WIDE ANGLE LENSES
In Alphax shutter, 1 to 1/100th sec., covers 4x5 inches. For use in Watson Speed Press and Speed Graphic cameras.
Price each.....$31.50

4½ inch (140mm.) F:18
BAUSCH & LOMB PROTAR V
In Volute shutter, covers 5x7 inches.
Price each.....$31.50

6 1/16 inch (150mm.) F:12.5
BAUSCH & LOMB PROTAR IV
In barrel, will cover 5x8 inches.
Price each.....$24.50

6 inch (150mm.) F:6.8
BAUSCH & LOMB PROTAR V
In Compound shutter, covers 5x8 in.
Price each.....$49.50

4½ inch (114mm.) F:16
EASTERN OPTICAL WIDE ANGLE
In barrel with iris, covers 5x7 in.
Price each.....$19.50

5 inch (125mm.) F:9
GOERZ DAGOR (ZEISS)
In barrel with iris, covers 5x7 inches.
Price each.....$49.50

5¼ inch (135mm.) F:16
ILEX WIDE ANGLE
Acme shutter, covers 5x7 inches.
Price each.....$24.50

6⅛ inch (150mm.) F:18
IMPORTED WIDE ANGLE
In barrel with rotary stops, covers 5x7 inches.
Price each.....$12.00

4¾ inch (120mm.) F:16
LUXOR WIDE ANGLE
In barrel, covers 5x7 inches.
Price each.....$14.00

4¾ inch (120mm.) F:16
LUXOR WIDE ANGLE
In General shutter, covers 5x7 inch.
Price each.....$29.50

4¾ inch (120mm.) F:12
RODENSTOCK W. A. APLANAT
In barrel, covers 5x7 inches.
Price each.....$22.50

4½ inch (115mm.) F:18
SPECIAL WIDE ANGLE
In barrel with circular stops, covers 5x7 inches.
Price each.....$13.50

5 inch (125mm.) F:12.5
VOIGTLANDER COLLINEAR
In focusing mount, covers 5x7 in.
Price each.....$19.50

4 15/16 inch (110mm.) F:12.5
WOLLENSAK Ex. Wide Angle IIIa
In Betax shutter ½ to 1/100 second, covers 5x7 inches.
Price each.....$33.50

4 15/16 inch (110mm.) F:12.5
WOLLENSAK Ex. Wide Angle IIIa
In barrel with iris, covers 5x7 in.
Price each.....$28.50

5½ inch (140mm.) F:18
CARL ZEISS PROTAR
In barrel with iris, covers 5x7 inches.
Price each.....$24.50

6¼ inch (155mm.) F:18
BAUSCH & LOMB PROTAR Ser. V
In barrel, covers 6½x8½ inches.
Price each.....$32.50

6½ inch (165mm.) F:18
BAUSCH & LOMB PROTAR V
In Volute shutter, covers 6½x8½ in.
Price each.....$39.50

6¼ inch (165mm.) F:6.5
COOKE PRIMOPLANE
In barrel, covers 7x9 inches.
Price each.....$47.50

6 inch (150mm.) F:8
DALLMEYER WIDE ANGLE
In barrel with iris, covers 6x8 in.
Price each.....$19.50

8¼ inch (210mm.) F:4.5
EURYPLAN IV
In Perle Rapid, 1 second to 1/200, covers 7x9 inches.
Price each.....$189.50

6½ inch (165mm.) F:16
GUNDLACH RADAR ANAST.
Extreme Wide Angle, in barrel with iris diaphragm, covers 6½x8½ in.
Price each.....$22.50

5¼ inch (135mm.) F:9
HUGO MEYER WIDE ANGLE
In barrel, covers 5x7 inches.
Price each.....$29.50

6⅛ inch (150mm.) F:16
LUXOR WIDE ANGLE (U.S.A.)
In barrel, covers 6½x8½ inches.
Price each.....$16.00

(Continued on page 50)

Specify Number 4901R when ordering any of the Lenses listed in the above group
PLEASE NOTE: PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

WIDE ANGLE LENSES for SPECIAL TYPES of WORK

6⅛ inch (150mm.) F:16
LUXOR WIDE ANGLE (U.S.A.)
In shutter, covers 6½x8½ inches.
Price each.....$24.50

6⅜ inch (160mm.) F:12
RODENSTOCK W. A. APLANAT
In barrel, covers 6½x8½ inches.
Price each.....$27.50

6½ inch (165mm.) F:12.5
WOLLENSAK IIIa
In barrel with iris, covers 6½x8½ in.
Price each.....$22.50

8 inch (200mm.) F:12.5
BAUSCH & LOMB PROTAR IV
In barrel with iris, covers 8x10 inch.
Price each.....$34.50

10¾ inch (270mm.) F:7.5
SCHULZE EURYPLAN IV
In barrel with iris, covers 8x10 in.
Price each.....$109.50

7 inch (175mm.) F:6.5
COOKE PRIMOPLANE Series VIIA
In barrel, covers 8x10 inches.
Price each.....$49.50

7⅞ inch (195mm.) F:6
DALLMEYER W. A. ANASTIG.
In barrel with iris, covers 8x10 in.
Price each.....$44.50

9½ inch (240mm.) F:5.6
EURYPLAN ANASTIGMAT
Semi wide-angle in barrel with iris, covers 7x9½ inches.
Price each.....$140.00

8 inch (205mm.) F:18
IMPORTED WIDE ANGLE
In barrel with rotary stops, covers 8x10 inches.
Price each.....$16.50

8 inch (200mm.) F:11
IMPROVED WIDE ANGLE
In General shutter, covers 8x10 in.
Price each.....$39.00

8¼ inch (210mm.) F:8.7
LAACK WIDE ANGLE
In barrel with iris, covers 8x10 inch.
Price each.....$32.50

8¼ inch (210mm.) F:6.8
JOS. SCHNEIDER ANGULON
Wide Angle in Compound shutter, will cover 8x10 inches.
Price each.....$99.50



COOKE WIDE ANGLE LENSES SERIES VIIA F:6.5 APERTURE

For wide angle work of all kinds the Cooke F:6.5 lens leads the field. Has a flat field on illumination, at F:16 aperture sharp definition is given through a field of 90° and at F:32 throughout 100°.

COOKE PRIMOPLANE WIDE ANGLE

4 inch (100mm.) F:6.5 in barrel with iris, covers 5x7 inches $39.50

COOKE PRIMOPLANE WIDE ANGLE

7 inch (175mm.) F:6.5 in barrel with iris, covers 8x10 inches $59.50

7⅛ inch (180mm.) F:9
STEINHEIL Wide Angle Unofocal
In Ibsor shutter, covers 8x10 inches.
Price each.....$49.50

7⅛ inch (180mm.) F:9
STEINHEIL WIDE ANGLE
In barrel with iris, covers 8x10 in.
Price each.....$39.50

7 inch (175mm.) F:16
VOIGTLANDER WIDE ANGLE
In barrel with iris, covers 8x10 in.
Price each.....$39.50

6¼ inch (160mm.) F:9.5
WOLLENSAK VELOSTIGMAT III
Wide angle in barrel with iris, covers 8x10 inches.
Price each.....$29.50

7⅛ inch (180mm.) F:16
WOLLENSAK WIDE ANGLE
In Betax shutter, covers 8x10 inches.
Price each.....$27.50

9 inch (225mm.) F:16
AMERICAN EXTRA WIDE ANGLE
In barrel with rotary stops, will cover 10x12 inches.
Price each.....$19.50

8½ inch (215mm.) F:18
BAUSCH & LOMB PROTAR V
In barrel, covers 10x12 inches.
Price each.....$29.50

8⅛ inch (210mm.) F:16
LUXOR WIDE ANGLE (U.S.A.)
In barrel, covers 10x12 inches.
Price each.....$22.50

8⅛ inch (210mm.) F:16
LUXOR WIDE ANGLE (U.S.A.)
In shutter, covers 10x12 inches.
Price each.....$39.00

8¾ inch (220mm.) F:12
RODENSTOCK APLANAT W. A.
In barrel with iris diaphragm, covers 10x12 inches.
Price each.....$34.50

9¼ inch (230mm.) F:8
ROSS WIDE ANGLE
In barrel with iris, covers 10x12 in.
Price each.....$39.50

10 3/16 inch (255mm.) F:18
BAUSCH & LOMB PROTAR V
In barrel with iris, covers 11x14 in.
Price each.....$34.50

10 3/16 inch (260mm.) F:18
BAUSCH & LOMB PROTAR V
In Volute shutter, covers 11x14 inch.
Price each.....$39.50

9½ inch (240mm.) F:16
LUXOR WIDE ANGLE (U.S.A.)
In barrel, covers 11x14 inches.
Price each.....$24.50

10 inch (250mm.) F:18
RODENSTOCK EX. WIDE ANGLE.
In barrel, covers 11x14 inches.
Price each.....$37.50

11 inch (275mm.) F:16
SCIENTIFIC LENS CO.
Extreme Wide Angle, in barrel, will cover 11x14 inches.
Price each.....$22.50

10 inch (250mm.) F:11
STEINHEIL WIDE ANGLE
In barrel with waterhouse stops, covers 11x14 inches.
Price each.....$34.50

14½ inch (360mm.) F:16
STEINHEIL WIDE ANGLE
In barrel with Waterhouse stops, will cover 12x16 inches.
Price each.....$32.50

16 inch (400mm.) F:18
BAUSCH & LOMB Ser. V PROTAR
In barrel with iris diaphragm, covers 16x18 inches.
Price each.....$59.50

Specify Number 5001R when ordering any of the above Lenses

KOLLMORGEN WIDE ANGLE LENSES

ALL LENSES ARE BRAND NEW AND ATTRACTIVELY PRICED

Kollmorgen Wide Angle lenses cover an effective angle of approximately 90°. This extreme angle of covering makes them ideal for use in photographing interiors, architectural subjects and for all work in cramped quarters where a wide angle of view is necessary. These lenses are very attractively priced and will prove a worth while investment to both the advanced amateur and professional photographer.

IN BARREL MOUNT WITH IRIS DIAPHRAGM

Kollmorgen Wide Angle lenses are furnished in barrel mounts with diaphragm. These lenses are guaranteed and sold on a 10 day trial basis.

FOCUS (Inches)	Covers Plate Size	Aperture	Price Each
5 "	5x7	F:16	$18.50
6 "	6½x8½	F:16	14.50
7 "	8x10	F:16	19.50
10 "	10x12	F:16	14.50
11 "	11x14	F:16	16.50

Specify Number 5002R when ordering any of the above Lenses

• CINE LENSES FOR MOTION PICTURE WORK •

½ inch (12.5mm.) F:2.5
COOKE ANASTIGMAT
For 8mm. Keystone, Revere etc.
Price each.....$27.50

1 inch (25mm.) F:1.5
COOKE-KINIC
In focus mount for 8mm. Keystone, Revere etc.
Price each.....$64.50

½ inch (12.5mm.) F:1.9
WOLLENSAK VELOSTIGMAT
In focusing mount for Keystone and Stewart-Warner 8mm.
Price each.....$42.50

⅝ inch (15mm.) F:2.7
WOLLENSAK WIDE ANGLE
In standard cine mount for 16mm. cameras.
Price each.....$27.50

1 inch (25mm.) F:1.8
COOKE-KINIC
For Filmo, Keystone etc., 16mm. cameras.
Price each.....$49.50

1 inch (25mm.) F:3.5
COOKE CINEMA LENS
In Filmo mount, covers 16mm. Cine.
Price each.....$12.50

1 inch (25mm.) F:1.9
DALLMEYER
In focusing mount for 16mm. Filmo, Keystone, etc.
Price each.....$47.50

1 inch (25mm.) F:1.5
DALLMEYER CINE
In focusing mount for 16mm. Filmo, Keystone etc.
Price each.....$54.50

1⅛ inch (28mm.) F:2.9
HUGO MEYER-TRIOPLAN
For 16mm. Filmo. Keystone, etc.
Price each.....$19.50

(Continued on page 51)

Specify Number 5003R when ordering any of the Lenses listed in the above group
WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

• CINE LENSES FOR MOTION PICTURE WORK •

1⅝ inch (40mm.) F:2
HUGO MEYER KINO PLASMAT
In fixed mount for DeVry 35mm.
Price each $49.50

1⅝ inch (40mm.) F:2
HUGO MEYER KINO-PLASMAT
In fixed mount for Eyemo 35mm.
Price each $42.50

1⅝ inch (41mm.) F:2
POLARIS (Made in U.S.A.)
Anastigmat lens in barrel with iris diaphragm for 35mm. movie work.
Price each $39.50

2 inch (47mm.) F:2.5
COOKE CINEMA LENS
In Eyemo mount, covers 35mm.
Price each $39.50

2 inch (50mm.) F:1.5
DALLMEYER CINE
For Filmo, Keystone etc.
Price each $79.50

2 inch (50mm.) F:1.5
HUGO MEYER KINO PLASMAT
In focusing mount for Filmo, Keystone, etc.
Price each $89.50

2 inch (50mm.) F:2.8
POLARIS ANASTIGMAT (U.S.A.)
In focusing mount for Filmo, Victor, Keystone 16mm.
Price each $24.50

2 inch (50mm.) F:2
POLARIS ANASTIGMAT (U.S.A.)
In focusing mount for Filmo, Victor, or Keystone 16mm.
Price each $42.50

2 inch (45mm.) F:2
SCHNEIDER XENON
In focusing mount for Filmo, Keystone and other 16mm. cameras.
Price each $49.50

2 inch (50mm.) F:1.9
ULTRASTIGMAT (Made in U.S.A.)
Anastigmat in focusing mount for 35mm. Bell & Howell Professional camera.
Price each $39.50

2 inch (50mm.) F:1.9
ULTRASTIGMAT (Made in U.S.A.)
Focusing DeVry mount, covers 35mm.
Price each $39.50

2 inch (50mm.) F:3.5
WOLLENSAK VELOSTIGMAT
In DeVry mount for 35mm.
Price each $24.50

2 inch (50mm.) F:2.7
CARL ZEISS TESSAR
In focusing mount for DeVry.
Price each $47.50

2 inch (50mm.) F:3.5
CARL ZEISS TESSAR
In focusing mount for DeVry Camera.
Price each $39.50

2 inch (50mm.) F:2.7
ZEISS TESSAR
In focusing mount for 35mm. Eyemo.
Price each $47.50

2 inch (50mm.) F:1.5
ZEISS SONNAR
In focusing mount for Eyemo 35mm.
Price each $124.50

2 inch (50mm.) F:3.5
CARL ZEISS TESSAR
For Universal camera.
Price each $39.50

2½ inch (60mm.) F:3.1
BUSCH ANASTIGMAT
In focusing mount for DeVry 35mm.
Price each $24.50

3 inch (75mm.) F:2
BAUSCH & LOMB ANASTIGMAT
In focusing mount for Filmo, Keystone, etc.
Price each $42.50

3 inch (75mm.) F:3.5
BERTHIOT ANASTIGMAT
In focusing mount for Filmo, Keystone, etc., 16mm. cameras.
Price each $37.50

3 inch (75mm.) F:4.5
CINE KODAK
Model "BB" 16mm. camera.
Price each $29.50

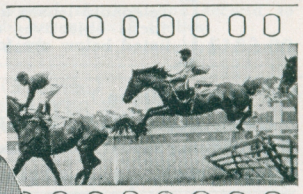
F1.3-1 INCH (25mm.)

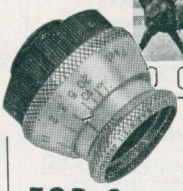
FOR 16mm. CAMERAS

These super speed Laack F:1.3 objectives make you independent of light conditions. Their large aperture enables you to take pictures at night, street scenes, shadow scenes, indoor shots, etc., without fear of under exposure. They provide an image of critical definition with remarkable depth of focus. Despite their large aperture these lenses are fully corrected—chemically and physically. Their color correction is of the highest order. You'll note the difference immediately in your color films when you use one of these high speed Laack lenses. Furnished in focusing type barrel mounts for such cameras as Filmo, Paragon, Keystone, Victor, Bolex, etc.

F:1.3 SUPER SPEED
1 inch (25mm.) Focus
EACH PRICE ONLY . . . $59.50

Order by Number 5102R when ordering





F1.3 ½ INCH (12½mm.)

FOR 8mm. CAMERAS

Brings the optical efficiency of the larger cameras to the 8mm. field. Cuts a sharp, sparkling image that permits projection to large size without apparent loss of detail. Its remarkable depth of focus enables you to take full advantage of its large aperture. Enables you to speed up the camera for slow motion without fear of under-exposure. Furnished in accurately designed, micrometric type mounts, graduated for 2 feet to infinity.

For Keystone 8mm. Cameras
Price each $52.50

For Filmo 8mm. Cameras
Price each $66.50

3 inch (75mm.) F:2.5
COOKE TELE-KINIC
In Eyemo mount.
Price each $54.50

3 inch (75mm.) F:1.9
DALLMEYER
In focusing mount for 35mm. Eyemo.
Price each $72.50

3 inch (75mm.) F:3
DALLMEYER KINEMATOGRAPH
In barrel with iris, covers 35mm.
Price each $49.50

3 inch (75mm.) F:3.5
KRAUSS ZEISS TESSAR
In DeBrie mount for 35mm. cinema cameras.
Price each $19.50

3 inch (75mm.) F:4.5
LUXOR ANASTIGMAT
For 16mm. Keystone, Filmo etc. cameras.
Price each $27.50

3 inch (75mm.) F:4.5
POLARIS ANASTIGMAT (U.S.A.)
In focusing mount for Filmo, Victor, Keystone, etc.
Price each $27.50

3¾ inch (90mm.) F:3.3
COOKE TELEKINIC
A beautiful telephoto lens for standard Filmo cameras.
Price each $59.50

3¾ inch (90mm.) F:3.3
COOKE TELEKINIC
Focusing mount for Eyemo.
Price each $59.50

3½ inch (90mm.) F:1.9
HUGO MEYER PRIMOPLAN
In focusing mount for Filmo.
Price each $124.50

3¾ inch (95mm.) F:3.3
WOLLENSAK TELEPHOTO
In focusing mount for Eyemo.
Price each $44.50

3¾ inch (95mm.) F:3.3
WOLLENSAK TELEPHOTO
In focusing mount for Filmo.
Price each $39.50

1⅝ inch (41mm.) F:1.9
ULTRASTIGMAT (Made in U.S.A.)
Anastigmat lens in barrel with iris diaphragm for 35mm. movie work.
Price each $39.50

1⅝ inch (40mm.) F:3.5
ZEISS TESSAR
In focusing mount for Universal camera 35mm.
Price each $29.50

2 inch (50mm.) F:3.5
BAUSCH & LOMB TESSAR
In Universal focusing mount, covers 35mm.
Price each $29.50

4 inch (100mm.) F:4.5
DALLMEYER
In focusing mount for Filmo, Keystone, etc.
Price each $49.50

4 inch (100mm.) F:2
ERNEMANN ERNOSTAR
In focusing mount for Eyemo.
Price each $94.50

4¾ inch (120mm.) F:6.3
CARL ZEISS TELE-TESSAR
In focusing mount for Filmo, Victor, Paragon, Keystone 16mm. cameras.
Price each $44.50

6 inch (150mm.) F:4.5
COOKE TELE-KINIC
In Eyemo mount.
Price each $74.50

6 inch (150mm.) F:5.5
COOKE TELE-KINIC
For Filmo, Keystone etc., 16mm. cameras.
Price each $59.50

6 inch (150mm.) F:4.5
DALLMEYER
In focusing mount for Filmo, Keystone, etc.
Price each $59.50

6 inch (150mm.) F:4.5
DALLMEYER TELEPHOTO
In focusing DeVry mount, will cover 35mm.
Price each $49.50

6 inch (150mm.) F:3.5
DALLMEYER TELEPHOTO
In Filmo focusing mount, covers 16mm.
Price each $74.50

6 inch (150mm.) F:4.5
DE VRY TELEPHOTO
In focusing mount for DeVry Camera.
Price each $44.50

6 inch (150mm.) F:4.5
GRAF TELEPHOTO
In focusing mount to fit 16mm. Filmo.
Price each $39.50

6 inch (150mm.) F:4.5
GRAF TELEPHOTO
In focusing mount for DeVry 35mm.
Price each $29.50

6¼ inch (155mm..) F:4.5
GOERZ TELEPHOTO
In focusing mount for DeVry.
Price each $39.50

6 inch (150mm.) F:4.5
WOLLENSAK TELE-ANASTIG.
For Keystone, Filmo etc. 16mm. cameras.
Price each $49.50

Specify Number 5101R when ordering any of the lenses listed in the above group

PLEASE NOTE: PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

TELEPHOTO LENSES FOR LONG DISTANCE WORK

Telephoto lenses are winning an ever increasing popularity in all branches of photography where long focus objectives are necessary in securing a large magnified image of direct objects. All lenses listed below are for use on still cameras such as Graflex, Speed Graphics and View cameras.

4¾ inch (120mm.) F:6.3
CARL ZEISS TELE-TESSAR
In focusing mount, covers 2x3 inches.
Price each.....$44.50

5½ inch (140mm.) F:6.3
BAUSCH & LOMB - TELEPHOTO
In mount for National Graflex Camera
Price each.....$47.50

6 inch (225mm.) F:5.6
DALLMEYER DALLON
In focusing mount, covers 2½x3½ in.
Price each.....$42.50

6 inch (150mm.) F:4.5
WOLLENSAK TELE-ANASTIG.
For Keystone, Filmo etc. 16mm. cameras.
Price each.....$49.50

7⅛ inch (180mm.) F:6.3
CARL ZEISS TELE-TESSAR
In barrel with iris, covers 3¼x4¼".
Price each.....$59.50

9½ inch (240mm.) F:9
BUSCH BISTELLAR
In barrel with iris, covers 3¼x4¼".
Price each.....$44.50

9½ inch (240mm.) F:9
BUSCH BIS-TELAR LENS
In barrel, will cover 2¼x3¼ inches.
Price each.....$36.50

9½ inch (240mm.) F:6.3
LAACK TELE-ANASTIGMAT
In Ibsor shutter, covers 3¼x4¼ inch.
Price each.....$54.50

9½ inch (240mm.) F:6.3
LAACK ANASTIGMAT
In barrel with iris, covers 4x5 inches.
Price each.....$49.50

10 inch (250mm.) F:6.5
DALLMEYER DALLON
In barrel, will cover 2¼x3¼ inches.
Price each.....$74.50

10 inch (250mm.) F:6.3
CARL ZEISS TELE-TESSAR
In compur shutter, covers 2¼x3¼ in.
Price each.....$89.50

10¾ inch (270mm.) F:7
COOKE TELAR
In barrel, will cover 2¼x3¼ inches. fully guaranteed.
Price each.....$42.50

10¾ inch (270mm.) F:6.3
PALKO TELE-ANASTIGMAT
In barrel, will cover 2¼x3¼ inches.
Price each.....$39.50

10¾ inch (270mm.) F:5.5
SCHNEIDER TELE-XENAR
In compur shutter, covers 2¼x3¼ in.
Price each.....$99.50

12½ inch (320mm.) F:6.3
VOIGTLANDER TELE-DYNAR
In focusing mount will cover 4x5 in.
Price each.....$79.50

14 inch (320mm.) F:4.5
DALLMEYER "ADON" VI
In barrel with iris, covers 4x5 inches.
Price each.....$99.50

14 inch (350mm.) F:5.5
SCHNEIDER XENAR
In Compound shutter, covers 4x5 in.
Price each.....$114.50

15¾ inch (395mm.) F:7
COOKE TELAR
In barrel, covers 5x7 inches.
Price each.....$94.50

16 inch (405mm.) F:7
BUSCH BIS-TELAR TELEPHOTO
In barrel, covers 5x7 inches.
Price each.....$69.50

17 inch (425mm.) F:5.4
ROSS TELECENTRIC
In barrel with iris, covers 5x7 inchs.
Price each.....$129.50

18 inch (450mm.) F:10
CARL ZEISS TELEPHOTO
Magnar Telephoto in focusing mount, will cover 5x7 inches.
Price each.....$79.50

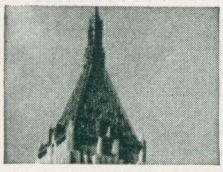
19¾ inch (490mm.) F:7
COOKE TELAR
In barrel with iris, covers 6½x8½".
Price each.....$99.50

22 inch (550mm.) F:7
COOKE TELAR LENS
In barrel, covers 5x7 inches.
Price each.....$97.50

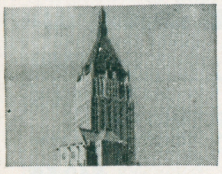
Order by Number 5201R when ordering any of the above Lenses

TELETAR TELEPHOTO—CINE LENSES

Made In U. S. A.



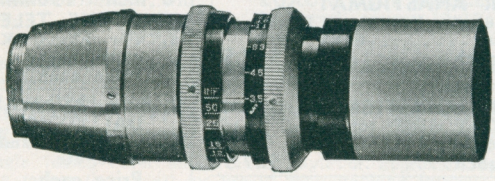
With Standard 12½mm. Lens on 8mm. Camera.



With 1 inch Teletar Lens on 8mm. Camera.



With 1½ inch Teletar Lens on 8mm. Camera.



FOR 8 and 16mm CAMERAS

A good telephoto lens will add immeasurably to the fun and pleasure of home movie making. It will give you close-ups of distant subjects. It is ideal for exciting shots of sports events, candid pictures of children, travel scenes, close-up studies of wild life, flowers, insects, etc. These Teletar lenses provide a flat field of exceptional definition and sharpness. The 1 and 1½ inch lenses will fit Keystone, Revere and Bolex cameras, the 3 in. lens fits Keystone, Victor, Bolex and Filmo. Mention name of camera when ordering.

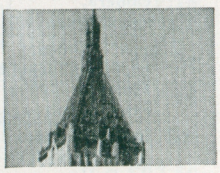
For 8mm. Cameras
1 INCH F:3.5
8mm. Cine Telephoto Lens
For 8mm. cameras Provides semi-telephoto effects.
PRICE, EACH.....**$18.00**

1½ INCH F:3.5
8mm. Cine Telephoto Lens
For 8mm. cameras. Provides greatly enlarged image.
PRICE, EACH.....**$24.00**

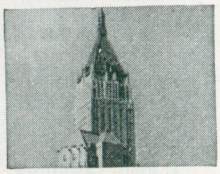
For 16mm. Cameras
2 INCH F:3.5
16mm. Cine Telephoto Lens
For 16mm. cameras. Provides semi-telephoto effects.
PRICE EACH **$28.50**

3 INCH F:3.5
16mm. Cine Telephoto Lens
For 16mm. cameras. Provides real telephoto effects.
PRICE, EACH.....**$35.00**

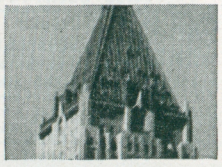
Order by Number 5202R



With Standard 25mm. Lens on 16mm. Camera.



With 2 inch Teletar Lens on 16mm. Camera.



With 3 inch Teletar Lens on 16mm. Camera.

PROCESS LENSES for PHOTO-ENGRAVING, COLOR WORK, ETC.

3½ inch (90mm.) F:4
HUGO MEYER Double PLASMAT
In compur ½ to one sceond, covers 2x3 inches—also 6 inch focal length.
Price each.....$49.50

4 inch (100mm.) F:9
GOERZ APOCHROMATIC
In barrel with iris, covers 2x3 inches.
Price each.....$49.50

6½ inch (165mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, will cover 3¼x5½ inches.
Price each.....$62.50

7¼ inch (185mm.) F:7
CARL ZEISS PROTAR VIIa
In barrel with iris, covers 4x5 in., also 11½ and 14 inches focus.
Price each.....$99.50

6⅜ inch (165mm.) F:6.3
BAUSCH & LOMB PROTAR VIIa
In barrel, also 11⅜ inch focus, covers 4½x7¼ inches.
Price each.....$89.50

7⅞ inch (200mm.) F:6.3
BAUSCH & LOMB PROTAR VIIa
In barrel also 13⅞ in. focus, covers 6x8 inches.
Price each.....$109.50

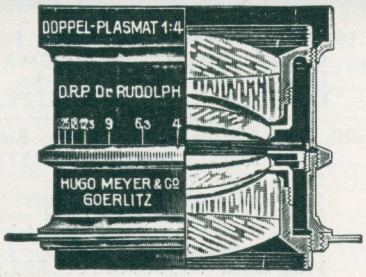
(Continued on page 53)

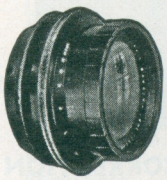
Order by Number 5203R when ordering any of the above Lenses
WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

PROCESS LENSES for PHOTO-ENGRAVING, COLOR WORK, ETC.

Fully Corrected for Technical Work

These Process lenses are designed for all difficult types of copy work where extreme accuracy in reproduction is necessary. They are corrected both chemically and physically, and are recommended for use in photo-engraving and similar pursuits where such extreme correction is essential. Many of the lenses are available with prisms for reversal of image. Of the lenses offered without prisms and where a prism is desired, it can be supplied, properly mounted, at slight additional cost.





Tested—Guaranteed

The lenses found in this group have been selected especially for perfect image production. From the micro-tessar to the large mapping lenses, you may expect hair sharp definition without distortion or other aberrations. All these lenses are computed to be fully corrected for two colors of the spectrum but the apochromatic lenses are computed for three colors, hence their greater color correction and slightly greater cost. We will be pleased to offer suggestions if advised exactly what kind of work is expected from the lens you require. While many of these are brand new and others slightly used, all are fully guaranteed and sold on a money-back guarantee.

8¼ inch (210mm.) F:4.5
EURYPLAN IV
In Perle Rapid, 1 second to 1/200, covers 7x9 inches.
Price each $189.50

7 inch (175mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, will cover 5x7 inches.
Price each $74.50

7⅛ inch (180mm.) F:7.7
GOERZ (Berlin) DAGOR Series III
In Ibsor self-cocking shutter, covers 5x7 inches.
Price each.....$67.50

7⅛ inch (180mm.) F:6.8
GOERZ DAGOR
In barrel with iris, covers 5x7 in.
Price each $59.50

8¼ inch (210mm.) F:4
HUGO MEYER Double PLASMAT
In barrel with iris, covers 5x7 in.
Price each $99.50

8¼ inch (210mm.) F:4
HUGO MEYER Double PLASMAT
In barrel with iris, also 14 inch focus, covers 5x7 inches.
Price each $89.50

8½ inch (215mm.) F:3.5
KOEHLER (U.S.A.) ANASTIG.
In barrel with iris, covers 5x7 in.
Price each $49.50

8¼ inch (210mm.) F:9
LAACK PROCESS
In barrel, covers 5x7 inches, highly corrected.
Price each.....$44.50

8¼ inch (210mm.) 8.7
STEINHEIL ORTHOSTIGMAT
In barrel, covers 5x7 inches.
Price each $59.50

8½ inch (215mm.) F:6.8
TURNER-REICH ANASTIGMAT
In Universal self-cocking shutter, 1 sec., to 1/100th, covers 5x8 inches, also 14 and 20 inch focus.
Price each $76.50

8¼ inch (200mm.) F:5.4
VOIGTLANDER COLLINEAR
In barrel with iris, covers 5x7 in.
Price each $79.50

8¼ inch (210mm.) F:4.5
VOITLANDER COLLINEAR
In barrel with iris, covers 5x7 in.
Price each $79.50

8¾ inch (220mm.) F:7.2
CARL ZEISS PROTAR VIIa
In barrel with iris, covers 5x8 in.,
Price each $119.50

8 inch (200mm.) F:6.3
CARL ZEISS PROTAR VIIa
In barrel with iris, also 14 inch focus, covers 5x7 inches.
Price each.....$87.50

9 inch (225mm.) F.8
COOKE PROCESS SERIES V
In barrel with iris.
Price each.....$74.50

12 inch (300mm.) F:8
COOKE SERIES V ANASTIGMAT
In barrel with iris, covers 6½x8½ in.
Price each.....$79.50

9½ inch (240mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, will cover 6½x8½ inches.
Price each $117.50

9½ inch (240mm.) F:7.7
GOERZ DAGOR SERIES III
In Universal self-cocking shutter, one second to 1/100th, covers 6½x8½ in.
Price each $103.50

10¾ inch (270mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, covers 7x9 inches.
Price each $134.50

10 inch (250mm.) F:3.5
GOERZ DOGMAR
In barrel with iris, covers 7x9 in.
Price each $129.50

10 inch (250mm.) F:8
GOERZ GOTAR
In barrel with iris, covers 6½x8½".
Price each $82.50

9½ inch (240mm.) F:9
RODENSTOCK APOCHROMATIC
In Cronos shutter, covers 6x8 in.
Price each $99.50

10½ inch (270mm.) F:7.7
ROSS-GOERZ DAGOR
In barrel with iris, covers 7x9 in.
Price each $94.50

10½ inch (270mm.) F:6.8
TURNER-REICH ANASTIGMAT
In Universal shutter, convertible to 18 or 24 inch focus, covers 7x9 in.
Price each $94.50

9⅞ inch (250mm.) F:6.3
VOIGTLANDER COLLINEAR
In Betax shutter ½ to 1/50 second, covers 6x9 inches.
Price each $119.50

10 inch (250mm.) F:5.6
VOIGTLANDER COLLINEAR
In barrel with iris, covers 6x8 in.
Price each $129.50

9¼ inch (235mm.) F:7.7
CARL ZEISS PROTAR VIIIa
In barrel with iris, also 14 and 19 also 16 and 14 inch focus.
Price each $149.50

13 inch (330mm.) F:8
COOKE PROCESS SERIES V
In Universal shutter, covers 8x10 in.
Price each.....$109.50

13.3 inch (340mm.) F:8
COOKE PROCESS V
In barrel with iris, covers 8x10 in.
Price each.....$99.50

12 inch (300mm.) F:6.8
GOERZ DAGOR SERIES III
In barrel, covers 8x10 inches.
Price each $146.50

12 inch (300mm.) F:6.8
GOERZ DAGOR SERIES III
In Universal shutter, one second to 1/100th, covers 8x10 inches.
Price each $182.00

12 inch (300mm.) F:4.9
HUGO MEYER PLASMAT
In barrel, covers 8x10 inches.
Price each.....$109.50

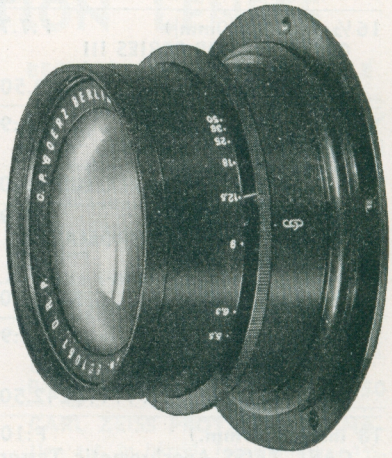
13 inch (310mm.) F:4.3
HUGO MEYER Double PLASMAT
In barrel with iris, also 20 and 24 inch focus, covers 8x10 inches.
Price each $199.50

14 inch (350mm.) F:9
LUXOR PROCESS
In barrel with iris, covers 8x10 inch.
Price each.....$87.50

11⅞ inch 300mm.) F:6.3
VOIGTLANDER COLLINEAR
In barrel with iris, covers 8x10 in.
Price each $129.50

11⅞ inch (295mm.) F:6.3
VOIGTLANDER COLLINEAR
In barrel with iris, covers 8x10 in.
Price each $119.50

12 inch (320mm.) F:9
CARL ZEISS APO-TESSAR
In Betax shutter, covers 8x10 in.
Price each $149.50



14½ inch (365mm.) F:7
CARL ZEISS PROTAR
In barrel with iris, covers 8x10 inch.
Price each.....$109.50

16 inch (400mm.) F:8
COOKE PROCESS SERIES V
In barrel, covers 10x12 inches.
Price each $129.50

14 inch (350mm.) F:8
GOERZ, GOTAR
In barrel with iris diaphragm, covers 10x12 inches.
Price each.....$129.50

14 inch (360mm.) F:7.7
GOERZ DAGOR SERIES III
In barrel, covers 10x12 inches.
Price each $231.00

16½ inch (420mm.) F:8
HUGO MEYER REPRO-PLASMAT
In barrel, covers 10x12 inches.
Price each.....$144.50

15 inch (375mm.) F:9
PRECISION PROCESS ANASTIG.
In barrel, covers 10x12 inches.
Price each.....$74.50

14½ inch (350mm.) F:9
RODENSTOCK APOCHROMATIC
In barrel with iris, covers 10x12 in.
Price each $231.00

(Continued on page 54)

Specify Number 5301R when ordering any of the Lenses listed in the above group

PLEASE NOTE: PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

PROCESS LENSES for PHOTO-ENGRAVING, COLOR WORK, ETC.

15½ inch (390mm.) F:6.3
ROSS-ZEISS PROTAR
In barrel with iris, also 27½ inch focus, covers 10x12 inches.
Price each $244.50

14 inch (350mm.) F:9
TURNER-REICH Anastig. Series V
Process, in barrel with iris, covers 10x12 inches.
Price each $99.50

14 inch (350mm.) F:6.8
TURNER-REICH ANASTIG. III
In barrel with iris, also 28 inch focus, covers 10x12 inches.
Price each $139.50

16½ inch (450mm.) F:10
B. & L. ZEISS APOCHROMATIC TESSAR Series VIII
In barrel with iris, covers 11x14 in.
Price each $189.50

16 inch (400mm.) F:10
COOKE APO-PROCESS Series IX
In barrel with iris, covers 11x14 in.
Price each $149.50

18 inch (450mm.) F:8
COOKE PROCESS SERIES V
In barrel, covers 12x15 inches.
Price each.....$139.50

18 inch (450mm.) F:10
COOKE PROCESS SERIES Vb
In barrel with iris, covers 11x14 in.
Price each.....$119.50

16½ inch (420mm|) F:7.7
GOERZ DAGOR SERIES III
In barrel, covers 11x14 inches.
Price each $249.50

18 inch (450mm.) F:9
KOLLMORGEN PROCESS
In barrel, covers 11x14 inches.
Price each.....$94.50

16½ inch (420mm.) F:9
SCHNEIDER APOCHROMATIC CLARON
In barrel with iris, covers 11x14 in.
Price each $139.50

18 inch (450mm.) F:9
ZEISS Apochromatic TESSAR
In barrel, covers 11x14 inches.
Price each.....$242.50

18 inch (455mm.) F:10
CARL ZEISS Apochromatic Tessar
In barrel, covers 11x14 inches.
Price each.....$230.00

19½ inch (490mm.) F:6.3
BAUSCH & LOMB TESSAR IIb
In barrel with waterhouse stops, covers 14x17". Remarkably flat field, good coverage - excellent definition.
Price each $99.50

19 inch (480mm.) F:8
GOERZ GOTAR
In barrel with iris, has slot for fillers etc., covers 12x16 inches.
Price each $219.50

19 inch (480mm.) F:7.7
GOERZ DAGOR SERIES III
Is barrel, will cover 14x17 inches.
Price each $325.00

19 inch (480mm.) F:11
GOERZ PROCESS ANASTIGMAT
In barrel, will cover 14x17 inches.
Price each.....$129.50

20 inch (500mm.) F:6.3
HERMAGIS (French) ANASTIG. Series D
In barrel with iris. Extremely flat field and when stopped down makes splendid all around commercial lens, priced to move.
Price each $95.00

18 inch (450mm.) F:9
HUGO MEYER PROCESS
Plasmat Process lens for reproduction, color corrected, in barrel, will cover 14x17 inches.
Price each.....$159.50

19 inch (480mm.) F:6.3
KALOSAT (QUARTZ) LENS
In barrel with iris, covers 14x17 in.
Price each $99.50

20 inch (500mm.) F:6
CARL MEYER Double Anastigmat
In barrel with iris, covers 14x17 in.
Price each $139.50

19½ inch (490mm.) F:6.8
STEINHEIL ORTHOSIGMAT
In barrel with iris, covers 14x17 in.
Price each $169.50

19 inch (480mm.) F:9
SCHNEIDER APOCHROMATIC
In barrel with iris, covers 14x17 in.
Price each $179.50

20 inch (500mm.) F:9
CARL ZEISS PROTAR
In barrel with iris, covers 14x17 inch.
Price each.....$159.50

22 inch (550mm.) F:6.3
VOIGTLANDER COLLINEAR
In barrel with iris, covers 14x17 in.
Price each.....$139.50

19½ inch F:6.3
BAUSCH & LOMB TESSAR IIb
In barrel with 2 waterhouse stops covers 14x17 in. to 16x20 in., excellent for black and white copy work.
Price each $97.50

19 inch (480mm.) F:7.7
GOERZ DAGOR SERIES III
In barrel with iris, covers 16x20 in.
Price each $299.50

24 inch (600mm.) F:20
GOERZ HYPAR
In barrel with iris, covers 8x10 in.
Price each $129.50

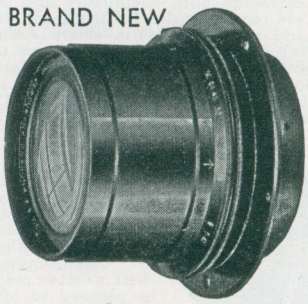
24 inch (600mm.) F:11
GOERZ ALETHAR
In barrel with iris, covers 17x20 inch.
Price each.....$198.00

24 inch (600mm.) F:7.7
GOERZ DAGOR SERIES III
New. In barrel, covers 16x24 inches.
Price each.....$349.50

24 inch (600mm.) F:9
LUXOR PROCESS
In half sunk mount, covers 16x20 in.
Price each.....$99.50

B. & L. Process Lenses
25 IN. FOCUS - F:10 SPEED

BRAND NEW



FULL COLOR CORRECTION

Particularly designed for process work where extreme accuracy in reproduction is desired. Corrected both chemically and physically. Color correction is of the highest order—all colors being brought into coincidence at the focal plane. They are recommended for all types of work. Sold on money back basis.

IN BARREL MOUNT
Order by No. 5403R Price Each..... $199.50

24 inch (600mm.) F:9
CARL ZEISS ANASTIGMAT
In barrel with iris, covers 16x20 in.
Price each $169.50

24 inch (600mm.) F:9
VOIGTLANDER APO-COLLINEAR
In barrel with slot and waterhouse stops, will cover 18x22 inches.
Price each $229.50

25 inch (620mm.) F:10
COOKE APOCHROMAT PROCESS
In barrel, covers 16x20 inches.
Price each.....$248.50

25 inch (620mm.) F:8
COOKE PROCESS SERIES V
In barrel, will cover 16x20 inches.
Price each.....$189.50

25½ inch (520mm.) F:10
STEINHEIL, REPRODUCTION
In barrel with iris, covers 18x22 in.
Price each.....$99.50

25 inch (640mm.) F:10
CARL ZEISS APO - TESSAR XII
In barrel with iris, covers 18x22 in.
Price each $229.50

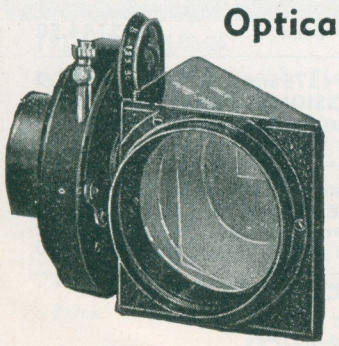
27 inch (675mm.) F:9
HUGO MEYER REPRO-PLASMAT
In barrel, for process and reproduction, covers 18x24 inches. Color corrected.
Price each.....$225.00

30 inch (750mm.) F:8
BECK RECTILINEAR
In barrel with iris, covers 18x22 in.
Price each $39.50

48 inch (1220mm.) F:20
STEINHEIL PROCESS
In barrel with iris diaphragm, will cover 30x40 inches.
Price each.....$249.50

Specify Number 5401R when ordering any of the Lenses listed in the above group
WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

Optical Prisms for Image Reversal—Complete with Mounts



High grade optical prisms of exceptionally fine construction. Recommended for use in process work and photo engraving where extreme accuracy is essential. Ideal for use on photostat machines, etc. These prisms are also extensively used on modern direct paper positive cameras to secure reversal of image. These prisms are accurately mounted with a threaded flange to fit the lens. Price quoted do not include mounting to your lens. Send in lens for fitting.

1¾ inch size with mount, Price Each..... $23.50
2 inch size with mount, Price Each..... $35.50
2½ inch size with mount, Price Each..... $59.50
3 inch size with mount, Price Each..... $95.50
3½ inch size with mount, Price Each..... $119.50
4 inch size with mount, Price Each..... $179.50
4½ inch size with mount, Price Each..... $239.50
5 inch size with mount, Price Each..... $329.50

Specify Number 5402R when ordering any of the Lenses listed in the above group

STANDARD LENSES for LEICA and CONTAX CAMERAS

This select group of lenses are all in mounts to fit standard Leica and Contax cameras. Many of these lenses are brand new, some have been used—or have come to us as trade-ins.

Guaranteed for Quality and Value

The lenses listed here are all of guaranteed quality. They are sold on a 10-day money back basis. Their value at the low prices quoted makes them all outstanding bargains. A lifetime opportunity to add an extra lens to your outfit—at a real cash saving.

Write for Lenses Not Listed

The popularity of standard lenses for use on Leica and Contax cameras makes for a rapid turnover of this stock. The listings here cover only those lenses in stock as we go to press. If you are looking for any special lens not listed, write for quotations.

1⅛ inch (28mm.) F:6.3
LEITZ HEKTOR
Wide angle, for Leica, coupled.
Price each.....$67.50

1⅜ inch (35mm.) F:3.5
LEITZ ELMAR WIDE ANGLE
For Leica, couples to range finder.
Price each.....$59.50

2 inch (50mm.) F:2
LEITZ SUMMAR
Leitz Anastigmat in focusing mount for Leica C, D, E, F or G. Couples to range finder, chrome finish.
Price each.....$74.50

2 inch (50mm.) F:1.5
H. MEYER KINO-PLASMAT
Coupled in focusing mount for Leica.
Price each.....$129.50

2 inch (50mm.) F:1.5
CARL ZEISS SONNAR
In mount for Contax camera. New condition.
Price each.....$129.50

3 inch (75mm.) F:2
BAUSCH & LOMB
In focusing mount, for Leica, not coupled.
Price each.....$52.50

3 inch (75mm.) F:1.5
HUGO MEYER PLASMAT
In focusing mount for Contax.
Price each.....$139.50

3 inch (73mm.) F:1.9
LEITZ HEKTOR
Leitz Anastigmat in focusing mount, couples to range finder, for Leica camera C, D, E, F or G.
Price each.....$119.50

3½ inch (90mm.) F:4
LEITZ ELMAR
In focusing mount for Leica camera, couples to range finder.
Price each.....$74.50

3¼ inch (85mm.) F:4
CARL ZEISS TRIOTAR
In focusing mount for Contax camera.
Price each.....$89.50

5¼ inch (135mm.) F:4.5
LEITZ ELMAR
In focusing mount, for Leica, not coupled.
Price each.....$64.50

5¼ inch (135mm.) F:4.5
LEICA HEKTOR
In focusing mount for Leica camera, coupled to range finder.
Price each.....$122.50

7⅛ inch (180mm.) F:6.3
CARL ZEISS TELE-TESSAR
In focusing mount for Contax camera.
Price each.....$139.50

Specify Number 5501R when ordering any of the Lenses listed in the above group

PLEASE NOTE—PRICES QUOTED HERE CANCEL ALL PREVIOUS PRICES

CONVERTIBLE SETS COMBINATION LENSES

In this special listing will be found lenses which are a necessity to the scientific and technical minded photographer. Due to limited quantity specify second choice where possible.

VOIGTLANDER COLLINEAR "B"
Series II set in barrel. 4 lenses-focal Lengths 5¾, 6¼, 7, 8¾, 11½ and 14 inch, covers 5x7—8x10 inhes.
Price each.....$139.50

RAPID APLANAT CONVERTIBLE
Combination set, in barrel. Focal lengths 6"—7⅛"—8¾", covers 4x5 to 6x8 inches.
Price each.....$18.50

VOIGTLANDER COLLINEAR
3 lens combination, focal lengths 5¼, 4¼, 4½, 6⅛ and 9 inches, in compur shutter, covers 2¼x3¼ to 7x9 inches.
Price each.....$99.50

R & J BECK COMBINATION
set. No. 4, in barrel. 6 lenses, focal lengths, 6", 8" and 11", covers 4x5 to 7x9 inches.
Price each.....$42.50

HUGO MEYER EURYPLAN
Combination set IV in compur shutter, focal lengths 4⅛-5¼-6½ inches. covers 2¼x3¼ to 4x5 inches.
Price each.....$60.50

RAPID APLANAT CONVERTIBLE
Combination set. Focal lengths 4⅛-4½-4¾-6-6¾-8 inches, covers 3x4 to 5x7 inches.
Price each.....$24.50

BECK-STEINHEIL CONVERTIBLE
orthostigmat, in barrel, focal lengths, 6½, 7½, 8, 8⅞, 10, 12½ and 14½ inches, covers 4x5 to 10x12 inches.
Price each.....$77.50

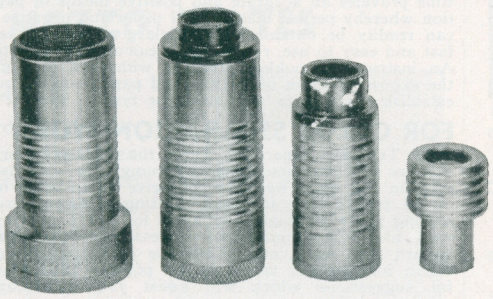
RAPID APLANAT-CONVERTIBLE
Combination, Focal lengths 4⅛, 4¾, 6⅞, 8½, 11¾, 13¼, 6, 8¼, 10½, 12-¾, 14½ inches, covers 3x4 to 10x12 inches.
Price each.....$49.50

BAUSCH & LOMB CONVERTIBLE
Protar set, in barrel. Focal lengths—7, 7½, 8½, 11½, 14, 16½ inches. Covers 5x7 to 10x12 inches.
Price each.....$120.50

CARL ZEISS PROTAR COMBINA-
tion set, in barrel, focal lengths. 4⅛, 5¼, 6½, 8¾, 11 and 14 inches. covers 2¼x3¼ to 10x12 inches.
Price each.....$134.50

Specify Number 5502R when ordering any of the above Lenses

MOTION PICTURE PROJECTION LENSES



16mm. MOVIE PROJECTORS

LENS No. 1 — F:1.65,-2 inch Focus

Aperture F:1.65 — 2 inch focal length. Threaded barrel measures 30mm. in diameter. Will fit Stewart-Warner, Keystone A-81, A-72 and projectors having same diameter.

Order by Number 5504R
PRICE EACH $7.50

3 inch F:1.65 as above. Order No. 5503R $9.50

LENS No. 2 — F:2.0,-1½ inch Focus

Aperture F:2.0 — 1½ inch focal length. Threaded barrel measures 30mm. in diameter to fit Stewart-Warner and Keystone A-81, A72 projectors.

Order by Number 5506R
PRICE EACH $5.00

LENS No. 3 — F:2.0,-2 inch Focus

Aperture F:2.0 — 2 inch focal length. Will fit Keystone Projectors, Models D-62, 74 Excel and Pekoscope, etc. Diameter of barrel measures 25mm.

Order by Number 5505R
PRICE EACH $6.00

LENS No. 4 — F:2.0,-1 inch Focus

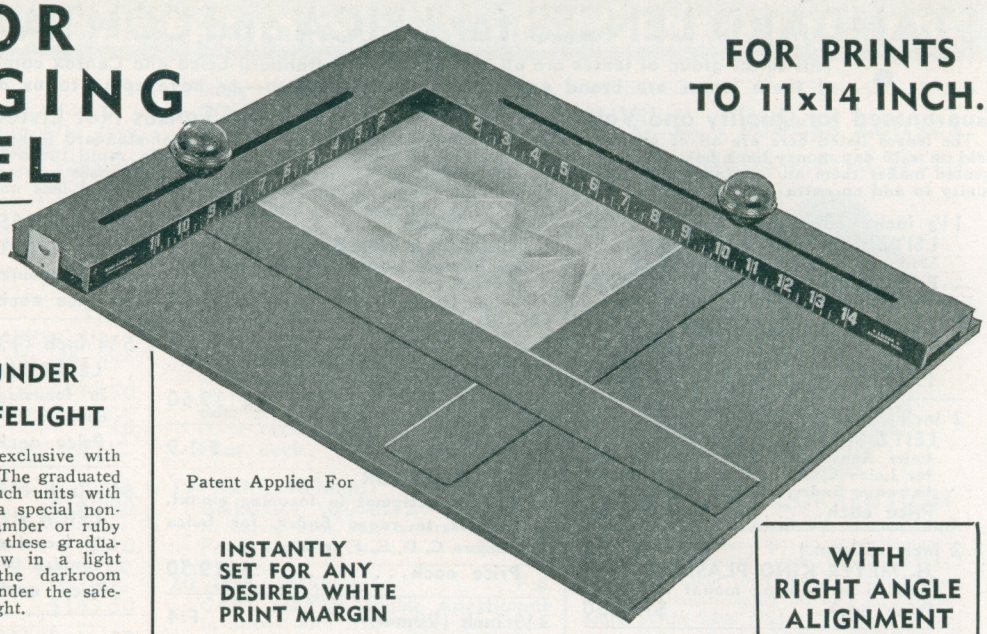
Aperture F:2.0 — 1 inch focal length. Gives large image on short throw. For use on Keystone 16mm. Projectors having amount diameter of 23½mm.

Order by Number 5507R
PRICE EACH $3.95

Specify Number 5503R when ordering any of the Lenses listed in the above group

LUXOR ENLARGING EASEL

FOR PRINTS TO 11x14 INCH.



Patent Applied For

INSTANTLY SET FOR ANY DESIRED WHITE PRINT MARGIN

WITH RIGHT ANGLE ALIGNMENT GUIDES

NON-ACTINIC RED BASEBOARD AND GRADUATIONS ARE EASILY LEGIBLE UNDER THE DARKROOM SAFELIGHT

An innovation in easel design, exclusive with this new streamlined Luxor. The graduated edge scale is stepped off in ¼ inch units with large easily legible numerals in a special non-reflecting red color. Under the amber or ruby light of the dark room safelight, these graduations and numerals literally glow in a light color, instantly legible under the darkroom light. Actually easier to read under the safelight than under normal white light.

NEW TYPE-POSITIVE ALIGNMENT GUIDES

The problem of paper alignment has been whipped in this new Luxor Easel. Six long slits cut into the baseboard ¼ of an inch apart, hold a 5 inch long alignment strip. This permits margins from ¼ to 1½ inches in width. The long 5 inch surface of these guides enable you to slip the paper to top and side guides where it is automatically squared for true uniform margins.

WARP-PROOF BASEBOARD

The Luxor Baseboard is constructed of tempered masonite with a new non-actinic red finish that appears white under the ruby darkroom light. This eliminates undesireable reflections from the baseboard or scale that would tend to fog the prints. It will not absorb moisture and is free from all tendency to warp.

YOU'LL GET BETTER PRINTS WITH A LUXOR

This new Luxor Enlarging Easel will bring you a new measure of convenience in projection printing. It will enable you to get uniform white margins on all of your prints. Its use will eliminate subsequent trimming of the print or make-overs due to uneven borders. The large easily legible graduation are easy to see under the dim light of the darkroom and the masking bands may be instantly set for any desired margin by a adjustment of the large plastic knobs.

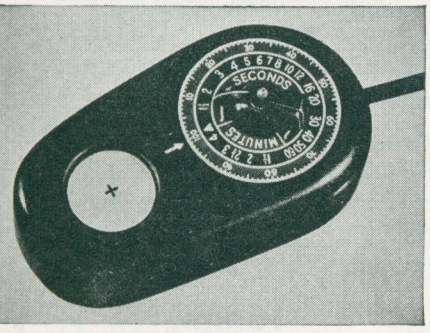
A TIME SAVER IN PROJECTION PRINTING

You cannot begin to appreciate the many fine features of the Luxor until you place it under the enlarger. Then you will find how the Luxor guides square up the paper for a uniform white margin. Setting of the masking bands, due to the easily legible graduation, is easily and instantly accomplished under the dim light of the darkroom. Then you will notice how it holds the paper flat—even the most obstinate double weight paper presents a perfectly flat surface for uniform definition throughout the print. Accommodates all sizes of paper up to and including 11x14 inches. Luxor proves the point that at an economical price, you can buy a perfect Enlarging Easel.

Order by Number 5601R
PRICE, EACH **$4.95**

ENLARGOMETER—Special Exposure Meter For Enlargements

GIVES CORRECT EXPOSURE READING INSTANTLY



The Enlargometer provides a practical means for determining the correct exposure time for enlarging—for any negative and any type or grade of enlarging paper. In addition, it will tell you the tone scale of your negative—and indicate instantly the proper contrast grade of paper to use to reproduce the full tone and gradation scale of your negative. The Enlargometer has been designed for use in enlarging only. The illuminated field for color matching has been greatly enlarged, making it extremely easy to secure perfect color matching by reflected light. The Enlargometer may also be used for lantern slide printing.

WITH RECO GRAY SCALE

Included with the Enlargometer is a new Reco Grey Scaler, which enables you to determine the tone scale of any type of enlarging paper. It consists of a calibrated grey scale with relative exposure numbers printed right on the strip. The steps are large and clear, being ⅝x⅞ inches in size wih the full scale running to a length of 5 inches. Convenient in size, the new Reco Grey-Scaler is simple to use and easy to store away in the Enlargometer box.

SAVES PAPER AND TIME

The Enlargometer besides determining the correct printing time provides an accurate and positive means of paper selection whereby perfect matching of paper and negative contras can readily be obtained. The Enlargometer is exceptionally fast and easy to use, requiring no calculations or estimations An instruction booklet furnished with each unit gives you the exposure values of all standard papers—tells you how t establish a value for any brand or type.



FOR COLOR SEPARATION WORK

In Tri-color Separation work the Enlargometer can b used as a densitometer and is coming into wide use by ex perts in this art. The meter will give an accurate indicatio of the proper time for local printing, dodging, printing-in making photo montages, etc. Ideal for use in printing 35mm strip film where uniformity is essential—also for use i lantern slide work, etc. Complete with instruction booklet which incorporates tables on all popular papers and helpful suggestions which will assist you in making prize winning prints.

Order by Number 5602R
PRICE, EACH..... **$4.95**

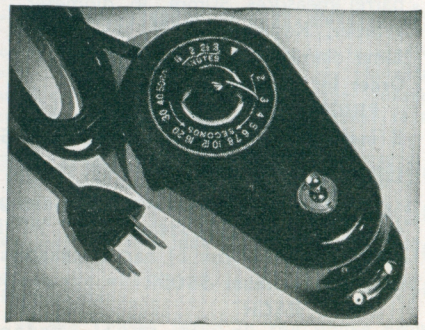
PRINTOMETER—EXPOSURE METER FOR CONTACT PRINTS OR ENLARGEMENTS

A revolutionary development in a practically designed exposure meter for accurately determining exposure time in both contact and projection printing. It eliminates the need of test strips, eliminates the loss of paper ordinarily wasted by "trial and error' exposures. Saves valuable darkroom time and quickly pays for itself in the improved quality of your prints. In addition the Printometer will give you the tone scale of your negative—and indicate instantly the proper contrast grade of paper to use to reproduce the full tone and gradation scale of your negative.

CONTACT OR ENLARGEMENT

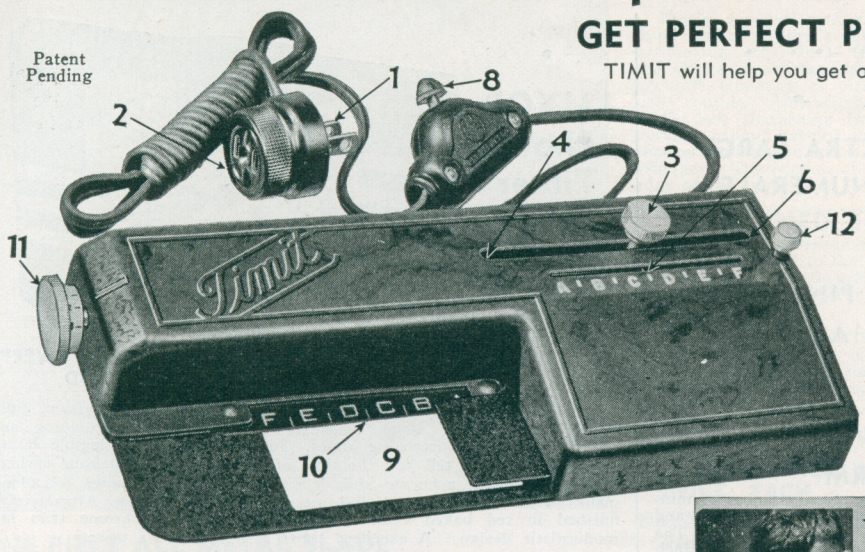
In contact printing the meter is placed over the negative on the printer. In projection printing it is placed on the enlarging easel. By taking both a highlight and shadow reading it gives you the scale of the negative—indicating the contrast grade of paper to use. No estimates or calculations are necessary as the instrument indicates directly the necessary exposure time. The meter is supplied with a clearly written, illustrated booklet on Precision Print Control. It is complete with tables on all popular papers and suggestions for successful dodging, montage and tri-color separation work.

Order by Number 5603R
PRICE, EACH..... **$8.95**



Will prove a worthwhile investment as a time and paper saver in the dark room. Complete with instructions

TIMIT—Combination Enlarging Exposure Meter and Automatic Exposure Switch . . .



GET PERFECT PRINTS WITH "TIMIT"

TIMIT will help you get a perfect print every time. It is the only enlarging exposure meter on the market that employs time tested principles in determining the exposure time. It makes you the judge of the tone quality you want. It shows you the results you can expect from the paper you are using—as well as the developer solution and the time and temperature under which you are working. It is a short cut to perfect prints. It saves you both time and paper.



Unfailing Accuracy in Timing

A new, revolutionary instrument that employs time tested and proven principles in determining the correct exposure time in enlarging. Its operation is practical—not theoretical. It automatically allows for development time, temperature, paper characteristics and the chemical activity of the developing solution. In addition to that TIMIT is also a time switch. For your final print it turns the enlarger light on—keeps it on for the proper exposure time—then turns it off automatically. It is surprisingly simple, extremely practical and fool-proof in operation.





The Test Strip Principle

TIMIT employs the test strip principle to determine the correct exposure time. A typical test strip is shown above. On this strip the key letter "D" indicates the correct exposure—and that exposure is based upon the paper you are using—the developing solution you are using—and both time and temperature are allowed for. You can not help but get a perfect print as all factors that bear on its quality are allowed for by Timit.

Automatic Time Switch for the Enlarger

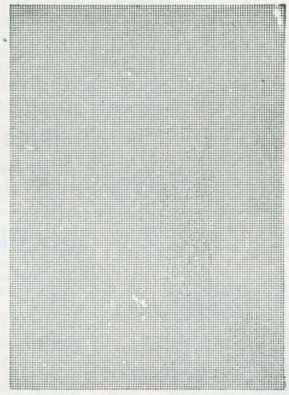
TIMIT, in addition to providing you with a test strip indicating the correct exposure, is also a time switch for the operation of the enlarger when making the exposure for the final print. Once the TIMIT instrument is set for this time, print after print may be made in the dark—with the assurance that every print is receiving the exact exposure as indicated on the original test strip. "TIMIT is so simple—so practical—so fool-proof—it's surprising no one has thought of it before", say many of the foremost commercial studio operators.

Specify Number 5701R when ordering. **PRICE EACH..... $10.50**

SPURR'S CELLULOID MEZZO PLATES

ELIMINATES RETOUCHING

These celluloid type 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.

3¼x4¼ inches Price each 10c	5x8 inches Price each 25c	10x12 inches Price each 55c
4x5 inches Price each 15c	6½x8½ inches Price each 30c	11x14 inches Price each 75c
5x7 inches Price each 20c	8x10 inches Price each 40c	20x50 inches Price each $4.50

Order by Number 5702R

RED DEVIL GLASS CUTTER



The Red Devil is the most efficient glass cutter made. The wheel is of the finest carbon steel, having a true, sharp edge.

Price each 25c

Order by Number 5703R

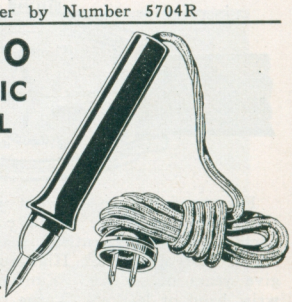
INGENTO STIRRING ROD

The Ingento Stirring Rod is also an efficient chemical crusher.

PLAIN GLASS	PLAIN GLASS
10" long Price each 15c	7" long Price each 9c

Order by Number 5704R

REXO ELECTRIC PENCIL



Electric Pencil Set for inscribing prints, folders, etc., in gold or silver. Complete with roll of foil. An excellent value at this special price.

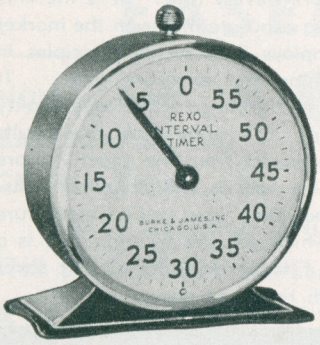
Order by Number 5705R

Price each $1.29

DEPENDABLE MODERN TIMERS ACCURATE

NOW! AN INDISPENSIBLE DARK ROOM ACCESSORY

REXO INTERVAL TIMER . . .



EXTRA LARGE NUMERALS

PIN SET ALARM

The Rexo Interval Timer will prove invaluable in the dark room for timing development, etc.

SOUND BELL ALARM

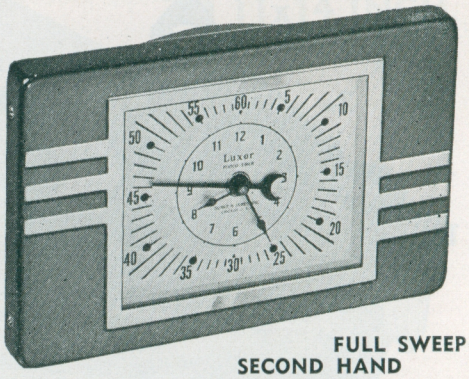
The alarm may be set to ring at any pre-determined number of minutes up to 60. On long exposures or when developing by time and temperature an interval timer of this type will prove invaluable. The Rexo Interval Timer has a dependable spring motor, and a 4½ inch dial. An excellent dark room timer.

SALE PRICE, EACH ONLY **$2.98**

Specify Number 5801R when ordering

LUXOR Photo Timer No. 2

ACCURATE AS A TIME KEEPER



FULL SWEEP SECOND HAND

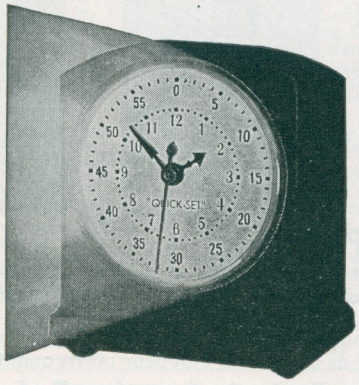
A modern double duty timer. Features a large full vision, full sweep second hand which measures off the seconds providing an accurate check on exposure times. Smaller, yet, easily legible hour and minute hands tell you the time of the day. Full 30 hour spring motor movement, accurate and dependable. Unit measures 6¾x4½ inches with oblong shaped dial measuring 3x3¾ inches. Attractively finished in red baked enamel with highly polished chrome trim in modernistic design. A excellent timer at a reasonable price.

Order by Number 5805R,

PRICE EACH **$3.25**

Same as above, but with Radiolite Dial, Each **$5.25**

QUICK-SET ELECTRIC TIMER-CLOCK with BUZZER ALARM

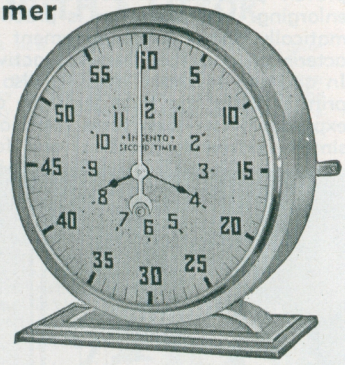


New clock and timer. Translucent dial transmits light from a tiny ruby bulb, so that hands and numerals are easily visible. The 3" dial has both hour and minute gradations with full sweep second hand. Includes alarm. Electrical, operates on 110-120 volt 60 cycle only. 5x4x2¼" in size. Black bakelite case. Accurate and economical. Complete with cord, plug, etc.

Order by Number 5802R,

PRICE EACH **$5.50**

Ingento Second Timer



This clock was made to satisfy the demand for an accurate second timer for the dark room or print room. The large sweep second hand can be seen across the room. The hour and minute hands are in the center. No alarm.

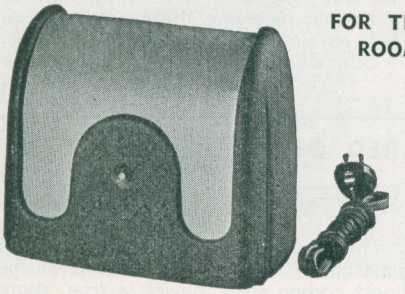
The clock is wound up by hand with a powerful spring. The sweep second hand is released by the lever on the side and counts off the seconds. By pressing the lever again the sweep hand is stopped and returned to zero position. The lever has a hole to which a string or spring attachment can be inserted for more efficient use.

The case is metal, ivory finished with a 4½ inch dial face. A very accurate and useful timer. Priced especially low and easily worth double the price asked.

SALE PRICE, EACH ONLY **$4.95**

Specify Number 5806R when ordering

PERLE AUDIBLE TIMER . . . .



FOR TIMING ALL DARK ROOM OPERATIONS

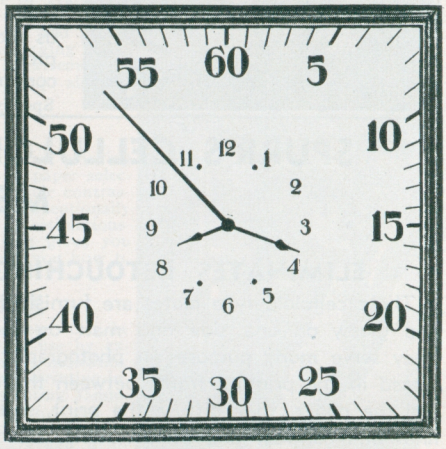
TICKS THE SECONDS

An audible timer that strikes a pleasant audible "ping" every second. Electrically operated with a well constructed induction motor for use on 110 volt 60 cycle A.C. only. No dial to watch — no harsh alarm to ring. Operates continuously. Ideal for use in color separation work, timing all dark room and printing operations in measured seconds of time. For use in timing exposures for many devices at same time.

Order by Number 5803R

PRICE EACH **$3.95**

REXO ELECTRIC WALL TIMER



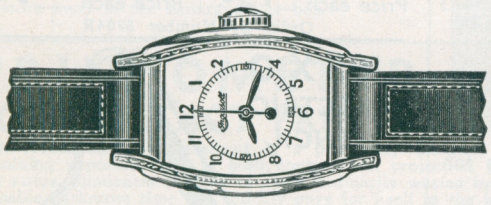
Electric wall clock for dark room or print room. The large sweep second hand can be seen across the room. Hour and minute hands in the center. Mahogany finish case, 14 inch dial. Operates only on 60 cycle 110-120 volt A.C. with controlled frequency.

Order No. 5807R

PRICE EACH

$7.50

INGERSOLL WRIST WATCH TIMER



WITH FULL SWEEP SECOND HAND

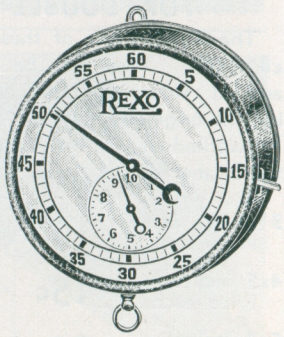
For the first time—a wrist watch especially suitable as a darkroom timer. Will also be found convenient for sports fans and officials, doctors, nurses, scientists, teachers, engineers, students; technicians and a host of others. High-quality watch, fully guaranteed, and will give years of service. Finished in chrome metal with chrome link wrist band or leather. Large red sweep second hand. An investment you will never regret.

WITH CHROME METAL BAND, Price, Each. **$3.95**

WITH LEATHER WRIST BAND, Price, Each... **$3.95**

Specify Number 5804R when ordering

IMPROVED REXO GIANT TIMER

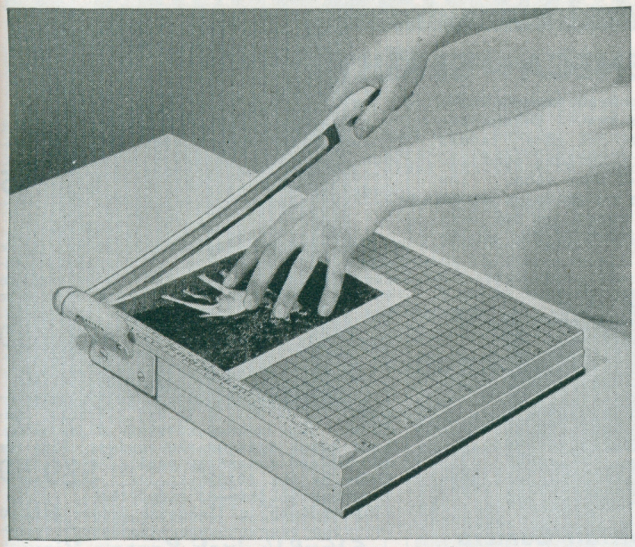


The large 8½" dial allows the reading of the seconds at long distances. The small dial inside registers the minutes. Equipped with a lever to stop clock at any point. The winding is done with the key at the back. Will run 36 hours on one winding. The clock is started by the lifting upwards of the side lever. A pressure downwards of the same lever will stop the recorder. By pulling the lower ring, both hands are brought back to the starting point. Designed for hanging on the wall, its large dial being visible from all parts of the room.

Order No. 5808R

PRICE EACH **$21.50**

THE NEW REXO" DeLUXE "TRIMMING BOARDS



FOR FAST, ACCURATE TRIMMING

Newly designed and steamlined. Built to stand up under heavy duty service in the trimming of single and double weight prints—cardboards, etc, Ideal for both amateur and professional use— and the choice of artists, showcard writers and offices where the neat and accurate trimming of pictures, prints and drawings is a part of the daily routine. An outstanding feature of the Rexo "DeLuxe" Trimmer is the self sharpening feature of the one-piece metal blade. The accurately ground beveled cutting edge of the blade is held under uniform tension against the shearing edge of the metal inset on the bed of the trimmer. The friction of the metal on metal, constantly conditions the edge of the cutting.

STREAMLINED SCORED BASEBOARD

The bed of the trimming board is scored in ½ inch lines at right angles and parallel to the cutting edge. A ruler at the top of the board acts as a paper guide,holdingthe paper to be trimmed at right angles to the cutting edge. The ruler is graduated in both inches and millimeters.

The bed of the Rexo DeLuxe Trimming Board is of selected maple. The edges are finished in a special shaped design that adds stability and ruggedness to the complete assembly. The spring tension mechanism for the blade is completely enclosed under an attractively shaped metal housing. Unit is attractively finished with natural maple top, edges and metal trim in silver gray. The Rexo DeLuxe Trimming Board is recommended for all home, office and studio use.

No. 1 - 6½ INCH BED PRICE, EACH **$2.50**

No. 2 - 8½ INCH BED PRICE, EACH **$3.00**

No. 3 - 10½ INCH BED PRICE, EACH **$3.75**

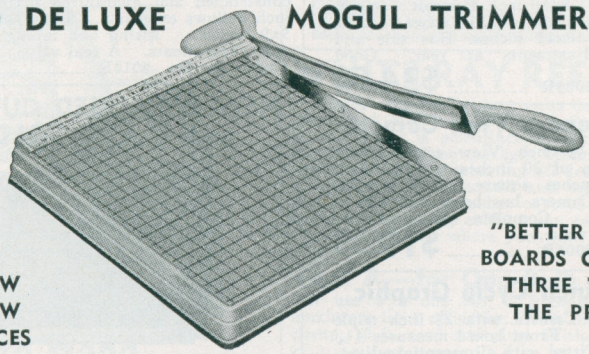
No. 4 - 12½ INCH BED PRICE, EACH **$5.50**

Specify Number 5901R when ordering

ONE PIECE ALL METAL BLADE

The Rexo Trimmer features a solid, one-piece metal blade with a conveniently formed handle. The blade is accurately machined and ground with a true bevel edge. It is then subjected to a hardening process. Being accurately ground, its shearing action is smooth and uniform over its entire length. The blade is held against the bed of the trimmer by an adjustable spring tension device, enabling the operator to adjust it for light or heavy cutting.

REXO DE LUXE MOGUL TRIMMER



NEW LOW PRICES

"BETTER THAN BOARDS COSTING THREE TIMES THE PRICE"

The above statement was made by one of Chicago's leading commercial photographers. The bed is of seasoned maple as wide as it is long. The supporting cleats are mitred into the bed, which is subdivided into perfect half-inch squares, enabling accurate trimming at any point on the board. The cutting blade is of one-piece solid all metal construction, perfectly hardened. The bottom supports are cushioned to give a firmer hold and to avoid scratching desks or tables.

$12.00

Specify Number 5902R when ordering

HEAVY DUTY TRIMMERS



These heavy duty trimmers are made with a special one-piece all-metal blade, of ample weight and strength to cut the heaviest substances. Heavy ample bed with mitred supporting cleats to eliminate warpage.

No. 7—19½ INCH BED

A large oversize trimmer for all types of heavy duty work. Bed measures 19½ in. Adjustable spring tension all metal blade of one-piece construction, accurately ground and hardened.

PRICE EACH **$17.50**

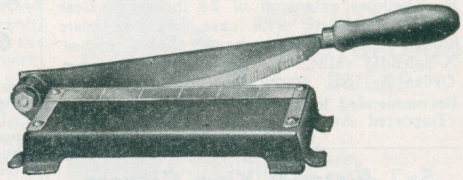
No. 9—24½ INCH BED

Designed for heavy duty use in studio, school room or wherever a trimmer of exceptional capacity is required. Bed measures 24½ inches. Adjustable spring tension one-piece all metal blade.

PRICE EACH **$27.50**

Specify Number 5903R when ordering

REXO DECKLE EDGE TRIMMING BOARD

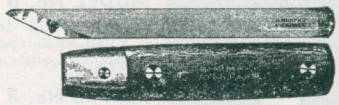


Produces a beautiful deckle edge around print imitating the hand made imported papers. Will quickly pay for itself in satisfied customers and increased orders. Indestructible steel construction, with transparent trimming gauge and graduated ruler. Blade precision ground of finest razor steel.

6 INCH BED	10 INCH BED
PRICE, EACH	PRICE, EACH
$3.25	**$7.50**

Specify Number 5905R when ordering

STUDIO TRIMMING KNIFE



A handy accessory for the studio workroom. Ideal for cutting matts and all general trimming work. The long, adjustable blade will last for years.

Complete with Blade, Each $1.75

Extra Blades, Each ..... .35

Specify Number 5906R when ordering

"TRIM" PRINTS WITH REXO TRIMMING BOARDS

A LIFETIME OF USE FROM THE REXO ALL METAL TRIMMER

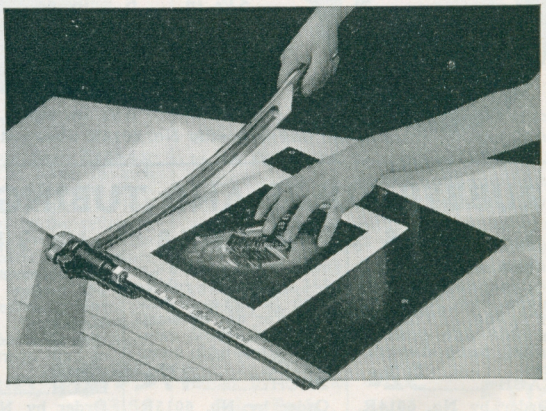
A heavy duty trimming board for studio and shop use. The special hardened all metal blade is extra heavy—holds its keen edge through months of the toughest kind of cutting. The all metal bed is 15 inches square—finished in heavy baked on enamel. Metal ruler placed at head of board, squares the work to the cutting edge—provides for accuracy in trimming.

FOR ALL HEAVY DUTY TRIMMING

The all metal blade of special composition metal is heat treated for hardness, and ground to a keen edge . . . Self sharpening. Special spring tension automatic take-up adjustment holds the blade in perfect alignment with cutting edge. Will handle everything from flimsy tissue to heavy binder board.

SPECIAL PRICE, EACH ONLY **$12.50**

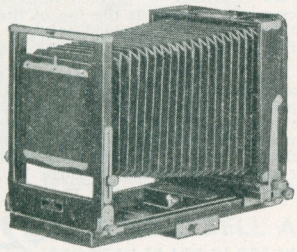
Specify Number 5904R when ordering



PORTRAIT • VIEW • BANQUET CAMERAS

EASTMAN – KORONA – SENECA – SLIGHTLY USED

Here you are offered a wide selection of fine commercial, view and portrait cameras in all the commonly used sizes. Many of these cameras cannot be told from new. Others have been used as demonstrators and still others have come to us on trade-ins, etc. Every camera offered has been carefully gone over—and is guaranteed to be in perfect operating condition. They are sold on a ten-day money back basis—an assurance to you of their value. The cameras as listed do not include lenses. Under each listing, however, we are quoting a recommended lens for the camera. If you desire to purchase a lens with the camera and our listed recommendation does not meet your requirements, turn to the lens section in this catalog where you will find an unusually complete listing of lenses.



5x7 Korona Commercial

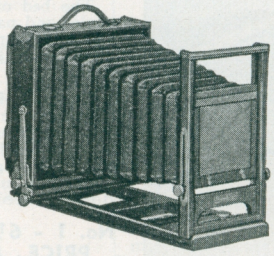
Korona 5x7 Commercial Camera with 24 inch bellows extension. Reversible back. Has all regular swing and tilt adjustments—also tilting front board.
Order by No. 6001R **$46.50**
Recommended lens—7½ inch F:6.8
Turner-Reich in shutter $72.50

5x12 Korona View Camera

For banquet and view work of all kinds. Has bellows extension of 24 inches. Less lens. Complete with case and one plate holder. Lens board measures 5x3¼ inches. A splendid value.
Order by No. 6002R **$34.50**
Recommended lens—10½ inch F:6.8
Imported Anastigmat in barrel $59.50

5x7 Pictorial View Camera

Korona Pictorial View camera with full 21 inch bellows extension. Lens board measures 5¼x5¼ inches. Has all standard adjustments. Furnished complete with one film holder.
Order by No. 6003R **$36.25**



5x7 Korona Portrait Camera

Korona Home Portrait Camera in the popular 5x7 inch size. Has bellows extension of 13½ inches. Lens board measures 6x6 in. Fully guaranteed.
Order by No. 6004R **$26.75**
Recommended lens—9 inch F:4.5
Spencer Portland in barrel.....$17.50

8x10 inch Portrait Camera

Smith No. 10 - 8x10 inch Portrait Camera. Has bellows extension of 30 inches. Lens board measures 10x10 inches. Has side and forward tilt adjustments at rear. Good condition.
Order by No. 6005R **$34.50**

6½x8½ Seneca View Camera

Seneca 6½x8½ inch View camera with bellows extension of 20 inches. Lens board measures 4¾ inches square. All regular adjustments. Camera has been used but in perfect condition. Complete with one plate holder. A real value.
Order by No. 6006R **$19.50**

6½x8½ inch Cycle Graphic

Cycle Graphic Camera with 25 inch triple extension bellows. Front board measures 4¼ inches square. Fitted with all essential adjustments. In perfect condition.
Order by No. 6007R **$22.50**

7x17 inch Banquet Camera

Korona Panoramic View and Banquet Camera. Has full 29 inch bellows extension. Lensboard measures 5¼x5¼ inches. Good condition.
Order by No. 6008R **$56.75**

5x7 inch Cycle Graphic

Cycle Graphic Camera with 21 inch triple extension bellows. Has all essential adjustments for both studio and field use. Built to withstand years of service. Has 3 inch square lens board. Complete with one plate holder. A fine value.
Order by No. 6009R **$29.50**

8x10 Seneca View Camera

Complete Seneca 8x10 View Camera—slightly used but in perfect operating condition. Has bellows extension of 30 inches. Lens board measures 6x6 inches. Fine for all view and commercial work.
Order by No. 6010R **$29.50**
Recommended lens—12 inch F:6.8
Turner-Reich in Universal shutter $124.50

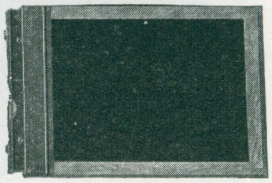
6½x8½ inch Korona View

Korona Criterion View Camera. Has bellows extension of 16 inches. Lens board measures 4½x4½ inches. Brand new, fully guaranteed. An excellent camera for portrait or view work.
Order by No. 6011R **$22.50**

14x17 inch Copying Camera

Folmer copying camera. Thoroughly reconstructed and guaranteed perfect. Has 26 inch bellows extension. Lens board measures 9x9 inches. Rising and falling front. All rear adjustments. A real value.
Order by No. 6012R **$39.50**

NEW AND USED CUT FILM and PLATE HOLDERS



This special offering of film and plate holders consists of many numbers on which we are over stocked. Unless otherwise marked, all numbers are brand new and fully guaranteed. Sold on money back basis.

CUT FILM HOLDERS

6½x8½	Agfa Film Holders Price only	$2.50
8x10	Used Film Holders In good condition	$2.25

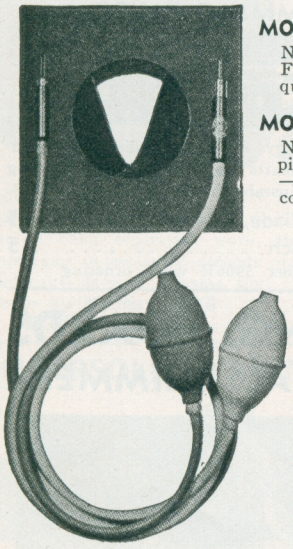
PLATE HOLDERS

3¼x4	Lantern Slide Plate Holders	$1.35
4x5	Korona Plate Holders.	98c
6½x8½	Plate Holders (Used)	$1.50
8x10	Used Plate Holders	$2.25
7x11	Plate Holders	$2.00
7x11	For Use With Cut Film	$2.50
11x14	Plate Holders (Used)	$4.50
6½x8½	Used Plate Holders for Cycle Graphic Cameras	$1.25

Send Old Holders For Matching.
Specify Number 6018R when ordering

PACKARD IDEAL SHUTTERS

MOUNT BEHIND THE LENS



MODEL No. 5

Three wing model providing an extra large opening in a small size shutter. Provides for time and bulb exposures only. Works smoothly and lightly.

MODEL No. 6

New model designed for both time and instantaneous exposures. Fited with special pin to control type of exposure. Of highest quality construction.

MODEL No. 8

New improved model—fast as the No. 6. Eliminates use of special pin for instantaneous exposures. Fitted with two valves and bulbs—one for time; one for instantaneous. These bulbs are of different color, red for time exposures; white for instantaneous exposures.

Diameter Opening	Outside Dimension	PACKARD IDEAL SHUTTERS No. 6	No. 8	No. 5
1½ in.	3¼ in. sq.	$ 8.50	.....	$ 7.00
1¾ in.	3½ in. sq.	8.50	.....	7.00
2 in.	4 in. sq.	9.00	$10.50	7.00
2¼ in.	4½ in. sq.	9.00	10.50	7.50
2½ in.	4¾ in. sq.	9.00	10.50	8.25
2¾ in.	5 in. sq.	9.50	11.00	8.25
3 in.	5¾ in. sq.	9.75	11.50	8.50
3¼ in.	6 in. sq.	9.75	11.50	8.50
3½ in.	6½ in. sq.	9.75	11.75	8.50
3¾ in.	7 in. sq.	10.50	12.25	8.50
4 in.	7½ in. sq.	10.75	13.00	9.25
4½ in.	8 in sq.	12.00	13.50	9.75
5 in.	8½ in. sq.	13.00	14.00	10.25

Specify No. 6013R when ordering, also state Model No. and size

RUBBER BULBS AND TUBING FOR SHUTTERS

No. 1 BULB

Bulb measures 2½x1⅜ inches. Of live rubber with 18 inches of tubing. For use on small plate cameras having pump shutters.
EACH..... **32c**
Order by No. 6014R

No. 2 BULB

Bulb measures 3¼x1½ in. Of live rubber with 36 inches of tubing. For use on small semi-professional cameras fitted with pump
PRICE EACH..... **47c**
Order by No. 6015R

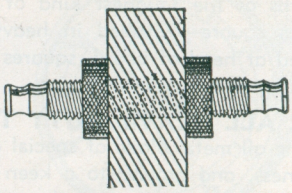
No. 3 BULB

Bulb measures 3½x1¾ inches. Of live rubber with 36 inches of tubing. For use with all standard types of bulb operated shutshutters.
EACH..... **57c**
Order by No. 6016R

TUBING

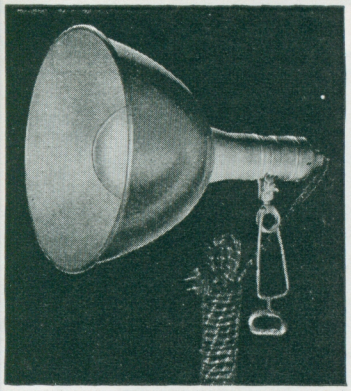
Live, highly resilient red rubber tubing. No. 1 tubing for No. 1 bulbs, No. 2 tubing for Nos. 2 and 3 bulbs. Any length.
PER FOOT... **8c**
Order by No. 6017R
Brass unit for coupling tubing to bulb.....10c

LENS BOARD HOSE COUPLER



For use with all types of bulb operated shutters that mount behind the lens. Requires the drilling of a ¼" hole through the lens board. Unit is held securel, giving a light tight installation. All metal construction — Cadmium plated. Provides a practical hose coupling unit through the lens board.
Order by No. 6019R 35c

BARGAIN SPECIALS IN LIGHTING EQUIPMENT



MOGUL SIMPLEX

Full 10½ inch reflector with mogul socket for use with the No. 4 Photoflood bulb. Provides ample light for studio work, indoor snap shots and movies. Highly efficient parabolic design. Universally adjustable with rubber covered clamp—15 foot cord and plug.

Price (less bulb) $6.95

Order by Number 6103R

No. 4 PHOTOFLOOD BULB for above, each... .... $1.20



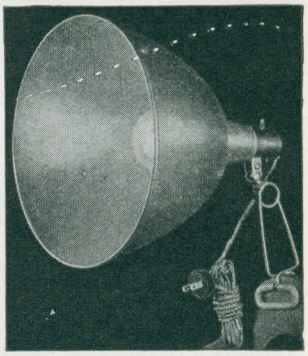
Rexo Hand Battery Flash Lamp

Designed for use with the new Photoflash bulbs—assuring maximum light efficiency from each bulb. Pilot light acts as a guide to operator indicating battery strength, etc. Convenient pistol grip for easy operation. These units are highly recommended for all types of flash work where only one bulb is to be fired. Of fine all metal construction, attractively finished. With 11 inch reflector, furnished complete with three batteries.

Order by No. 6106R **$5.95**

The New SIMPLEX REFLECTORS

Simplex Reflectors are of large oversize construction and are noted for the even softly diffused spread of light they produce. The soft matt finish reflecting surface provides maximum reflective power, yet provides ample diffusion for perfect modeling in portraiture, etc. Fitted with adjustable rubber covered spring clamp.



SIMPLEX No. 1

For use with standard No. 1 and 2 Photoflood bulbs. 10½" diameter, 8¼ inches deep. Ten foot cord, swivel spring clamp, etc. A real value.

Price each..... $2.50

Order by Number 6101R

SIMPLEX No. 2

Designed especially for the new No. 2 Superflood bulbs. 13 inches in diameter. With heavy duty switch and socket—10 feet of cord, etc.

Price each..... $4.50

Order by Number 6102R



SIMPLEX Jr. REFLECTOR

Reflector measures 5½ inches in diameter by 6 inches deep The extra depth eliminates light spread—makes it ideal for controlled lighting, highlight effects, etc. Has acid etched reflecting surface. Designed for use with No. 1 or No. 2 Photoflood Bulbs. Has special socket of the 250 volt, 660 watt type to assure long life in service. with swivel clamp, 10 foot cord and plug. Ideal for auxiliary lighting, back lighting, etc.

PRICE EACH, ONLY..... $1.85

Order by Number 6104R

TABLE STAND

For Use With Simplex Reflectors

Ball and socket swivel top with properly balanced cast metal base. For low lamp position, table top work, etc.

Order by No. 6105R **$1.50**



WHITE RAY REFLECTORS

Highly efficient lighting units designed for use with photoflood bulbs. The high reflecting power of the inner surface is scientifically corrugated to properly disperse and diffuse the light beam to provide an even spread of light—eliminating all dead spots. For general lighting in both still and movie work they are ideal. The heavy rubber covered spring clamp with universal mounting enables you to control your light—to place it just where you want it—for any desired effect.

Type A—for One Bulb

For use with one No. 1 Photoflood bulb. Provides maximum light efficiency. With universally adjustable clamp, 10 ft. cord and plug. With bulb.

Order by No. 6107R **$1.35**

Same as above only less bulb.....$1.10

Type B—for Two Bulbs

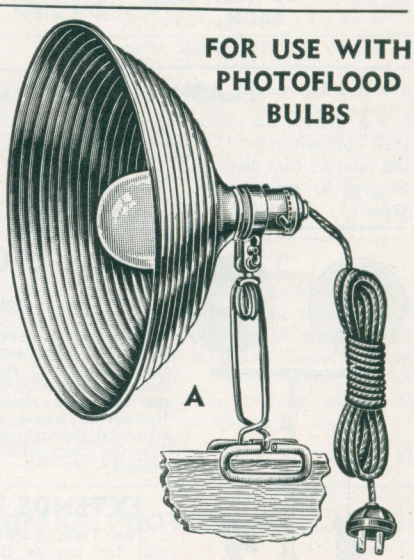
For use with two No. 1 Photoflood bulbs. Ideal for indoor snapshots, movies, etc. With universally adjustable clamp, 10 ft. cord and plug. Two bulbs.

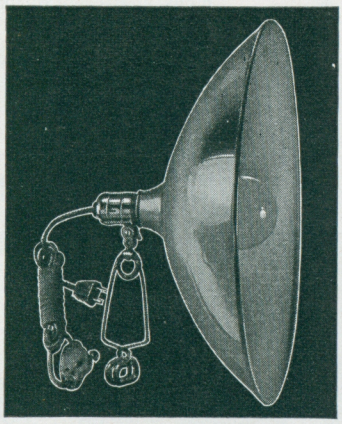
Order by No.6108R **$1.85**

Type C—for Three Bulbs

For use with three No. 1 Photoflood bulbs. Ideal for use as main source of light in indoor photography. With universally adjustable clamp, 10 foot cord and plug. With three bulbs.

Order by No. 6109R **$3.20**

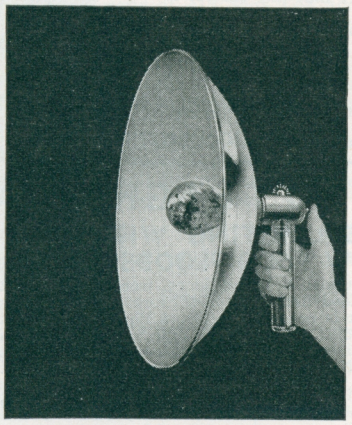




GIANT FLOOD LIGHT

Designed for use with modern photoflood bulbs. The large 16 inch reflector is scientifically shaped to provide the correct degree of curvature to throw a flood of intensified light on your subject. It makes an ideal main light source in both portraiture and still photography. The highly efficient reflecting surface is acid etched and scratch brushed to a perfect sheen. Highly polished outside. Rubber covered spring clamps with swivel joint, permit its being mounted anywhere. Complete with push-button switch socket and approved 10 ft. rubber covered cord and plug.

Order by No. 6110R ..... **PRICE EACH, COMPLETE... $5.95**



GIANT FLASH LIGHT

The Simplex Giant No. 3 Photoflash Reflector is completely self-contained. The large 16 inch reflector is shaped and finished to reflect the maximum amount of light on your subject. Flash bulb is always properjy centered in the reflector. Battery handle is of polished all metal construction—holding three standard batteries to assure long battery life. A pilot light tells you when all is in readiness to flash the bulb. The pilot light goes on only when a perfect bulb is in the socket. Eliminates duds and disappointments. If pilot light is on, you know the bulb will flash.

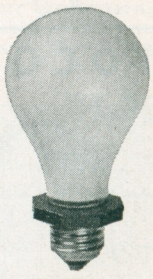
Order by Number 6112R **$6.95**

COMPLETE WITH BATTERIES, ABOVE, LESS REFLECTOR.....$3.50

"WHITE RAY" 3 Power Enlarger Bulb

50-100-150 WATTS

FITS ANY STANDARD SOCKET



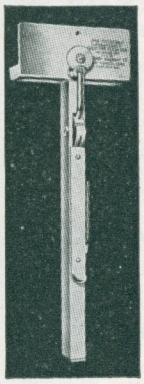
The White Ray "3 Power" enlarger bulb matches the intensity of the light to the density of the negative. This will make the time of exposure more uniform. No special sockets are necessary to operate the bulb, since the wattage is controlled by a built-in switch. To change the light intensity simply twist the plastic collar on the neck of the bulb. Made of diffused glass in the popular E-21 size. Ideal for condenser style and diffused type enlargers.

Order by Number 6111R

Price Each 50c

ADDITIONAL BARGAINS in LIGHTING and MISCELLANEOUS ITEMS

FLASH GUNS



CLERGY No. 27

All metal construction with hammer-trigger mechanism, eliminating accidental discharge. Measures 14½ in. over all. Flash pan measures 4½x1½x½ inches. Perfect mechanical construction.

PRICE EACH..... **$6.95**

CLERGY No. 30

Fitted with hand cocking mechanism of new simplified design. Light in weight, yet rigid. Length 13½ inches. Flash pan measures 4½x1½x½ inches.

PRICE EACH..... **$6.45**

Primers, per 100.....$1.50
Order by No. 6201R

Rexo Hand Flash Lamp



4 and 18 inch Flash Pan

A practical, yet inexpensive flash gun with 4 and 18 inch pan. Firing is accomplished by friction wheel and sparking metal. Simple, yet positive in action and thoroughly dependable.

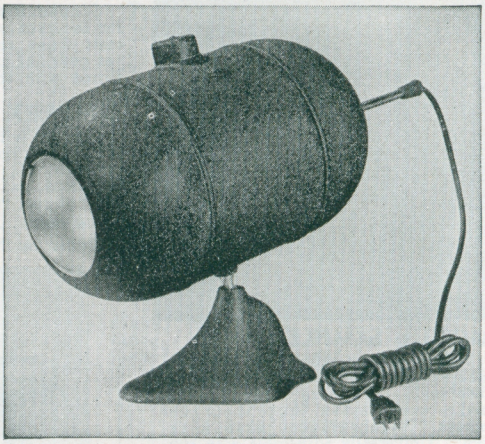
4 INCH SIZE, EACH..... 79c
18 INCH SIZE, EACH..... $1.49

Specify Number 6202R when ordering

NEW WATSON CONTROLLED SPOT LIGHT

- **FLEXIBLE**
- **POWERFUL**

A combination lighting unit of extreme flexibility and adaptability—providing a powerful "controlled beam" spotlight or a wide evenly diffused flood light. Recommended to the home portrait or studio operator whose work calls for special lighting effects—yet whose equipment must be kept at a minimum. For those special theatrical and dramatic effects the controlled beam spot is ideal. For child or general work you can secure from the same unit a powerful flood of evenly diffused light.



"AS GOOD AS OUR $25.00 OUTFIT

That is what a leading Chicago photographer said after installing and using a Watson Spot and Flood Light.

PROVIDES PERFECT LIGHT CONTROL

Flexibility in lighting equipment is of paramount importance to the photographer. Perfect control of light makes possible those fine "shadow effect" shots—it enables you to place the light where you want it to secure any desired effect. Outfit is of all metal construction with 4 inch diameter heavy optical lens. Complete with table stand, cord and plug as illustrated. Stand is drilled for tripod mounting. Shipping weight 15 pounds.

FULLY ADJUSTABLE

Lamp is fully adjustable for position. May be turned horizontally or adjusted vertically. The heavy cast base is ideal for table or floor work. Mounts directly on tripod for normal work when base is removed. Draw rod permits instant adjustment for spot or broad effect.

WITH BASE (less bulb), PRICE EACH..... $7.95

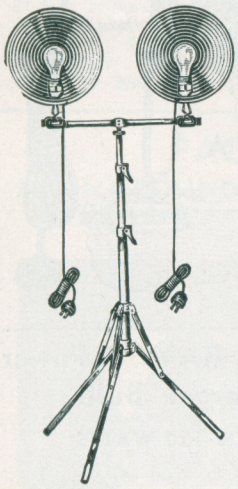
BULBS FOR ABOVE
Type 21, 70 watt, each.....20c
Type 23, 115 watt, each.....30c

Specify Number 6203R when ordering

FLASH LIGHT PRIMERS

For Clergy, Sure-Shot and similar lamps. Consists of a small metal shell approximately 13/64 inch in diameter—filled with a special priming mixture that discharges a very intense heat and flame when ignited. Shipped by express only. Specify lamp when ordering. Order by No. 6204R. PRICE PER 100 ..... **$1.50**

TWIN LIGHT STAND



The Twin Light Stand is compact and portable, only 23 inches long when folded—extending to a full 70 inches in height. The 23 inch swiveling cross arm has specially shaped ends to hold clamp-on reflectors. Friction locks hold the telescoping sections of the stand at any desired height. Reinforced tripod base. Extra heavy construction throughout. Highly nickel plated. May be used with only one reflector when desired.

EXTENDS TO 70 INCHES

The Twin Light Stand makes an ideal unit for use as the main light source in portraiture or commercial work—or movies. It enables you to exert that fine control in lighting that assures negatives of perfect modeling and "light and shadow" gradation.

Price Each (less reflectors)..... $2.75

Specify Number 6205R when ordering

Reflectors as illustrated, each..$1.50



Made in U. S. A.

- **With Fully Controlled Light Beam**
- **Ventilated for Cool Operation**

WATSON DeLUXE Photoflood Spot

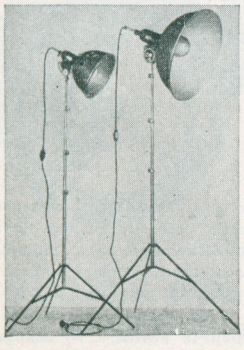
Provides you with every essential feature found in the highest priced spotlights. Position of the bulb in the lamp house is instantly adjustable to provide a highly concentrated beam of small diameter or a wide flood effect. Ample ventilation is provided to assure cool operation. Lamp is mounted to stand with a special knuckle joint permitting it to be swiveled or tilted to any desired position. A five inch condensing lens intensifies the light and distributes it evenly.

Furnished complete with a telescoping, folding tripod stand as illustrated. Extends to a full height of 93 inches—folds compactly for portability. Complete with 10 foot cord and switch. A type A-21 photoflood bulb is furnished as standard equipment. Weight complete, 17 pounds.

Complete with Stand and Bulb, Price Each..... $15.00

Order by No. 6206R

FOCO-FLOOD SPOTLIGHT AND STUDIO LITE



ADEQUATE LIGHTING WITH THE NEW FOCO-FLOODS

Designed for utmost light efficiency from both No. 1 and No. 4 Photoflood bulbs. In color work or on subjects where intense light is needed, the No. 4 Photoflood should be used. Unit includes adjustable reflector mounted on chrome finish folding tripod stand. A focusing rod allows bulb adjustment. No. 1 reflector 10" diam; 4, 19" diam. With 10 ft. cord, switch and plug.

No. 1 Foco-Flood Price Each .... $12.50 | **No. 4 Foco-Flood Price Each $22.50**

Specify Number 6207R when ordering

FLEX-A-LITE STUDIO LITE

Flexible lighting unit consisting of two Foco-Flood reflectors on an adjustable 36-inch arm mounted on a folding tripod stand. Adjustments in all directions.

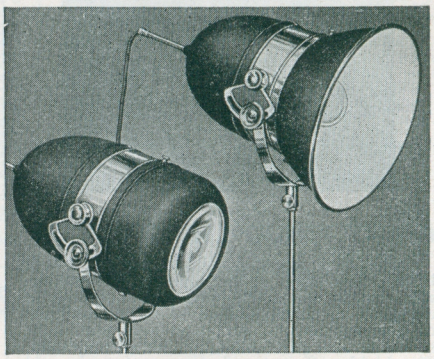
PRICE PER OUTFIT..... $22.50
Specify Number 6208R when ordering

PHOTOFLOOD "HIGH LIGHT" SPOTLIGHT

Combination floodspot and reflector in one compact unit. Conversion from one to the other is the work of but an instant. Spotlight has 6" condensing lens. See cut at right.

Spotlight Only..... $18.50 **COMPLETE OUTFIT.. $21.00**

Specify Number 6209R when ordering

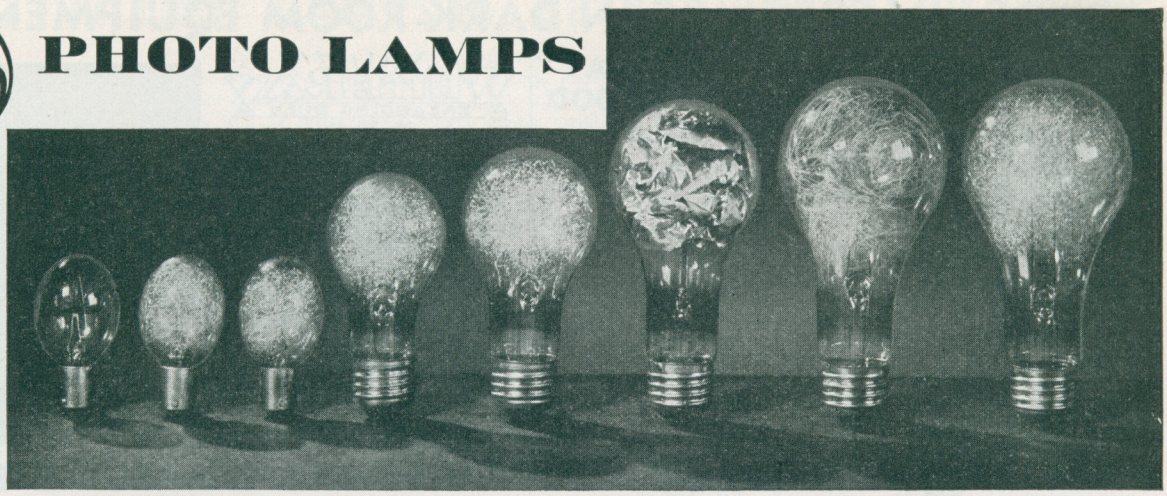


PHOTOFLOOD SPOTLIGHT

Complete spotlight with adjustable stand. For photoflood bulbs. Has controlled light beam. Adjustable to all positions. Heavy 5 inch condensing lens concentrates the powerful light. Ideal for dramatic lighting effects. Auxiliary reflector available for flood lighting.

PHOTO LAMPS

MAZDA



SM No. 5 No. 6 No. 11 No. 16A No. 21-21B No. 31 No. 50

Modern Mazda Photoflash Lamps Meet Every Flash Need

The improved 1941 line of G.E. MAZDA photoflash lamps enable better pictures to be made anywhere, anytime, with any camera. All synchro-press lamps (5-61X-11-16A-21-21B-31) are designed to reach their peak light at .020 seconds. They may be used in any synchronizer. No resetting is required to change from one lamp to another. Excellent pictures, uniform results, maximum light for the money through a wide range of lamp sizes and shutter speeds is assured. For the safety of photographer and subject, all G.E. MAZDA photoflash lamps have a strong inside and outside protective coating.

G.E. MAZDA MIDGET LAMPS

A midget for every photographic purpose. All combine small bulb size, secure, quick-change bayonet base, precise, uniform flash, and amazing photo-effectiveness in proper reflectors. Designed for battery flashing only.

SM THE SPEED MIDGET

Swift, low-intensity flash. Quick as a 1/200 second shutter speed for close ups, and action stopping. Requires special synchronization. Light output 4500 to 5000 lumen seconds. 700,000 peak lumens.

Order Number 6301R
PRICE EACH 13c

No. 5 THE MIGHTY MIDGET

Ideal for synchronzed use with between-the-lens shutters for all-around photography. Plenty of light for slow films, exceptional carry with press films. Light output 17,000 to 19,000 lumen seconds.

Order Number 6302R
PRICE EACH 13c

No. 6 FOCAL PLANE MIDGET

For high shutter speed synchronization with all focal plane shutters except those requiring the ultra-long peak of the No. 31. Light output 16,000 to 18,000 lumen seconds.

Order Number 6303R
PRICE EACH 15c

G.E. MAZDA Standard Lamps

These photoflash lamps are designed for use in large reflectors and in medium screw sockets. A type for every purpose.

No. 11 BULB

Two million peak lumens. Quick flash. Excellent for "open" flash and in low-cost cameras with built-in synchronization and press synchronizers. Light output of 28,000 to 32,000 lumen seconds. Small bulb size. Popular price.

Order Number 6304R
PRICE EACH 13c

No. 16A BULB

For all-around flash use. Extra-long peak flash duration. Unexcelled uniformity and timing for synchronized flash. Useful with focal plane synchronization on some miniature cameras. Light output 40,000 to 45,000 lumen seconds.

Order Number 6305R
PRICE EACH 15c

No. 21 BULB

High peak illumination. Quick flash. Extra covering power for press, commercial and amateur use. Extra total light. Excellent for "open" flash and high shutter speed synchronization. Light output 50,000 to 60,000 lumen seconds.

Order Number 6306R
PRICE EACH 15c

No. 21B BULB

For color photography. Same construction as No. 21. Blue filter coating for correct rendition with outdoor type color films without filter. Effective light output approximately one-third of No. 21. Blends with daylight.

Order Number 6307R
PRICE EACH 20c

No. 31 BULB

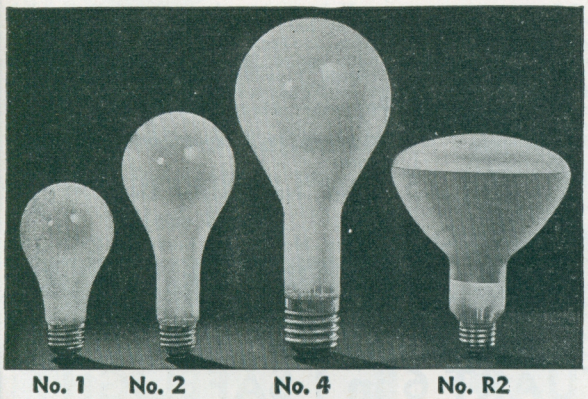
For high shutter speed synchronization with focal plane shutters for 4x5 inch negative size and less. The ultra long peak of illumination provides ample light on the subject during the full time the shutter is open.

Order Number 6308R
PRICE EACH 23c

No. 50 BULB

Great light intensity in compact bulb size. For large area coverage, long shots, color photography. Six million lumen seconds peak synchronizes at 1/50 second or longer without resetting synchronizer. Operates on 3 to 125 volts, direct or alternating current. Light output of 110,000 to 125,000 lumen seconds.

Order Number 6309R
PRICE EACH 22c



No. 1 No. 2 No. 4 No. R2

G. E. MAZDA STANDARD PHOTOFLOOD LAMPS

PHOTOFLOOD NO. 1. Same size as a standard 60-watt lamp. Draws 250 watts at 115 volts (2.2 amp.). Photographically equal to as much as 750 watts in standard lighting lamps. Rated life: 3 hours at 115 volts.

PHOTOFLOOD NO. 2. Same size as a standard 150-watt lamps. Draws 500 watts at 115 volts (4.4 amps). Photographical equal to as much as 1500 watts in standard lighting lamps. Rated life: 6 hours at 115 volts.

PHOTOFLOOD NO. 4. Same size as the regular 300-watt general service lamps with mogul screw base. Draws 1000 watts (8.7 amps) at 115 volts. Easily 2½ times as affective, photographically, as the regular 1000-watt lamp. Rated life: 10 hours at 115 volts.

No. 1 Price each. 15c | No. 2 Price each. 30c | No. 4 Price each. $1.20

Specify Number 6310R when ordering, also state Bulb Number.

MAZDA R2 REFLECTOR PHOTOFLOOD

Same as the Photoflood No. 2 in current consumption, light output and life. Specially shaped bulb, with inside coating of mirror aluminum redirects the light so that most effective illumination is obtained within a 60 degree zone. 5 inches in diameter, 6¼ inches overall.

Order by Number 6311R
Price each 85c

MAZDA 'DAYLIGHT BLUE' PHOTOFLOODS

Same characteristics as standard photoflood lamps except for inside frosted daylight bulb. Useful for color photography, especially where daylight and artificial light must be mixed. Order Number 6312R.

No. B1 EACH.... 30c | No. B2 EACH.... 60c | No. B4 EACH... $1.75

G. E. MAZDA WHITE ENLARGING LAMPS

Designed for use in enlargers. Medium screw base Elimination of end markings enables them to radiate a uniform, shadowless white light. Their use reduces exposure times to a minimum.

No. 210, 50 watt EACH 25c	No. 300, 100 watt EACH 90c
No. 211 75 watt EACH 25c	No. 301, 300 watt EACH 75c
No. 212, 150 watt EACH 25c	No. 302, 500 watt EACH 75c
No. 213*, 250 watt EACH 25c	No. 303*, 500 watt EACH 75c

Order Number 6313R

*Limited Life—Photoflood Type.

THREE-LITE White Bulb Photo Enlarger

High efficiency, white bulb lamp giving three levels of illumination—50-100-150 watts. Low wattage and light for set-up and focusing—more light for exposure. Requires special socket and selective switch.

Order Number 6314R
PRICE EACH 50c

G.E. LAMP DATA

Write for free data sheet P-187-R for technical data, information on exposure, etc., on the complete line of G.E. Mazda lamps.

• BARGAIN SPECIALS IN DARK ROOM EQUIPMENT •



WHITE RAY PHOTOFLOOD BULBS

—

Make Night Pictures Easy

—

A new type of photoflood bulb, made of a special pearl white glass. They produce an intense, yet highly diffused light. This diffusion tends to soften shadows—producing that fine roundness and modeling of the features that makes for fine portraits.

Provides ideal photographic light — rich in that portion of the spectrum to which the modern emulsions are most sensitive.

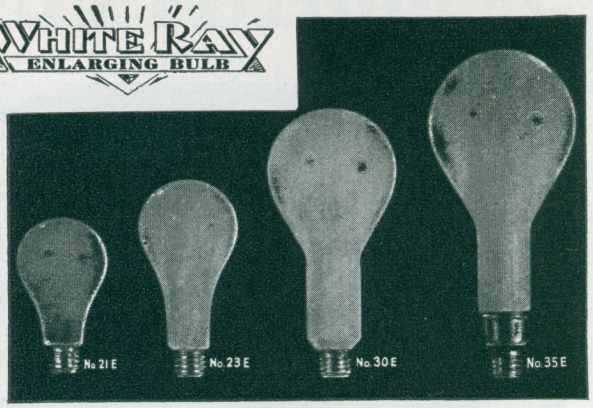
APPROXIMATE—BASED ON 120 VOLTS

	No. 21	No. 25
Watts	260	525
Lumens	11,500	22,500
Candle Power	915	1,800
Hours Life	2.0	2.5

No. 21 SIZE — Price Each **20c**

No. 25 SIZE — Price Each **40c**

Specify Number 6401R when ordering, also state size Number



WHITE RAY ENLARGING BULBS

Made of pearl white glass without end markings. This special glass provides perfect diffusion of the light rays—assuring an even spread of light on the easel even at the smallest lens stops. Five popular sizes are available—to take care of every type of enlarger.

White Ray bulbs are rich in blue light—that portion of the spectrum to which bromide, chloro-bromide and chloride papers are most sensitive.

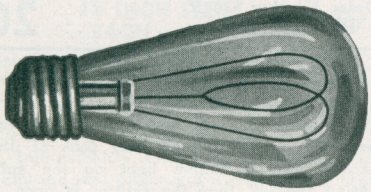
No. 21-E 60w-90cp — Price Each ... **25c**

No. 25-E 275w-300cp — Price Each **60c**

No. 35-E 500w-960cp — Price Each ... **$1.00**

Specify Number 6402R when ordering, also state size Number

RUBY and AMBER CARBON BULBS



FOR THE DARK ROOM

Low powered carbon bulbs in Ruby or Amber colors should be in every studio. These bulbs are spectroscopically tested, making them safe for use with either film or paper according to the manufacturers specifications. Furnished in either color in 4, 8 or 16 candle power. These bulbs are well made and under normal conditions will provide untold hours of service.

SPECTROSCOPICALLY TESTED

These bulbs are of modern design and being spectroscopically tested they are safe for use in all forms of dark room work. For use on 110-120 volt alternating or direct current. Specify color and size when ordering.

	4cp. 20w	8cp. 30w	16cp 60w
RUBY	.47	.47	.47
Amber	.47	.47	.47

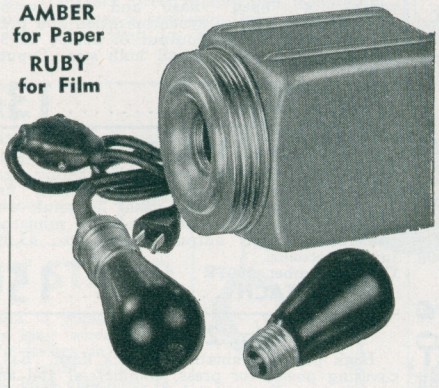
PANCROMATIC GREEN BULBS

Designed especially for use with the new panchromatic films. Available in two candle power. Provide a real aid to the dark room operator when handling panchromatic materials. Every dark room processing panchromatic materials should have them.

Two Candle Power, PRICE EACH..... 65c

Specify Number 6403R when ordering

REXO UNIVERSAL DARK ROOM LAMPS



Most practical type of dark room safelight yet devised. Spectroscopically tested to assure full protection to both film and paper. May be set on its base, hung from the ceiling or placed on its side close to the processing trays.

WITH TWO BULBS

The complete assembly consists of an outer opal glass housing, the brass socket mounting unit, and one bulb. The amber is safe for all contact and chloro-bromide papers, the ruby for fast bromide and orthochromatic films. Panchromatics being sensitive to all colors should be processed in total darkness.

Outer glass globe with metal top $1.25

Electric cord, socket and switch ..... .98

Ruby or Amber bulb, Specify color, ... .47

Specify Number 6404R when ordering

DARK ROOM LAMPS

Ruby Amber Green



Safe for Films and Paper

•

Filtered Light

•

New Flat Bottom Model

Unit consists of a metal shell threaded to fit any standard ligh socket—and a ruby,, amber or green bulb—with glass outer globe. The light socket is not included. Provides double filtered safelight for all films and papers. May be hung from the ceiling or set on table or shelf.

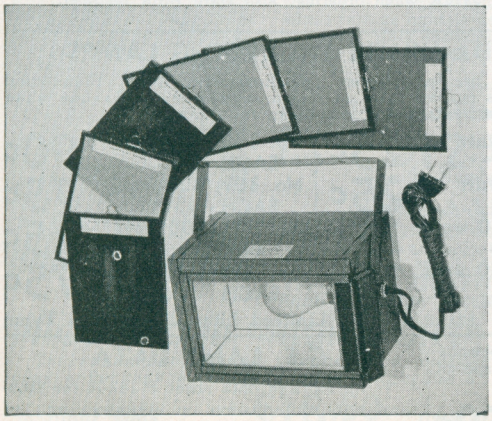
Amber, No. 4, round bottom. 79c

Green, No. 5, round bottom. 79c

Ruby, No. 3, flat bottom, as shown above..... $1.35

10 feet cord and socket extension, Price, each.....65c

Specify Number 6405R when ordering



The STUART 6 in 1 SAFELIGHT

SAFE DARK ROOM ILLUMINATION FOR ALL FILMS AND PHOTOGRAPHIC PAPERS

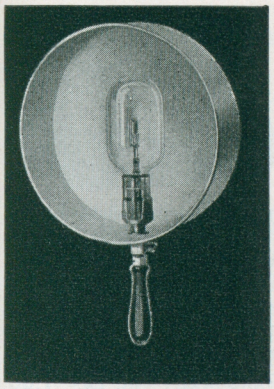
A practical safelite for the dark room having removable filters adapting it for use with both orthochromatic and panchromatic films as well as for contact or enlarging papers. Lamp housing is of heavy welded sheet metal construction. The swinging suspension arm is exactly centered so that safelight can be hung from ceiling for an over-head light. There is also a lock nut on one side of this arm so that lamp housing can be locked in any desired position.

COMPLETE WITH SIX SLIDES AND BULB

The Stuart Safelight is furnished complete with six slides as follows: No. 00, Yellow-orange color for use with all contact papers No. 0A, Greenish-orange for use with all enlarging papers. No. 1 Orange-red for use with the slow and medium speed color blind and orthochromatic film. No. 2 Deep Red color for use with the rapid ortho and chrome type films such as Verichrome, Plenachrome, etc. No. 3 Deep Green color for use with panchromatic films and plates. No. 4 is a special slide for viewing negatives and transparencies—and may also be used in the lamp as a retouching stand. Equipment includes a 15 watt mazda bulb, a five foot cord and plug. At this low price you should no longer deprive yourself of efficient and safe dark room illumination.

PRICE EACH, Complete, Order by No. 6406R **$3.95**

REXO "NITRO" LAMPS for BETTER PHOTO LIGHTING



Nitro Junior and Senior Lamps may be used as hand lamps or they may be mounted on a stand for spot or general flood lighting in the studio. Commercial and home portrait men will be quick to appreciate the compactness of these lamps as well as their powerful light giving qualities. For motion picture work, the Nitro Jr. makes an excellent light for softening the shadows — while the Nitro Senior furnishes ample light for use as the main light source.

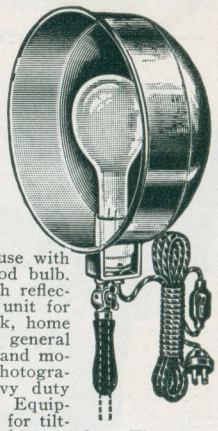
NITRO JUNIOR LAMP

The Nitro Jr. Lamp measures 10 inches in diameter. Its special satin finish reflecting surface throws a powerful forward beam of light. The ebony finished wood handle is center drilled, permitting the lamp to be mounted on any stand. A swivel adjustment is provided between handle and reflector permitting the lamp to be tilted to any desired angle. Designed for use with the standard 500 Watt, T-20, 110-120 volt Mazda Bulb. Standard photoflood bulbs may also be used. The compact design and sturdy construction of this lamp make it ideal for studio use and all types of home portrait work.

NEW LOW PRICE, LAMP ONLY LESS BULB, PRICE EACH **$4.15**

Standard 500 Watt, T-20, 110-120 volt bulb for us in the Nitro Jr. Lamp.
Order by Number 6501R
Price Each **$2.20**

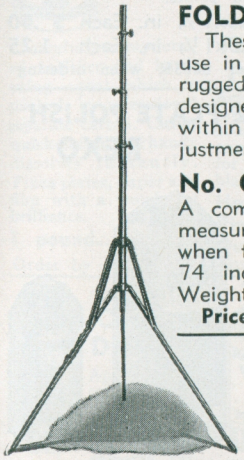
Folding nickel plated stand. Only 22" long when folded — extends to 6 feet in height.
Order by Number 6502R
Price Each **$2.75**



NITRO SENIOR LAMP

Designed for use with No. 4 Photoflood bulb. Has full 12 inch reflector. An ideal unit for commercial work, home portraiture, general studio lighting and motion picture photography. Has heavy duty mogul socket. Equipped with swivel for tilting to any desired angle. The complete lamp, cord and switch weigh less than two pounds. Has special satin finish reflecting surface, with highly polished outside.

PRICE EACH Less Bulb $5.15
Order by Number 6503R



FOLDING 'LIGHT' STANDS

These metal, folding type, studio stands are ideal for use in supporting lamps and similar equipment. They are ruggedly constructed of metal with tripod bases and are designed to fold compactly. The extension rods telescope within the main tubular body stem, permitting instant adjustment in height.

No. OO STAND

A compact folding stand, measuring only 22 in. long when folded — extends to 74 inches.
Weight 26 oz.
Price Each **$2.00**

No. 0 STAND

Folding nickel plated stand with two telescoping extensions. Folds to 22" — extends to 6 ft. Weight 26 oz.
PRICE EACH **$2.75**

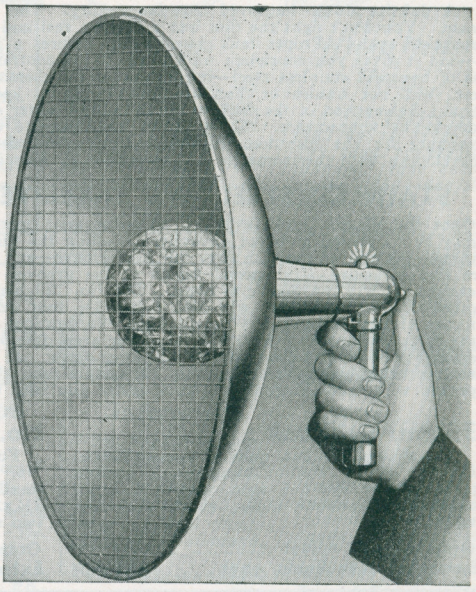
No. 1 STAND

Extra heavy nickel plated stand, ideal for supporting heavier equipment. Folds to 22 in. — extends to 86 in. Wt. only 32 oz.
Price Each **$4.00**

No. 2 STAND

Extra heavy nickel plated stand of solid sturdy design. Folds to 24 in. — extends to 82 in. Will support heavy backgrounds, etc.
Wt. 44 oz.
Price **$6.00**

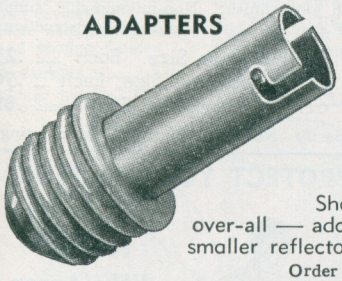
Order by Number 6504R when ordering



GIANT PHOTOFLASH LAMP

Designed for use with the No. 75 flash bulb. Ideal for large hall and banquet shots. Eliminates the necessity of a multiple flash. Safety screen provides protection from defective bulbs. Complete with 16 inch reflector — 3 battery handle — batteries — and safety screen.
Order by Number 6506R
PRICE EACH Less Bulb **$12.00**

ADAPTERS



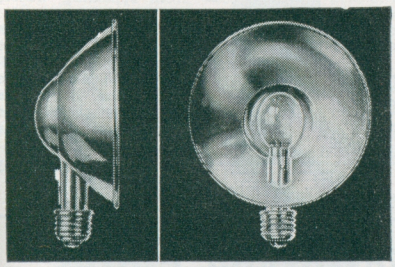
FOR BAYONET BASE BULBS

Long neck adapter — measures 2½ inches over-all — centers the midget, bayonet base bulbs in the standard reflectors.
PRICE EACH **50c**

Short neck adapter — measures 1½ inches over-all — adapts the midget, bayonet base bulbs to the smaller reflectors. **PRICE EACH** **40c**

Order by Number 6505R when ordering

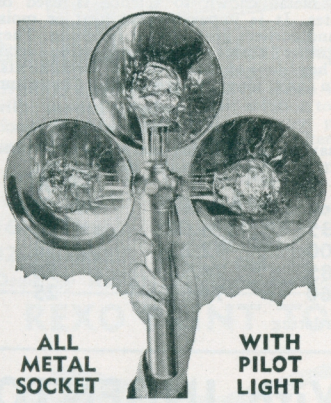
Simplex No. 5 Reflectors
For the New Midget Photoflash Bulbs



Automatic Ejector Type

Designed for use with the new No. 5 Midget Flashlight bulbs. Scientifically shaped reflector, approved by General Electric, provides 40,000 Lumens light output, compared to 19,000 Lumens without reflector. Automatic ejector pops the bulb from the socket after the flash by the flip of a lever. May be used with all standard flash equipment such as Kalart, Mendelsohn, Victor, etc. Indispensable for use with the new Midget flash bulbs.

Order by No. 6801N, PRICE EACH **$1.50**
Order by Number 6507R when ordering



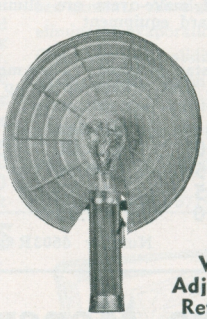
ALL METAL SOCKET — WITH PILOT LIGHT

Triplex Flash Unit

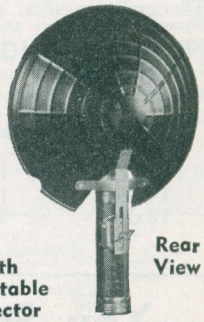
New streamlined DeLuxe Model. Of highly finished metal throughout. Fires one, two or three bulbs simultaneously. Battery case of metal holds three batteries —assuring longer service per load. Built-in pilot light indicates when all is in readiness to fire the bulb. All metal socket. Reflectors nest one over the other for easy portability. A real value.

PRICE EACH, ONLY **$7.50**
Order by Number 6508R when ordering

LUXOR No. 3 Hand Type Photoflash Lamp



With Adjustable Reflector



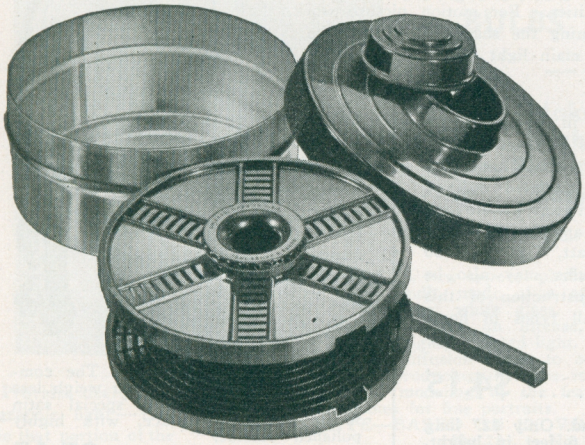
Rear View

A highly efficient, full self contained photoflash gun, fitted with a full 10½ inch reflector of the aplanatic type for perfect light distribution. The position of the reflector in relation to the socket is adjustable, permits it to be raised or lowered to fit the size of bulb being used. The faceted design of the reflector surface makes for high reflecting efficiency. The handle which is also the battery case holds two standard flash light batteries. It is of rigid design fitted with a positive acting switch. Makes an ideal unit to take along to the job. Provides ample light for small interiors, close-ups of all kinds, portraits, etc. Adjustable to fit all standard photoflash bulbs.

Price Each (less batteries and bulb). Order by No. 6509R **$1.39**
Batteries, 2 required, price each **10c**

WATSON Roll Film Developing Tank

—FOR 35mm. OR SIZE No. 120 ROLL FILM—



Stainless Steel Tank

Bakelite Reel

Large Reel Capacity for Easy Loading

Two Popular Sizes for 35mm. and No. 120 Film

SPIRALLY GROOVED (SMOOTH) BAKELITE REEL OF GENEROUS SIZE FOR QUICK, EASY LOADING

A definite aid to improved negative quality. The large oversize reel permits loading with ease. You don't fight the film into a Watson reel and its oversize construction provides groove space to spare. Proper tank development assures a higher percentage of printable negatives —and it gives you consistent uniformity in the contrast of your negatives. The Watson tank is of beautiful stainless steel—impervious to the chemical action of developers, fixing solutions, etc. Will not tranish or discolor—and is easy to keep clean. It simplifies temperature control. Submersion of the tank in warm or cold water quickly brings the solution to the proper developing temperature. The tank lid is of bakelite with a center bakelite capped light tight aperture for the insertion and removal of solutions—for insertion of the reel agitator and developing tank thermometers not exceeding ¼ inch in diameter.

STAINLESS STEEL AND BAKELITE—EASY TO KEEP CLEAN

Once the Watson tank is loaded all subsequent operations of developing, rinsing and fixing may be conducted in broad daylight. Loading the film on the reel is extremely simple. Just thread the end of the film into the first groove—and continue feeding until the entire length of film is loaded. The special design of the grooves permits the film to slide in smoothly—easily. It will not buckle or snag. The No. 120 tank reel will hold two films—one after the other. The 35mm. tank will hold a full 5½ foot length of 35mm. film—and the last twelve inches of film loads as easy as the first. Perforations in the reel permits the solution to reach the entire film surface instantly—assuring even development. You will find the Watson tank easy to load—easy to use and easy to keep clean. It will enable you to secure those brilliant, snappy negatives so much desired. A sample tube of Rexo M-Q Prepared Developer is now packed with each Watson tank, to acquaint you with the merit of this famous developer.

35mm. SizeTank

For all 35mm. films, such as used in Leica, Contax, Welti, Weltini, Argus etc., accommodating the full 5½ foot length. Outfit consists of complete tank, bakelite reel and agitator tool.

Order by No. 6601R **$2.25**

Extra Bakelite Reels, each.....$1.25

No. 120 Size Tank

For all roll films of 2¼ inch width such as No. 120, B2, G20, etc., as is regularly used in all cameras having picture sizes of 2¼x3¼, 2¼x2¼ or 1⅝x2¼ inches. Will develop two rolls of film at one time.

Order by No. 6602R **$2.25**

Extra Bakelite Reels, each.....$1.25

SPARKLING GLOSSY PRINTS WITH REXO Chromium Squeegee Plates

Give Your Prints A Very High Gloss

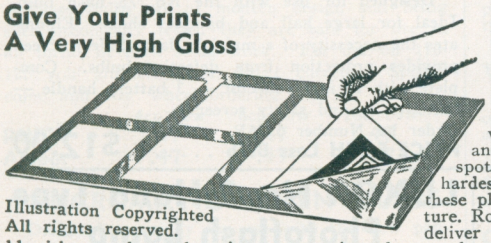


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These are the finest quality plates with a coating of extra hard chromium, and are not subject to corrosion and rust spots, as are cheap plates. Chromium—the hardest metal known to science is used on these plates. It is impervious to heat or moisture. Round corners give ease in handling. They deliver prints that are entirely free from blemishes, and on chromium your prints dry evenly. They do not come off in installments. They will not stick, and make-overs are eliminated in any plant where Rexo Chromium Squeegee Plates are standard equipment

NO POLISHING

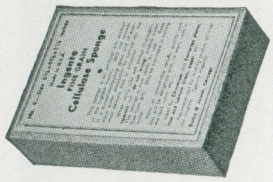
Once polished, they stay polished. That means a saving in polishing materials and labor and most important of all time. They speed up production in any finishing department.

	Each	½ doz.	Per doz.	Per case	Sheets Per case
10x14,	$ .90	$ 5.00	$ 9.35	$74.60	100
12x17	1.75	10.00	18.00	72.25	50
14x20	1.95	10.75	18.85	74.50	50
18x24	3.30	19.25	37.60	74.50	25

Number 6603R when ordering

Ingento—Fine Pore CELLULOSE SPONGES

Made in U. S. A.



Made of special artificial silk having exceptional water absorbing power, with extremely fine texture. They are used for wiping off film after washing for removal of excess water and foreign deposits. Extremely soft and will not harm the most delicate film or plate.

No. F4	3⅛x4⅝x1¼	in. Ea.	$ .35
No. F6	3½x5¼x1⅝	in. Ea.	.60
No. F8	3⅞x6¼x2	in. Ea.	1.00
No. F10	4⅝x6½x2½	in. Ea.	1.50

Specify Number 6604R when ordering

Imported VISCOSE SPONGES

Viscose Sponges are soft, fine textured and absolutely lintless. They are recommended for removing excess water from films, plates and prints.

No. 1A	2½x3x1¼	in. Each	$ .50
No. 2A	4¾x3x1¼	in. Each	1.25

Specify Number 6605R when ordering

SQUEEGEE PLATE POLISH REXO



An ideal polishing solution. It is rubbed on the squeegee plates to prevent prints from sticking and gives them a magnificent high gloss finish. Non-inflammable, simple and easy to apply. With full instructions.

3 oz.	Amateur Size. Each	.25
8 oz.	Professional Size. Each	.50
16 oz.	Economy Size. Each	.85

Specify Number 6606R when ordering

PROTECT YOUR CLOTHES With the REXO Jiffy Apron



Every dark room worker will appreciate the necssity of a rubber apron. Eliminates developer stains on clothes—and provides real protection from splashing water, etc.

The Jiffy Apron is constructed of finest gum rubber. A flexible metal band at the waist line holds the apron snugly to the body and eliminates tie strings.

PRICE $1.75

Specify Number 6607R when ordering

You Save Money With INGENTO Ferrotype Plates

Ingento Round Cornered Squeegee Plates are especially selected; made from cold rolled steel sheets and coated with a thick, hard, non-porous enamel, that insures a smoothness and lustre to the finished print. For best results, we recommend the new Rexo Polishing Solution be used with Ingento Squeegee Plates.

	Net Each	Net Per ½ doz.	Net Per doz.	Net Per case	Sheets Per case
10x14, Very Light	$ .30	$ 1.00	$ 1.75	$19.00	200
10x14, Medium	.35	1.40	2.25	25.00	200
10x14, Heavy	.35	1.50	2.40	15.00	100
12x17, Heavy	.75	3.25	5.00	32.00	100
14x20, Heavy	.75	3.50	5.95	39.00	100
18x24, Heavy	1.35	5.25	9.50	37.50	60
24x36, Heavy	5.25	23.00	42.00	42.00	12

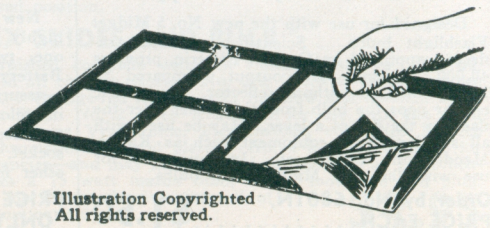
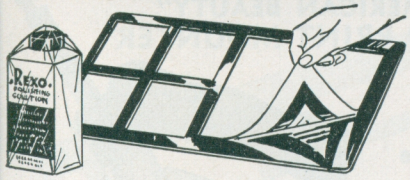


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Specify Number 6608R when ordering

• EVERY-DAY PHOTO NEEDS AT BARGAIN PRICES •

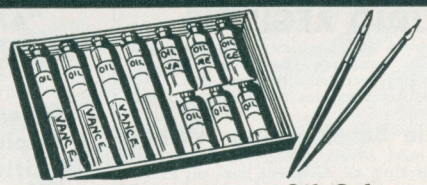


Rexo Polish for Squeegee Plates

An ideal polishing solution. It is rubbed on the squeegee plates to prevent prints from sticking and gives them a magnificent high gloss finish. Non-inflammable, simple and easy to apply. With full instructions.

3 oz., Amateur Size.....25c
8 oz., Professional Size.....50c
16 oz., Economy Size.....85c

Specify Number 6701R when ordering



Vance Transparent Oil Colors

Imported—guaranteed permanent. Finest quality. Colors and sizes as indicated. Small tubes: Viridian Green, Crimson Lake, Rose Madder. Large tubes: Raw Sienna, Ivory Black, Flake White and Burnt Sienna.

Price per Set of 7 Tubes.....65c
Large Tube, each.....25c
Small Tube, each.....15c

BRUSHES FOR THE ABOVE

No. 0.....30c | **No. 2**.....35c

Specify Number 6702R when ordering



Rexo Hi-Gloss Polishing Paste

A heavy paste compound, quickly applied. Imparts a high lustre, prevents prints from sticking on the ferro-type plates.

Amateur size.....25c
Prof. size.....85c

Order by No. 6703R



A very useful, pliable and very tacky material for posing objects at unusual angles. May be used over and over again without damage to article and has endless uses in the studio.

Per Cake.....$1.00

Order by No. 6704R



Rexo Acid Hypo

A carefully compounded acidifier and hardening agent which is packed in a enclosed separate carton. Clean, quick-acting and handy dissolves instantly. Fixes plates, paper and film with a wonderful brilliance.

1 pound.....25c

Order by No. 6705R



Probus Water-Proof Enamel

Acid, alkali and water-proof. Applied with brush. For coating trays, tanks, etc., ready for use. Dries jet black and glossy.

Half Pint.....45c
Pint.....80c
Quart.....$1.25

Order by No. 6706R

ACCESSORIES
For Dark Room and Studio

Check over these offerings of every-day camera, dark room and studio supplies. At these low prices you should add to your order those items that you now need—and it will pay you to anticipate your future needs while these low prices are in effect. All items are fully guaranteed. You save real money by ordering now.

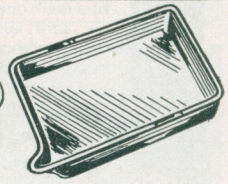


Nostane

An odorless paste, applied to the hands, renders them proof against discoloration and poisoning. Does not affect plates or paper.

Each.....25c

Order by No. 6707R



White Rock Trays

A high quality tray ideal for all types of dark room processing. Stamped from heavy gauge steel—double enamel coated.

4x6 inch.....32c

Order by No. 6708R



Ingento Camera Dressing

Applied with sponge, brush or soft cloth, for refinishing leather on cameras, carrying cases and black leather cases of all kinds. Dries rapidly, waterproof and harmless to leather. Complete with instructions and sponge dauber.

3 ounces.....50c

Order by No. 6709R



Ingento Retouching Varnish

This varnish gives the negative a roughened and hard surface that is just the thing for easy and accurate work in retouching with hard or soft pencil. Highly recommended.

1 oz. bottle.....50c

Order by No. 6710R



Ingento Black Matt Varnish

For coating inside of cameras, plate holders, etc., where light should not be reflected. It dries quickly to a perfect dull, smooth ebony black finish that will not rub off.

4 ounces.....50c

Order by No. 6711R



Spurr's Retouching Dope

Imparts a fine "tooth" to the negative making it easy to work over with pencil. Extremely satisfactory.

1 ounce.....50c

Order by No. 6712R



Intensine

When applied to thin, flat negatives, makes them strong and brilliant. Will save many negatives and is used by professional photographers as standard.

Per Tube.....25c
1 oz. bottle.....50c

Order by No. 6713R

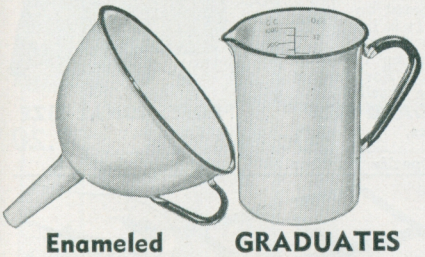


Reducing Powder

Negatives that are too dense can be quickly reduced to the correct density for quick printing. An indispensable dark room item.

Box of 5 tubes 75c

Order by No. 6714R



Enameled Steel Funnels

Made of cold rolled steel with four coats of acid-proof enamel. Easy to keep clean. Special beaded top edge — with handle. Indispensable in the dark room.

No. 03, 18 oz. 50c
No. 04, 40 oz. 60c

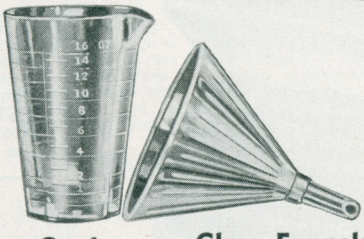
Order by No. 6715R

GRADUATES

Ingento steel enameled graduate. Of cold rolled steel with four coats of acid-proof enamel. Graduated on the inside in ounces and grammes. Full pouring lip.

16-oz. $1.05
32-oz. 1.30
64-oz. 1.65

Order by No. 6716R



GlassGraduates

Of heavy molded glass with molded graduations. Ideal for mixing formulas, etc.

4-oz. size....$ .15
8-oz. size..... .20
16-oz. size..... .30
32-oz. size..... .60

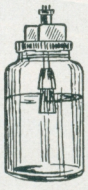
Order by No. 6717R

Glass Funnels

Fluted glass funnels, heavy inside ribs permit solution to descend freely after passing through filter paper.

¼ Pint.....40c
½ Pint.....45c
1 Pint.....55c
1 Quart.....90c
½ Gal......$1.40
1 Gal...... 1.90

Order by No. 6718R

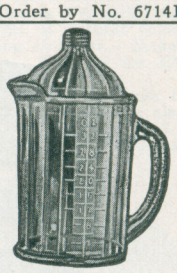


Rexo Rubber Cement Dispenser

A most convenient device for users of rubber cement. Air-tight, eliminates evaporation. Complete with sliding handle brush, which is renewable and quickly adjusted to any depth.

Pint only.....$.98

Order by No. 6719R



Measuring Jug

Full 32 oz. capacity with removable top. Of heavy clear glass with molded graduations. Special pouring lip.

Each.....$1.55

Order by No. 6720R



Alvord's Opaque

An intensely opaque paste which is applied with pen or brush, will wash off leaving no stain. Will not mold, crack or stick to print.

1 ounce.....25c
2¼ ounce.....50c
6½ ounce.....$1.00

Order by No. 6721R



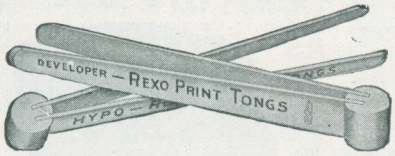
M-Q Developer

Powder in measured glass tubes, for paper, plates & film. Ready for use by mixing with water, contains correct amount of bromide. Full instructions. Develops films with extremely fine grain if temperature control is carefully maintained.

Box of 5 tubes 25c

Order by No. 6722R

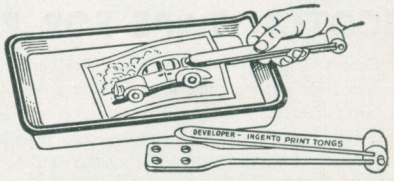
REXO PRINT TONGS



For handling prints in hypo and developing solutions. Prevents stained fingers—finger marks on prints. Tongs are stamped with the word "Hypo" or "Developer". Specify which is wanted when ordering.

PRICE EACH, ONLY..... **20c**

Specify Number 6723R when ordering



INGENTO PRINT TONGS

A new type of print tong offering decided improvements over the older types. Made of specially prepared resilient water-proof wood having a wide platform bottom to support the print. Eliminates stained fingers—makes for cleaner work when printing. A valuable dark room accessory.

Price each.....25c

Specify Number 6724R when ordering

SAVE MONEY ON PHOTOGRAPHIC ACCESSORIES



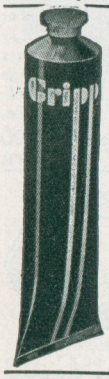
INGENTO STUDIO REGISTER

Provdes a complete record and bookkeeping system for the studio. Gives you a complete record of sittings, negative numbers, payment received, balance due, etc. Provides a cross reference for negatives both by name and number.

A Complete Studio Bookkeeping System

Book consists of 180 pages securely bound in hard covers. Three lines are provided for each entry—and space is provided for entering all pertinent data on every sitting or sale made by the studio. It gives you a definite method for keeping an accurate, cross referenceof negative numbers. Every studio will appreciate the advantages of a record book of this type.

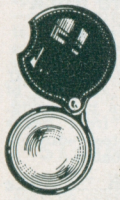
Order by Number 6801R when ordering **Price each..... $4.98**



Grippit RUBBER CEMENT
FLEXIBLE STAINLESS

Properties beyond its ability to stick things together has been making Grippit a steady product to users who will accept no substitute. Grippit holds the thinnest paper or print flat—without wrinkles. It is clean, so clean it rubs off your fingers, so clean that any excess squeezed out at the edges of your paste-ups also rubs off without leaving hard and shiny spots. It has hundreds of uses wherever paper, cloth, rubber or leather must be attached. It holds firmly even to metal and glass. Grippit is put up in handy sealed tubes. In addition, the new economical Quart with a pouring spout makes it easy to refill the new 4-oz. desk can.

Per Tube, each	**$ .25**	**Pint, each**	**$ .90**
4-oz. Size, each	**.35**	**Quart, each**	**1.50**
½ Pint, each	**.55**	Specify No. 6802R when ordering	



MAGNIFIER Pocket Model

A high magnification power lens in special mounting. Heavy leather case is attached and acts as a handle for using lens. Lens is 1¾ inches in diameter. An ideal pocket type of lens suitable for reading, retouching, checking critical focus, etc.

Order by No. 6804R **75c**



Adjustable MAGNIFIER

Made in U.S.A. Special magnifying unit that will suggest endless uses in and about the studio. Use it in retouching negatives—fine block-out work, etc. Lens is 1½ inch in diameter, mounted in swivel ball and socket mount on heavy metal standard.

Order by No. 6805R **$1.75**

Double Convex Magnifier

These fine double convex magnifying glasses will find no end of usefulness in and around the studio.

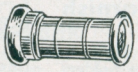
1½ in. size....37c
1¾ in. size....47c
2 in. size.....65c
3½ in. size....75c

Specify Number 6806R



Critical Focus Magnifier

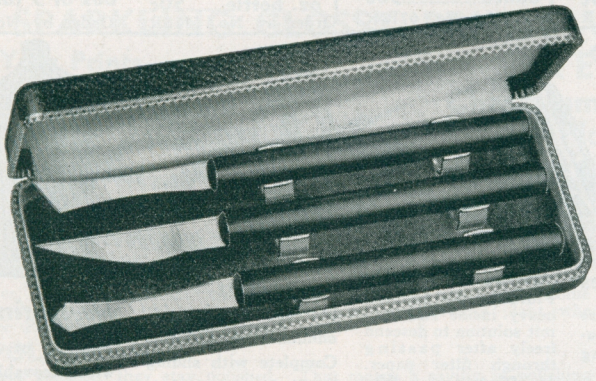
Placed against the ground glass focusing back of the camera, they enable you to secure perfect focus. Ideal for use in interior work, especially where subject is poorly lighted,



A splendid value, Price each..... **$1.70**

Specify Number 6707R when ordering

REXO PHOTO RETOUCHING SET



FINEST TEMPERED STEEL—FULLY HONED

Set consists of three knives in a partitioned cloth lined case. Each knife has a different shaped blade, adapting the set to all types of retouching work. Blades are of highest quality steel, tempered to the proper degree of hardness and carefully ground and edged. Ebonized wood handles. Ideal for the professional, advanced amateur or student.

Specify Number 6810R when ordering. **Price each..... $2.95**

"AMERICAN BEAUTY" RAPID PRINT MOUNTER

Clean Rapid Positive
With Heat Control



FOR 5x7—8x10 to 11x14 IN. PRINTS

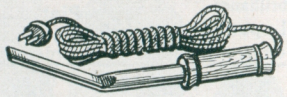
Designed for use with mounting tissue. Permits mounting prints in albums or on regular mounts securely—free from wrinkles or lifts and in a minimum of time. The mounter heats in a few minutes time to a temperature of 230 degrees fahrenheit—and automatically maintains this temperature whether in intermittent or constant use. Will not scorch or discolor the print. The Model 2 iron has a heating surface of 3¼x5 inches, weighs 2 pounds. Recommended for all print sizes to 5x7 inches. The Model 4 iron has a heating surface 8½x11 inches, weighs 10 pounds. For professional use on print sizes to 11x14 inches. Cuts hours of work to minutes and assures a better mounting job. Operates on 110 volt alternating current—attains proper working temperature in a few minutes.

MODEL 2	MODEL 4
For 5x7 inch Prints OR SMALLER	For 8x10-11x14 Prints OR LARGER
PRICE EACH..... $3.95	PRICE EACH.... $17.75

Model 4 for Direct Current..... $18.75

Specify Number 6803R when ordering

MOUNTER SPOT
FOR MOUNTING YOUR PRINTS

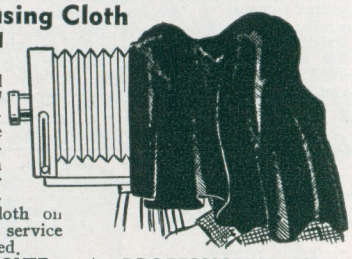


An electrically operated heating iron designed for use with dry mounting tissue in mounting prints. The heating element is of the proper resistance to produce the proper temperature for the tissue. Of sturdy construction and perfect design. Should be in every studio. Wooden slide box included. Operates only on 110-120 volts A. C. or D. C. A splendid value at this price.

SALE PRICE, EACH..... 50c

Specify Number 6808R when ordering

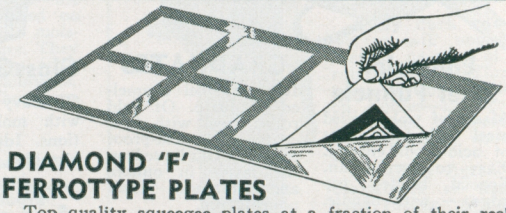
Ingento Focusing Cloth
Waterproof and Light proof



The material used is an improved dull black heavily rubberized fine serge that is closely woven and coated on one side. It is far superior to the ordinary focusing cloth on the market. For service it cannot be excelled.

STANDARD SIZE	PROFESSIONAL SIZE
36x36 inches, Price each..... 80c	36x54 inches, Price each..... $1.20

Specify Number 6809R when ordering



DIAMOND 'F' FERROTYPE PLATES

Top quality squeegee plates at a fraction of their real value—because they are cut to an off standard size. Free from flaws and imperfections. Sold only in complete packages and in the size listed below.

Size 10x14 inches, Package of 12... $1.49

Specify Number 6811R when ordering

SCOTCH TAPE FOR PHOTOGRAPHIC USE

Scotch Tape is made of strong flexible black paper coated on one side with a pure latex rubber adhesive that will stick to any surface. No moisture, glue, or paste required. Just tear it off and apply it; easy to remove, simply pull it off. It leaves no mark on the surface to which it was fastened. Can be used many times. Retains its adhesive properties. It gives a good straight edge on celluloid; no wrinkles.



BLACK SCOTCH TAPE

Ideal for using in mounting negatives down on the printer, or for securing register when double printing. Being absolutely opaque it is ideal for blocking out undesired portions of a negative, or for masking in the negative.

½"x10 yd. roll.....	25c	1"x10 yd. roll.....	25c
½x60 yd. roll.....	86c	1"x60 yd. roll.....	$1.33

Specify Number 6812R when ordering

Spotting and Opaquing Brushes

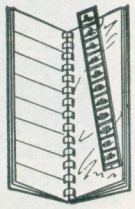


Finest quality sable hair, with metal ferrule and long tapering handle. The smaller sizes for spotting pin holes in prints, etc. Larger sizes for opaquing.

Sizes 00 to 6.....30c
Sizes 7 to 9.....40c

Order by No. 6813R

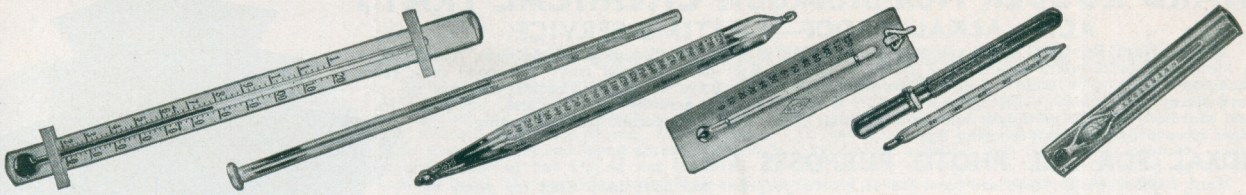
FILM FILE



Spirally bound book consisting of ruled pages for records, and transparent envelopes for holding the films. Will accommodate up to No. 120 film size. Pages lie flat when open due to spiral binding. Keeps your film dust free.

Order by No. 6814R **35c**

SPECIALS FOR THE STUDIO DARK ROOM



No. 4—
New type, high grade thermometer, ideal for all types of tanks and tray use. Measures 7/16" in diameter. Rubber buffers prevent damage to the thermometer.
Price Each..... **35c**
Order by No. 6901R

No. 5—
A high grade thermometer in a glass stirring rod. It is 9¼ inches long and a quarter of an inch thick. The head is flattened for crushing chemicals.
Each..... **89c**
Order by No. 6902R

No. 6—
A floating type of thermometer, shot weighted base. Eight inches long. Graduated from 0 to 220°. Has special ring hook handle. Very accurate, fully guaranteed.
Price Each **72c**
Order by No. 6903R

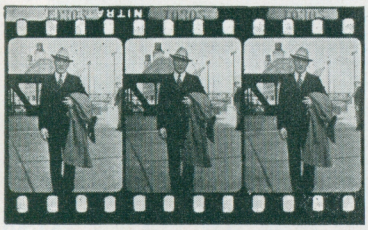
No. 3—
Made for use with developing tanks, it is shaped to occupy the least possible space and fitted with a hook for fastening to edge of tank. Holder heavily silvered brass. Graduated from 10 to 120°F.
Each..... **55c**
Order by No. 6904R

No. 2—
A high grade thermometer, equal in accuracy and sensitivity to a clinic thermometer. Very convenient for use as it can be carried in the pocket. In hard rubber case.
Price Each..... **$1.00**
Order by No. 6905R

Hydrometer
An absolute necessity if you make up your own solutions, especially of hypo mixtures, as different hypos vary greatly in strength. Packed in individual wooden box complete with directions for use.
Each..... **79c**
Order by No. 6906R

ACME 35mm. STREET SNAPPING CAMERA

Snapshots of the passerby with street scene backgrounds have proved to be a highly profitable business. The Acme camera snaps single frame negatives on regular 35mm. film. Each negative registers a card number when the exposure is made. The card bearing this number is handed to the prospect — and when orders for prints are received, identification of the proper negative is easily made. Camera is fitted with a large reflecting mirror view finder. Rotary shutter operates at approximately 1/35 second. A powerful spring motor actuates the shutter and advances the film automatically as each exposure is made.



1500 SHOTS PER LOAD

Camera loads with standard 35mm. film in regular daylight loading reels. Approximately 1500 exposures are made on each 100 feet of film — reducing the cost per exposure to a negligible factor. Notice in the illustration at the left the identification number that appears at the top rebate edge of the film. Enlargements of the small negatives to regular snapshot size prints are easily made on Solar Model 1 Enlarger, fitted with a 2 inch lens.

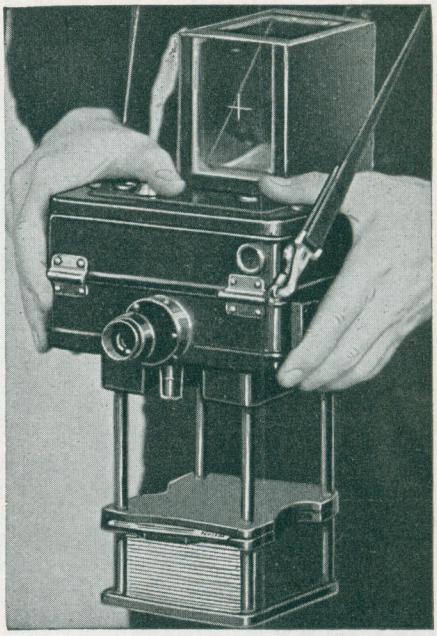
WITH F:3.5 2 INCH ANASTIGMAT LENS

Complete outfit as illustrated fitted with a special F:3.5 2 inch anastigmat lens plus a small auxiliary lens for the number recording system — special reflecting view finder and identification card rack with sample card. Includes special mechanism for single exposure and single frame film advance.

Above with F:1.9 Super Anastigmat $155.00

The prices quoted on these units are net cash with order. No discounts, charge accounts, trades, time payments of returns.

NET PRICE EACH **$115.50**
Order by Number 6907R when ordering





CAMERA ONLY

For 1½x2 inch Pictures
Complete camera as used in above outfit, with superspeed F:3.5 lens. Instructions for building cabinet, darkroom, setting lights, etc., furnished with camera.
Order by No. 6910R ... **$78.50**

CAMERA ONLY

For 2¼x3¼ Inch Pictures
Also availabe in 2½x3½" size with 4⅞" F:4.5 lens in Ibsor shutter.
Order by No. 6911R **$165.00**

DIRECT POSITIVE ENLARGER

Enlarges direct positive paper photos to 5x7 inches. With F:7.9 lens and two quick focusing adjustments. Measures only 11x24 inches.
Order by No. 6912R ... **$25.00**

LUXOR Jr. DIRECT POSITIVE PHOTO OUTFIT

Here is one of the greatest values ever offered in the popular "4 for a dime" Direct Positive Photo Machines. The attractive, well constructed cabinet measures 7½ feet long, 33 inches wide by 73 inches high. Beautifully stained and varnished in natural color. Outfit consists of dark room for processing, complete camera and posing chamber. Makes the popular 1½x2 inch photos in strips of any number of exposures. Capacity for 250 foot rolls of direct positive paper.

Outfit includes all lighting arrangement, reflector switches, globes, etc. Dark room is equipped with sink, shelving, safelights, etc. Adjustable posing stool and curtain are also included. The high grade specially designed camera is fitted with a super-speed F:3.5 Anastigmat lens with automatic shutter. Outfit is portable, weighs approximately 225 lbs.

COMPLETE OUTFIT

Complete outfit as described, ready to set up and operate.
PRICE EACH..... $143.00
Order by Number 6908R
With F:2 Lens.....$157.50

For those who prefer to buy the camera only and make their own studio cabinet, a set of construction plans for the cabinet are available at $15.00 net, at the time of camera purchase.
Order by Number 6909R

DIRECT POSITIVE VISUALIZER

By inserting the small 1½x2 in. photo, and looking into the visualizer, the customer sees a brilliantly enlarged picture of himself which usually means another enlargement sold.
Order by No. 6913R ... **$30.00**



Above prices are F. O. B. factory in Indiana.
Remittance must accompany order for above outfits. Not subject to cancellation or return.

SLIP-IN MOUNTS FOR LUXOR Jr. PRINTS

Special slip-in mounts for use with the pictures reproduced by the Luxor Jr. Direct positive photo outfit. The mounts are all of the slip-in type, a wonderful value at the low price quoted .Mounts furnished are similar in style and quality to illustration, although we reserve the right to substitute design subject to stock on hand.

PER 100..... $1.35 | PER 500..... $6.25 | PER 1000..... $11.50 | PER 5000..... $52.00
Order by Number 6914 when ordering

TRAYS and DEVELOPING ACCESSORIES

HARD RUBBER Non-breakable CHEMICAL TRAYS

ACID, ALKALI-PROOF—LIFETIME SERVICE

Molded Hard Rubber Trays have proven their ability to take hard knocks of the dark room. It is a lifetime material—dent proof, glaze proof, acid and alkali proof. Good trays and good dark room technique go hand in hand. Good prints and hard rubber trays are a combination that fits the picture in any dark room. Although hard rubber is worth more, it actually costs you less. Strong and sturdy, yet light in weight and so made that its flaring sides permit perfect nesting. All sizes have a dribble-proof pouring lip.



IDEAL FOR ALL PHOTO PURPOSES

Hard Rubber photo trays are ideal for all photo purposes and have been used for years by the professional. They are now available to the amateur at these low prices. Easily kept clean. Use them for developing, washing and fixing. The special rubber composition used in these trays is totally unaffected by most all acids and alkalies. They are non-porous and non-corrosive, with a chip proof surface. Reinforced rims and bottoms assure great strength.

4x6 INCH SIZE
For processing plates, films and prints up to 4x6 in. Tray measures 4½x6½x1¼ in.
PRICE EACH..... 25c

5x7 INCH SIZE
For processing plates, films and prints up to 5x7 in. Tray measures 5½x7½x1½ in.
PRICE EACH..... 50c

8x10 IN. SIZE
For processing plates, films and prints up to 8x10 in. Hard rubber will not chip.
PRICE EACH..... 80c

11x14 IN. SIZE
For processing plates, films and prints up to 11x14 in. Of hard rubber construction.
PRICE EACH $1.85

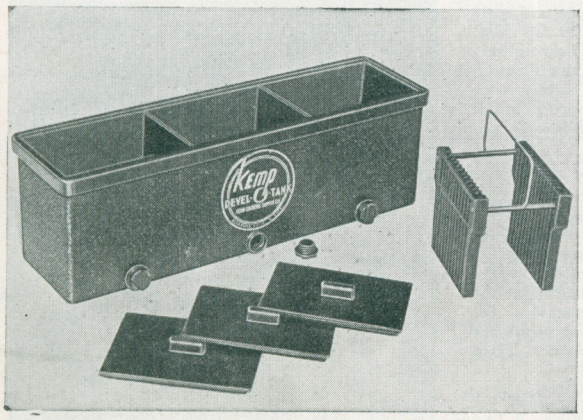
14x17 IN. SIZE
For processing plates, films and prints up to 14x17 in. With dribble-proof pouring lip.
PRICE EACH $3.00

18x22 IN. SIZE
For processing plates, films and prints up to 18x22 in. Non-porous and non-corrosive.
PRICE EACH $7.00

20x24 IN. SIZE
For processing plates, films and prints up to 20x24 inches. Reinforced rims and bottoms.
PRICE EACH $8.00

Specify Number 7001R when ordering any of the above Trays — Also state Size desired

KEMP DEVEL-O-TANK

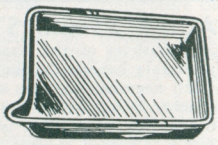


A complete compact developing unit, adjustable from 35mm. to 4x5 inches. Accommodates cut film, film packs or plates. Compartments are provided for developer short stop and hypo. Measures 19½x5x6½ inches. Each compartment holds 64 oz. of solution when full. Has light tight cover for each compartment. Separate drain plugs are also supplied on each compartment. Built entirely of hard rubber and stainless steel. Due to the light tight covers, little oxidization takes place permitting developing solutions to be stored in the tank.

Specify Number 7002R when ordering

PRICE EACH $7.95

TRAYS — CLOSEOUT



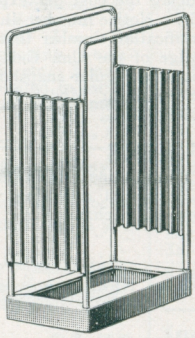
These heavy trays are shaped from armor plate steel of heavy gauge finished with three coats of acid-proof enamel. They have a special pouring lip, enabling the user to pour liquids into the smallest necked bottles. All trays are oversize, size specified indicates the standard size of plate or paper tray will hold.

4x6 ..... 40c **7x9 ..... 70c**

23x28 ..... $8.70

Specify Number 7003R when ordering

TANK DEVELOPING PLATE RACKS

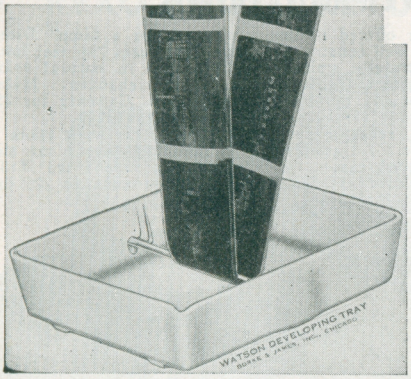


Ideal for developing large quantity of plates quickly and with uniform results. Plates are placed in racks back to back. All metal construction, nickeled and chromium finish. Non-corrosive and not affected by any of the chemicals ordinarily used in the processing of films and plates.

Size	Capacity	Each
3¼x4¼	12	$1.60
3¼x5½	12	1.70
4x5	12	1.80
4¼x6½	12	2.10
5x7	12	2.10
5x7	24	3.00
5x7	36	3.75
6½x8½	12	2.75
6½x8½	24	3.50
8x10	12	3.25
8x10	24	3.75

Specify Number 7004R when ordering

WATSON ROLL FILM DEVELOPING TRAY



The new Watson 6½x8¼x1½ inch white glass tray has proven a very welcome addition to the present dark room equipment. It is especially designed for roll film, also for 5x7 cut film or prints. Illustration shows the ease and simplicity of developing a roll of film. The film is held down by a smooth glass rod, immersed in the developer and then passed up and down until operation is completed. The glass rod is removable, permitting the use of tray for 5x7 plates, cut film, etc.

NEW MILK WHITE GLASS

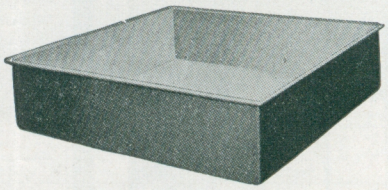
The new white glass is easy to keep clean at all times thus eliminating contamination, etc. You will want several of these trays after you buy your first. Highly recommended.

Order by No. 7005R

PRICE, EACH 85c

HYPO FIXING BATHS

EXTRA DEEP



Extra heavy and extra deep Hypo fixing bath trays. Made of the finest white, triple coated enamel on heavy armor steel. These trays are far superior to shallow trays where a large volume of work is handeled. They tend to eliminate slopping over and muss. The gleaming white namel finish makes them easy to handle and keep clean. Because of the large volume of solution they hold, thorough fixing of both negatives and prints is assured.

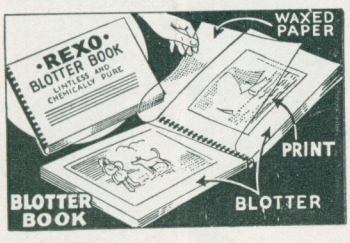
SIZE 12x16x5 in. DEEP, PRICE EACH $12.00

SIZE 16x20x6 in. DEEP, PRICE EACH $14.00

SIZE 20x24x6 in. DEEP, PRICE EACH $18.00

SIZE 20x30x6 in. DEEP, PRICE EACH $20.00

Specify Number 7007R when ordering



BLOTTER BOOK

Simply place the wet prints emulsion side down on the blotter pages, separated by waxed paper, and close book. The prints dry clean and flat and rapidly. Consists of 24 pages finest pure photo blotting stock with waxed paper inserts. Sturdily bound, size 8½x11⅞ inches An excellent value.

Order by No. 7006R

PRICE EACH 65c

Absorbent and Filtering Cotton

High grade, long staple cotton, ideal for filteration and all studio work. Specially made for photographic purposes and guaranteed pure. Furnished in 16 ounce paper cartons.

PER 16 OUNCE BOX 50c

Order by No. 7008R

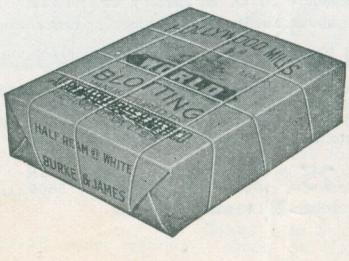
SPECIAL PHOTOGRAPHIC BLOTTING PAPER

In 19x24 inch sheets. Made of pure cotton and heavily calendered. They contain no clay, hypo or other chemicals and are absolutely chemically pure.

120 POUND STOCK

Per 25 sheets..$ 2.00
Per 125 sheets.. 7.10
Per 250 sheets.. 13.60
Per 500 sheets.. 25.75

Specify No. 7009R when ordering



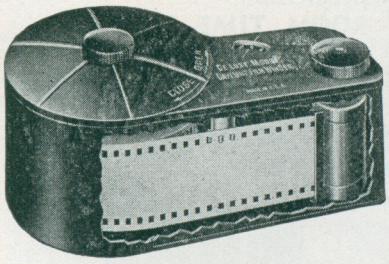
Made especially for photographic use. Their chemical and absorbent qualities will be found superior to many of the photographic blotting papers now on the market.

100 POUND STOCK

Per 25 sheets..$ 1.60
Per 125 sheets.. 6.00
Per 250 sheets.. 11.50
Per 500 sheets.. 22.00

Order by Number 7010R

DeLuxe Model 35mm. DAYLIGHT BULK FILM WINDER



FOR LOADING CAMERA CARTRIDGES FROM BULK FILM

Wind your own 35mm. film spools and cartridges from bulk film. Provides for utmost economy in film cost. Unit accommodates a 100 foot reel of bulk film. A light tight chamber is provided for loading the camera spools in daylight. Unit is equipped with a frame counter that tells you the number of frames wound on the spool. In operation the bulk film is loaded into its light tight chamber, the end being threaded through a light tight aperture into the loading chamber. The emulsion side of the film is not touched. In the loading chamber the film is threaded on to the camera spool, the cartridge assembled and any desired length of film wound in daylight.

FOR ALL 35mm. CAMERAS

Operators of all types of 35mm. cameras using the standard 18 or 36 exposure cartridges, will welcome the opportunity at film economy provided by this unit.

ALL BAKELITE CONSTRUCTION

Unit is constructed of fine molded bakelite throughout. Loading with bulk film is extremely simple and a simplified film threading device enables you to bring the end of the film through the light tight trap and into the cartridge loading chamber in a minimum of time. Once loaded with bulk film—cartridge after cartridge may be loaded until the bulk film supply is exhausted.

FOR FILM ECONOMY

The daylight film winder can be used with all types of 35mm cameras using film in enclosed cartridges such as Retina, Welti, Contax, Weltini, Leica and Robot. The purchase of 35mm. film in bulk provides for the utmost economy—cuts film costs to the bone.

Order by Number 7101R
PRICE EACH, COMPLETE..... $4.50

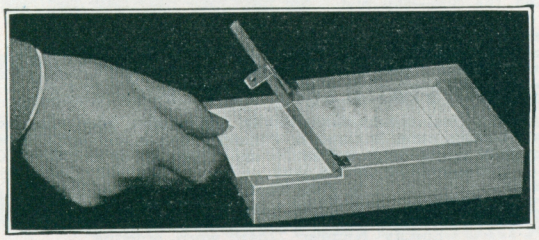
Adapters for use with both of the above film winders for the Univex No. 200 Cartridge 50c

KOR-KEY

Helps you reload Eastman 35mm. spools and answers the problem of anchoring the film tongue to the spool. It ejects the core so you can remove the old tongue, refits the core to the new film tongue and locks the core in place.

Order by No. 7102R
PRICE, EACH **49c**

IDEAL PAPER HOLDER and BORDER MASK



A big time saver when making enlargements. The hinged top permits insertion of a number of sheets of enlarging paper which can be drawn out singly after each exposure. Automatically masks and holds paper perfectly flat. Pins on bottom prevent shifting of holder. Very useful—and fully guaranteed.

4x5 IN. EA.	5x7 IN. EA.	8x10" EA.	11x14" EA.
$2.00	$2.25	$2.50	$3.00

Order by Number 7103R

WOLLENSAK Rambler Field Glass

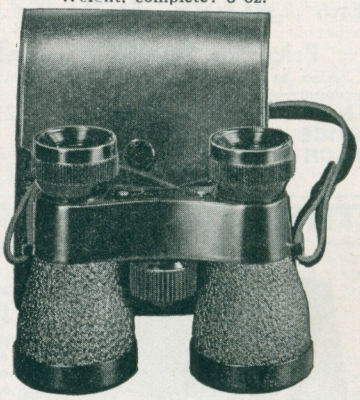
4 POWER MAGNIFICATION

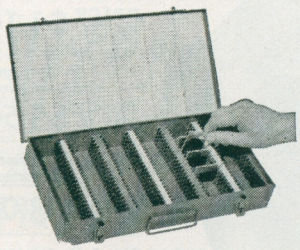
Height collapsed: 3⅜ inch.
Height extended: 3⅝ inch.
Width overall: 4 3/16 inch.
Diameter of objectives: 33mm.
Field of view: 255 feet at 1000 yards.
Weight, complete: 8 oz.

A light weight, compact, field glass with plenty of luminosity and power, and a large field of view. Its beautifully designed, all metal case is finished in rich black lacquer, and vulcanized rubber covering of deep morocco grain. Convenient center screw focusing. Supplied with neck strap and genuine heavy sole leather case.

The Rambler is a full four power glass, with fine achromatic optical system, and is particularly recommended for nature study, theatre, sporting events, and for general field use where compactness is required. Have more fun —take along a Rambler.

Order by Number 7104R **$9.75**





SPECIAL 2x2 INCH LANTERN SLIDE FILING SAFE

An ideal system for the filing and storing of all 2x2 inch film and lantern slides. Box of heavy gauge metal accurately shaped with hinged lid and finished in an attractive silver gray color. Compartments are provided for 150 slides, each compartment being numbered. On the underside of the lid an index card is mounted, also numbered from 1 to 150 with space provided for listing the title of each slide. It keeps your slides in proper order — easy to locate and always ready for use. This practical system of indexing your slides saves invaluable time when showing them as they may be filed in their proper order, yet, any individual slide may be readily found by referring to the master index on the lid.

Order by Number 7105R
PRICE EACH Complete $3.00

Combination FILE and VIEWER

2x2 INCH SLIDE FILE AND VIEWER No. 155

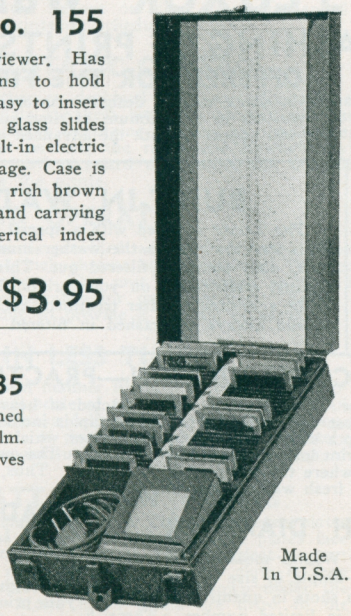
Combination Slide case and viewer. Has full width individual partitions to hold slides in an angular position—easy to insert or remove. Accommodates 70 glass slides or 140 ready mount slides. Built-in electric lamp viewer shows brilliant image. Case is of welded metal construction in rich brown wrinkle finish, with snap catch and carrying handles. Has complete numerical index under lid.

Order by Number 7106R
Price, Each..... $3.95

35mm. FILM FILE and VIEWER No. 135

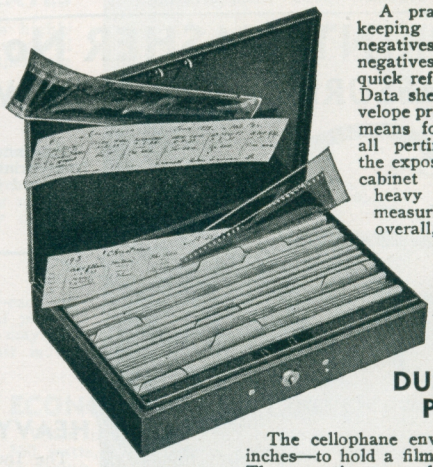
Similar to above but designed for use with 35mm. strip film. Has capacity for 1500 negatives in strips of four. Built-in viewer. Complete with 12 index cards, 25 cellophane envelopes and 25 file separators.

Order by No. 7107R
Price each . $3.95



Made In U.S.A.

WATSON 35mm. NEGATIVE FILE



A practical filing and safe keeping system for all 35mm. negatives. Holds over 1800 negatives—all properly filed for quick reference and accessibility. Data sheets in the negative envelope provide a most convenient means for keeping a record of all pertinent data relating to the exposure, subject, etc. The cabinet proper consists of a heavy gauge metal chest measuring 7x9¼x2¼ inches overall, fitted with a lock having two keys. Included also are 100 data sheets. It is dust and fire-proof. It gives you perfect protection for your valuable films.

DUST AND FIRE-PROOF CASE

The cellophane envelopes measure 2x9¼ inches—to hold a film strip of six negatives. The negatives are held flat and are always ready for use in the enlarger or for contact printing. The transparent cellophane enables you to quickly check all six negatives. With each cellophane envelope a data and reference sheet is supplied. Space is provided on this data sheet for keeping a complete record of such pertinent data as the type of film used, exposure, filter, lens stop, light condition, etc. Additional envelopes and data sheets are available.

PRICE EACH, ONLY..... $3.75
EXTRA ENVELOPES, Per 100..... 80c
EXTRA DATA SHEETS, Per 100..... 90c
Order by Number 7108R

SPECIALS FOR THE STUDIO DARK ROOM



NEW Zipper Changing Bag

The New Zipper Changing Bag for Perfect Safety

No need to "blackout" your kitchen — nor walk miles to your dark room, when you have no place to load up — the new Ingento zipper changing bag was designed to overcome this difficulty — a superior changing bag made of the finest light tight material. With it you can load plate or film holders or developing tanks on the spot, in broad daylight. Holders are slipped into the end of the bag, which is then closed with the zipper fastener. Your hands slip through the sleeves which have rubber wrist bands to keep out the light. After that your experienced hands will know what to do.

Prices of New Zipper Changing Bags

No. 0—25x26 In.	No. 3—34x35 IN.	No. 5—36x44 In.
Price Each .. $6.00	PRICE EACH .. $9.00	Price Each $10.50

Specify Number 7201R when ordering

Prices of Standard Ingento Changing Bags

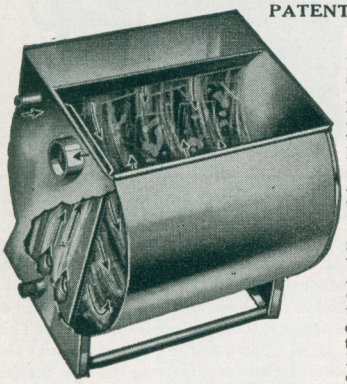
Also available in regular button fastener style, perfectly safe—for economy—standard for 15 years.

No. 1—17"x24"	No. 2—24x25 In.	No. 4—32"x36"
PRICE EACH .. $4.25	Price Each .. $5.00	PRICE EACH .. $6.25

Specify Number 7202R when ordering

THE NEW IDEAL PRINT WASHER

PATENTED



Scientific construction, very simple with no mechanical parts to get out of order. The water flow causes the prints to revolve around and around and the speed is regulated by the pressure. The heavy hypo wash water is drawn off the bottom upward and out, thus changing the water constantly.

This unit has been greatly modernized and will be found very satisfactory and efficient. An outlet at bottom permits draining without moving the tank. Made of heavy Galvadull, the new galvanized sheet that can be painted instantly. No 1 washer has a capacity of fifty 4x5 inch prints, etc.

No. 2	No. 3	No. 4
Length 12 in. Diam. 12 in. PRICE EACH $6.00	Length 18 in. Diam. 15 in. PRICE EACH $15.50	Length 24 in. Diam. 18 in. PRICE EACH $22.00

Specify Number 7203R when ordering

BULL DOG FILM CLIPS

(PATENTED)

THE DARK ROOM TIME SAVER



In handling roll film thru the operations of developing, washing and fixing as well as drying a good film clip is almost indispensable. In convenience, in time saving and the protection it provides against finger prints or scuffs to the tender emulsion, they quickly pay for themselves.

Do not confuse the REXO Clips with the cheap, inefficient clips which are now being offered.

These fine clips are constructed of high tension spring metal with specially designed curved jaws with saw type teeth that bite right through the emulsion and perforate the film base under their natural spring tension. You do not have to compress the jaws to make sure of their positive grip on the film.

Made of a special grade of metal to provide correct spring tension for a perfect grip on the film—slip and skid proof. They are extremely practical in design having a hook cut-out at the top for hanging—and a perforated hole for stringing on a line when desired.

INGENTO STAINLESS

Of stainless steel construction—will not tarnish, stain or corrode. Retain their bright finish indefinitely. Jaws are two inches in length.

PRICE EACH..... 15c

REXO NICKELED

Of finest spring brass construction. Ample tension to assure a perfect slip-proof grip on the film. Order an ample supply. Jaws are two inches in length.

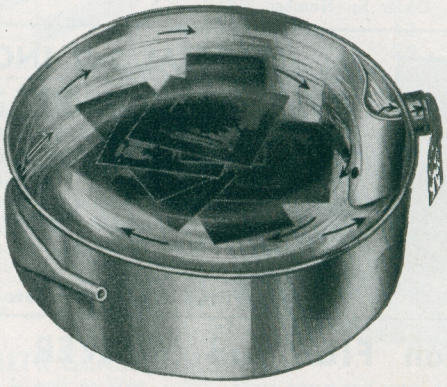
PRICE EACH..... 10c

Specify Number 7204R when ordering

NEW INGENTO PRINT WASHER

Latest model print washer, scientifically built of Galvadull. The hypo and heavy liquid at bottom is forced up through outlet. Streamlined for perfect washing. No. 2 washes fifty 4x5 in. prints in twenty minutes.

Prints are subjected to a rotary, swirling motion that constantly brings them into contact with fresh water. The speed of the swirling motion is regulated by the force of the tap water as it enters the washer.



No. 2—5x7 12 in. diameter PRICE EACH $4.10

No. 3 Professional 16 in. diameter PRICE EACH $6.50

No. 4 Professional 20 in. diameter PRICE EACH $8.00

No. 5 Professional 24 in. diameter PRICE EACH $9.25

Number 7205R

PRINT WASHER No. 3 LUXOR "Water Powered"

ASSURES THOROUGH WASHING OF PRINTS or NEGATIVES

OFFERED FOR THE FIRST TIME

An innovation in print washer design. Assures thorough elimination of hypo from prints or negatives in a minimum of time and with the utmost safety. Its advanced features will appeal to both the advanced amateur and the studio operator.

Pat. Applied For



BUILT-IN WATER FILTER

The Luxor is fitted with a special filter cartridge through which all water that enters the washer must pass. Fine particles of iron rust, dirt, etc., are filtered out. This filtering action is assurance against stains, etc., on your prints. Prints or negatives which are to be subjected to after treatment such as toning, intensifying, etc., should always be washed in filtered water.

HEAVY CONSTRUCTION—PRACTICAL DESIGN

The Luxor Print Washer is constructed of heavy gauge cadmium plated sheet metal. A hose connection to the water tap is included. The force of the incoming water sets up a swirling action in the washer which constantly brings the entire surface of the print into contact with the water. The overflow is drawn from the bottom of the tank where the hypo solution settles. Thus, the hypo is being continuously drawn off as fresh water enters the washer.

16 INCH DIAMETER

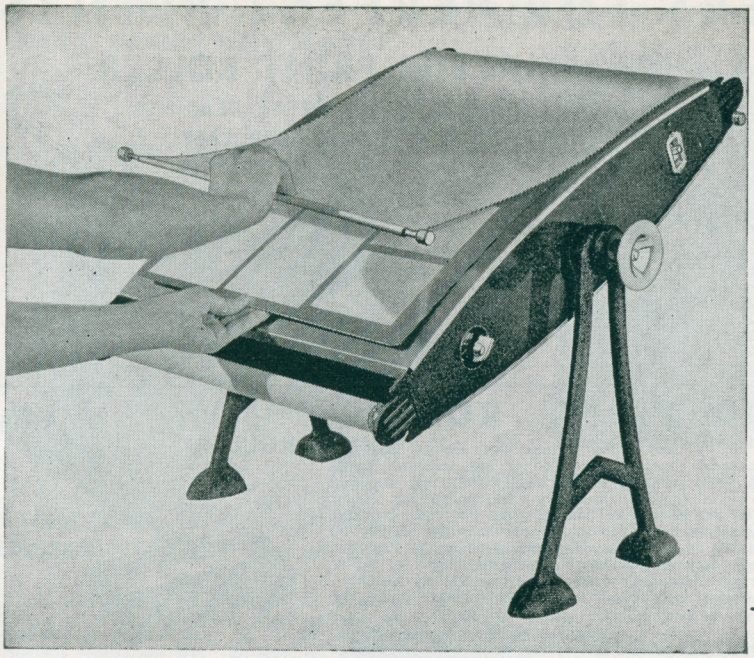
The Luxor Washer measures 16 inches in diameter—ample in size to handle all types of snap shots in quantity and even larger prints in limited number. There are no rough edges to mar or in any way damage the prints or negatives.

READY TO OPERATE

The Luxor is furnished complete with filter and hose connections—ready to connect for operation. Its use assures thorough elimination of all hypo from your prints and negatives.

Order by No. 7206R **$7.85**

Additional Filters, each.....15c



GLOSSY PRINT DRYER

DOUBLE DUTY TYPE

- THERMOSTATIC HEAT CONTROL
- FOR PRINTS UP TO 18x24 INCHES
- IMPROVES PRINT CONTRAST
- PRODUCES A PERFECT GLOSS
- SPEEDS UP PRODUCTION

In the commercial studio and photo finishing plant where continuous production of glossy prints is the order of the day, a glossy print dryer will quickly prove indispensible. It reduces drying time to a fraction of that normally required. It improves the appearance of your prints by producing a perfect gloss finish and by the retention of the full tone and contrast scale of the print. Approximately three minutes are required for the complete and thorough drying of a batch of prints. The heavy duty design of the machine permits its continuous use from morning till night, assuring a tremendous production in the daily output of prints. The improved quality of the prints plus the time savings effected, quickly offset the cost of the machine.

COMPLETE
LESS SQUEEGEE PLATE
$29.95

PRINTS ARE DRIED PERFECTLY FLAT

Machine dried prints drop off or may be readily stripped from the chrome squeegee plates. The canvas curtain holds them in contact with the plate through the entire drying process-preventing buckle and curl. Cracking due to fractional drying is eliminated.

THERMOSTATIC HEAT CONTROL

The Double Duty Glossy Print Dryer is constructed with a heavy duty, positive acting thermostat that automatically maintains the heat level at the correct temperature for fast uniform drying. There can be no spoilage of prints due to over-heating. The thermostat is sensitive within a few degrees of temperature—and within that narrow tolerance, the heat level is maintained throughout the drying period.

TWO 18x24 INCH PLATEN SURFACES

Two platens or drying surfaces are provided. These rotate on a center axis enabling the operator to bring either surface to the top position for ease and accessibility in loading or unloading. Each platen or heating surface measures 18x24 inches—and will accommodate chrome Squeegee Plates of that size. Smaller plates may be used if desired. Prints of all sizes and shapes may be handled up to the capacity of the Chrome Squeegee plates being used.

CAPACITY 750, 2¼x3¼ PRINTS Per HOUR

Machine has capacity of approximately 750, 2¼x3¼ inch prints per hour—or area equivalent in other sizes. There is no bottle neck in print drying for the studio that boasts a Glossy Print Dryer in finishing equipment.

REPLACEABLE HEATING ELEMENTS

The heating elements in the Glossy Print Dryer are of finest chrome wire providing a safety factor far in excess of the heat requirements of the machine. Under normal service and operating conditions they should provide a lifetime of service. They are assembled into the machine in such a manner that they may be readily removed or replaced if desired. Machine is designed for operation on 110-120 volt A.C.

IMPROVES PRINT QUALITY

The Glossy Print Dryer will actually improve the appearance of your prints. The black metallic silver grains that form the picture are suspended in the swollen gelatin of the print when wet. Fast, uniform drying of the gelatin compresses the silver grains into a finely condensed structure that holds the full tone scale of the print in its original form and most important of all, there is no loss in contrast.

FOR GLOSS OR MATT PRINTS

The Glossy Print Dryer, while primarily designed for glossy prints, may also be used for drying matt surface prints. In drying matt surface prints, all excess moisture should be removed from the print by placing it between blotters. Two or three changes of blotters are advisable. The prints should then be placed between dry blotters which are placed on the drying platen of the machine and allowed to dry. Glossy prints are mounted face down on chrome squeegee plate and placed in the machine as shown in the illustration.

D.C. model (less thermostat Control) also available, same price, specify.

Order by Number 7301R
PRICE, EACH $29.95

18x24 INCH CHROMIUM SQUEEGEE PLATES, EACH $3.00

THE NEW LUXOR DOUBLE DUTY GLOSSY PRINT DRYER

WITH ADJUSTABLE THERMOSTATIC CONTROL for AUTOMATIC HEAT CUT-OFF

TAKES TWO 10x14 INCH CHROME SQUEEGEE PLATES

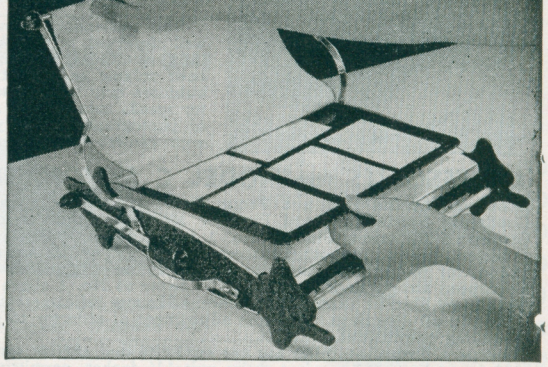
For the advanced amateur and professional studios of all types this highly efficient print dryer will quickly pay for itself in time savings and in improved print quality. When orders must be out on time, you can depend upon the Luxor to deliver your finished prints on schedule.

ADJUSTABLE THERMOSTATIC CONTROL

The Luxor Glossy Print Dryer is designed with an adjustable thermostat, permitting the operator to regulate the heat level for normal, medium or rapid drying. The thermostat automatically maintains the heat at a uniform level within a tolerance of a few degrees assuring the rapid and through drying of the prints. The thermostat acts as a silent guard eliminating the possibility of the machine overheating and baking the prints.

EASY TO LOAD AND OPERATE

The Luxor Glossy Print Dryer is provided with two drying surfaces—each of which will accommodate a 10x14 inch chrome squeegee plate. The actual platen surface measures 11½x15½ inches. The unit is designed so that it may be turned over to provide easy accessibility for quick loading. Entire unit is of durable, sturdy construction—built to provide a lifetime of service.



FOR A BETTER JOB IN LESS TIME

Prints dried in this new, modern manner literally sparkle with crispness and contrast. The full tonal scale of the print is retained in all its fine gradations. Prints are always delivered flat—free from annoying curl and buckle. Each batch of prints is dried in approximately three minutes time, providing an unusually large hourly production of finished prints.

FOR GLOSS OR MATT FINISH PRINTS

For drying glossy prints regular 10x14 inch Chrome Sqeegee plates should be used. The prints are mounted on the squeegee plates face down and squeegeed with a rubber roller to assure perfect contact and the removal of all excess moisture. The squeegee plate is then placed on the platen of the dryer, where it is held down under the tension of the cover curtain. Matte finish prints are dried in the same manner but are placed between lintless blotters instead of on squeegee plates. Entire unit weighs only 11 pounds and 12 ounces.

ECONOMICAL IN CURRENT CONSUMPTION

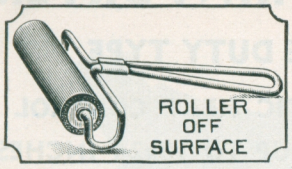
When operating at full capacity, the heating element draws only 300 watts, providing for extremely economical operation in proportion to drying surface provided. The frame is sturdily constructed of high grade iron castings with two baffle plates of fine quality polished and chrome plated steel. The non-bleached pressure curtains are held in place with highly polished chrome bands. Will quickly pay for itself in the time it saves and the improved quality of the prints produced. Unit is furnished complete with Underwriters approved heater cord and non-breakable plug. Operates on 110-120 volt A. C.

D.C. model (less thermostat Control) also available, same price, specify.

Order by Number 7302R
PRICE, EACH $12.50

10x14 INCH CHROMIUM SQUEEGEE PLATES for above, EXTRA EACH 80c

SQUEEGEE ROLLERS FOR PERFECT PRINTS



The double action spring handle on the Handy Squeegee Roller is shaped to provide a rest for the roller when not in use, as illustrated above. It adds years of serviceable life to the unit by protecting the live rubber roller. The end loop in the handle enables you to hang it at any convenient spot.

HANDY 3½ INCH AMATEUR PRINT ROLLER

Ideal for amateur use in squeegeeing prints—and for mounting prints for display. Despite its low price, no compromise has been made in quality. The roller core is of selected straight grained hard wood with metal end inserts which provide a long life bearing surface for the handles.

METAL BEARINGS FOR EASY OPERATION

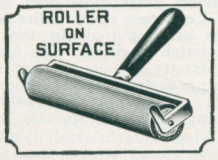


LIVE RUBBER SURFACE

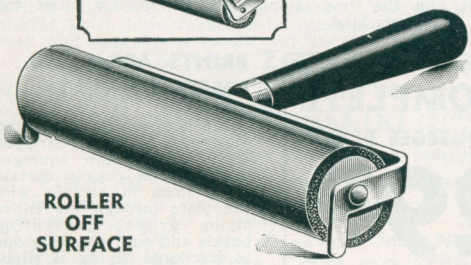
Over the hardwood roller core is a seamless piece of live rubber having a ground surface to assure true roundness. The natural resiliency of the rubber combines with the springiness of the handle to provide smooth squeegeeing action on the print.

Order by Number 7401R
PRICE, EACH **19c**

DELUXE SQUEEGEE AND PRINT ROLLERS



LIVE RUBBER COVERED ROLLER

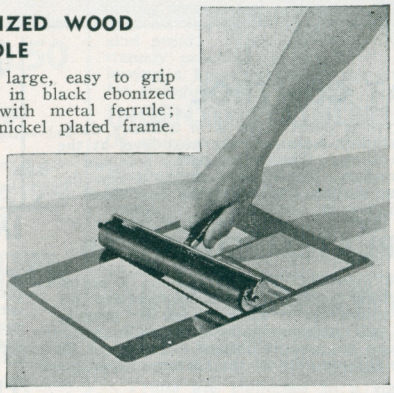


ROLLER OFF SURFACE

A heavy duty roller of excellent design and fine mechanical construction. Roller has seasoned hardwood, 1⅛ inch core which is completely covered with seamless ⅛ inch highly resilient rubber. Metal framework is so constructed that protruding metal prongs hold the roller in suspension when setting on the table as shown in illustration at left. Provides a uniform even surface over entire length of roller assuring the complete removal of all excess water — and perfect contact of print with squeegee plate, the first time over.

EBONIZED WOOD HANDLE

Has large, easy to grip handle in black ebonized finish with metal ferrule; heavy nickel plated frame.



4 INCH ROLLER PRICE EACH	$ .60
6 INCH ROLLER PRICE EACH	.80
8 INCH ROLLER PRICE EACH	1.00
10 INCH ROLLER PRICE EACH	1.50

Order by Number 7402R

REXO PRINT ROLLER



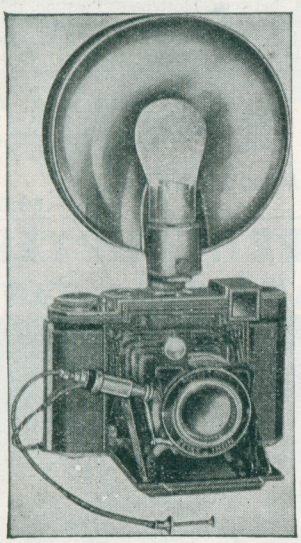
STEEL BEARINGS

A durable, neat appearing, inexpensive roller. All metal parts are highly finished. The fine quality rubber covering measures ⅜ inch thick. Hardened steel bearing pins. Outside diameter of roller measures 1⅛ in. Packed in individual cartons.

4 INCH SIZE Price Each ...	50c
6 INCH SIZE Price Each ...	60c
8 INCH SIZE Price Each ...	70c

Order Number 7403R

GOODSPEED FLASH SYNCHRONIZERS



FOR ALL POPULAR TYPES OF HAND CAMERAS

This highly perfected Goodspeed Synchronizer now makes it possible for everyone to enjoy the fascinating hobby of flashlight photography. Installation of the Goodspeed on any standard camera is extremely simple and the adjustment for securing perfect synchronization is quickly and easily made without the aid of additional accessories.

POSITIVE ADJUSTMENT for PERFECT SYNCHRONIZATION

With each Goodspeed Synchronizer a complete instruction sheet gives you detailed installation data. The positive adjustment outlined in the instruction folder definitely synchronizes the Goodspeed with any specific shutter. Synchronization is easily secured for both the slow or fast shutter speeds—and once the adjustment is made, it remains constant. Perfect timing of shutter action with the flash of the bulb assures well exposed, perfect negatives.

FOR BETTER PICTURES

The tremendous popularity of flashlight photography is well deserved. It makes you independent of prevailing light conditions. It enables you to control your light in both volume and direction. Pictures at night, indoors or outdoors may be successfully made, even at the high shutter speeds necessary to arrest motion, etc. You add hours of photographic activity to your hobby when you equip your camera with a synchronizer.

ACCESSORIES for MODEL C SYNCHRONIZER

Goodspeed Special Cord and Phone Tips for Exakta cameras only, each..... $ .60
Goodspeed Special Cord and Plug for Miniature Speed Graphic cameras only, each..... .60
Goodspeed Extension Plunger No. 1 for use with Rolleicord, standard Rolleiflex, Superb, Ikoflex and other cameras where design does not offer sufficient clearance for the synchronizer tripper. Measures 1¼ inches long. Each..... .50
Goodspeed Extension Plunger No. 2. Same as No. 1 above but ⅞ inch long, each..... .50
Goodspeed Flexible extension Bracket. Mounts on camera tripod socket. Adjustable in all directions. Permits adjustment of reflector to secure a wide range of lighting possibilities. Each..... 1.85
Goodspeed Extension Pillar for use on Leica and similar small cameras fitted with shoe or clip. Pillar raises entire unit 1½ inches, permitting easy access to shutter release, etc. Locks securely in camera shoe or clip. Of heavy metal, chrome finish. Each..... .80
Goodspeed Shoe or Clip for attaching to top or side of all Speed Graphic and similar cameras so reflector-battery unit can be supported in a desireable position without using tripod socket of camera. Of heavy metal construction, chrome finish, complete with three attaching screws. Each..... .20
Goodspeed Flashing Unit for Exakta, consisting of reflector-battery unit and special cord and phone tips to fit internal contact of Exakta camera (no synchronizer tripper required), Each..... 6.25
Goodspeed Flashing Unit for Miniature Speed Graphic, consisting of reflector-battery unit, special cord and plug to fit focal plane shutter contact of Miniature Speed Graphic camera (no synchronizer tripper required), and mounting clip with wood screws, Each..... 6.50
Goodspeed reflector-battery unit Model C, complete with batteries and soft fabric bag, but without synchronizer tripper, Each..... 5.75
Goodspeed Synchronizer Tripper Model C, complete with cord and plug, but without reflector-battery unit. Each..... 4.50

Order by Number 7405R

STANDARD MODEL C

Goodspeed Model C Synchronizer, complete with reflector-battery unit, batteries, synchronizer tripper and soft fabric snap fastener bag. Has built-in beam focuser and 5½ inch chrome reflector.
PRICE EACH..... $9.95

Order by Number 7406R

ARGOFLEX SPECIAL

Goodspeed Special Model for Argoflex, including extension plunger fitted with special threaded shutter socket fitting.
PRICE EACH..... $9.95

Order by Number 7407R

ROLLEIFLEX SPECIAL

Goodspeed Special Model for automatic Rolleiflex. Unit is fitted with a short synchronizer tripper so as not to interfere with angle of view of lens.
PRICE EACH..... $9.95

Order by Number 7408R

CONTAX SPECIAL

Goodspeed Special Model for Contax cameras. With special built in finger release. Specially designed for use on Contax cameras.
PRICE EACH..... $9.95

Order by Number 7409R

LEICA SPECIAL

Goodspeed Special Model for Leica, with built-in finger release and designed to fit only on Leica cameras.
PRICE EACH..... $9.95

Order by Number 7410R

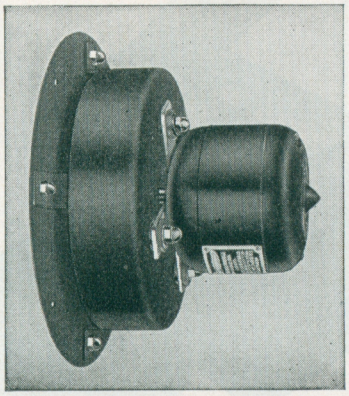
SUPER IKONTA SPECIAL

Goodspeed Special Model for Super Ikonta B. Has special fitting for holding film transport free from shutter.
PRICE EACH..... $9.95

Order by Number 7411R

THE GARLAND DARK ROOM VENTILATOR

CIRCULATES FRESH AIR IN DARK ROOM



Mover 35 Cubic Feet of Air Per Minute

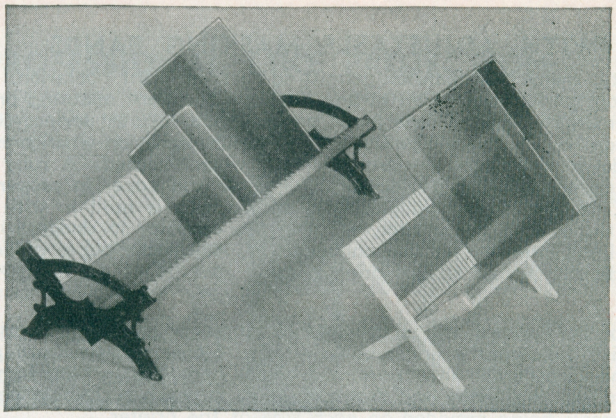
Transform your dark room from a stuffy "stale air" atmosphere to a vigorous fresh air "healthy" work room, by installing this modern ventilating fan. Powered by a quiet, rubber mounted, oilless bearing A.C. 110 volt motor. Mounts directly on wall—mounting plate measuring 8½ inches in diameter. You'll turn out better work in an "air conditioned" darkroom. Indispensable to the professional and highly recommended to the amateur.

Order by No. 7501R

PRICE EACH **$17.50**

NEGATIVE DRYING and DRAINING RACKS

• For Glass Plates or Cut Film In Hangers •



• For Quick Dustless Drying of Films or Plates •

INGENTO NEGATIVE RACK

To the left, in the illustration above, is shown the Ingento Negative Rack—designed especially for professional use. Its full capacity is forty-two negatives—any size can be accommodated from 14x17 inches down to lantern slide size. The fluted rack boards hold the negatives apart, permitting free circulation of air. Will accommodate glass plates and cut film when mounted in hangers. The end framework is of cast metal, attractively enameled. The plate rests are of heavy hard wood, with uniformly spaced grooves about ½ inch apart. measures 24 inches long over all and is fitted with a center trough to catch the draining water.

No. 2 INGENTO RACK WITH TROUGH, EACH. **$2.50**

Specify Number 7502R when ordering

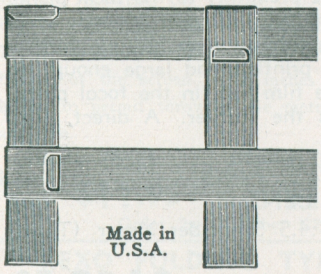
IDEAL NEGATIVE RACK

To the right in the illustration above, is shown the Ideal Negative Rack.....The No. 1 is by far the best medium priced rack on the market. It is substantially built, has three corrugated bars to hold the negatives, and is made of nicely finished cherry. This rack is supplied with a trough to catch the drippings from the negatives while drying, and has a capacity of 24 plates. The Nos. 2 and 3 are constructed lighter. No. 2 has a capacity of 24 plates and the No. 3 accommodates 12 plates. They are furnished without trough, and are made of hard wood, oil finished. These racks have two corrugated bars for holding the negative.

No. 1, Each	No. 2, Each	No. 3, Each
$1.00	80c	70c

Specify Number 7503R when ordering

METAL BORDER PRINTING MASK



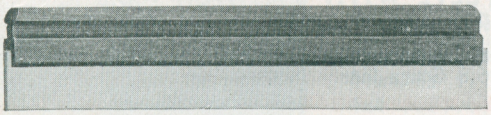
Made in U.S.A.

This is an adjustable metal border that can be used in any printing frame or machine. It is fitted with thin, movable metal bands for making white bordered prints. Sizes listed indicate outside measurements.

4x5 in. each **50c**
4x6 in. each **60c**
5x7 in. each **60c**
8x10 in. each ... **75c**
11x14 in. each .. **90c**

Order by No. 7504R

IDEAL RUBBER SQUEEGEES

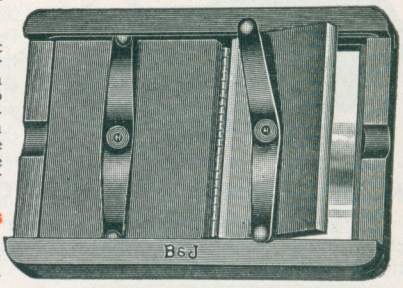


Suitable for all photographic purposes. Made of finest quality red rubber. You will like the "feel" of the hard wood black enameled handle. Available in 8 or 12 inch lengths.

8" Size Price Each .. **60c** | **12" Size** Price Each .. **$1.00**

Specify Number 7505R when ordering

REXO AMATEUR Printing Frames



Sturdily constructed light weight printing frame for amateur use. Made with steel countersunk piano hinge clear across, giving maximum strength and attractive appearance Heavy spring clips assure perfect contact of paper and negative.

Complete With Glass in 4x5 and 4x6 sizes only. Note the 4x6 is a convenient new size which also takes post card, etc.

4x5 in. WITH GLASS Price each	54c	4x6 in. LESS GLASS Price each	39c
4x5 in LESS GLASS .... Price each	34c	5x7 in. LESS GLASS Price each	85c
4x6 in. WITH GLASS Price each	54c	8x10 in. LESS GLASS Price each	$2.65

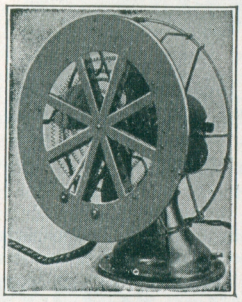
Specify Number 7507R when ordering

EXTRA HEAVY WEIGHT Extra heavy double weight printing frames. Made with full length piano hinge and with extra strong back springs. Dovetail construction assures long life; natural varnish finish.

4x5 INCH SIZE Less Glass	5x7 INCH SIZE Less Glass	8x10 IN. SIZE Less Glass	11x14 IN. SIZE Less Glass
PRICE EACH 75c	PRICE EACH $2.00	PRICE EACH $2.65	PRICE EACH $5.75

Specify Number 7508R when ordering

Electric Hot Blast Fan Attachment



• SPEEDS UP DRYING • MAY BE INSTANTLY ATTACHED TO ANY ELECTRIC FAN •

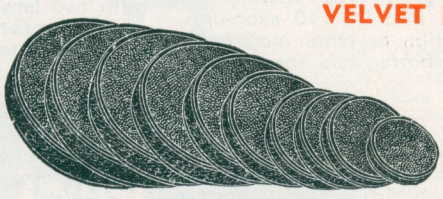
A specially designed coiled heating element that attaches to any fan. Provides a blast of hot air, ideal for the quick drying of plates and negatives. Does not give off fumes nor affect the air in the drying room. It dries by having a current of air pass through the heater from the fan. May be instantly clamped, by the aid of four wires, to the wire guard of any fan. Will operate on 110-120 volt A.C. or D.C.

Order by Number 7506R

Price Each **$2.79**

LENS CAPS – Protect Your Valuable Lenses

VELVET LINED—FINELY FINISHED



Well constructed lens caps of attractive appearance that will protect your valuable lenses. Finished outside in leather—inside with soft velvet. Eliminates scratches, dust, etc. When ordering give the exact outside diameter of your lens barrel.

Inside Diameter		Each
5/8"	16mm.	.50
1 1/16"	27mm.	.50
1 1/8"	29mm. Foth size	.50
1 1/4"	32mm.	.50
1 7/16"	37mm.	.50
1 5/8"	42mm.	.50
2"	51mm.	1.00

Specify Number 7509R

Studio and Trimming Room Shears

For General Service



Designed for general service in and around the studio and finishing room. Measures 12 inches overall. Hard, sharp and durable cutting blades. They run smoothly. In fine nickel finish, with brass bolt, nut and washer for adjustable blade tension. Handles finished in durable black enamel. One or two pair should be in every studio.

Price each, only **75c**

Specify Number 7510R when ordering.

THE REXO 5x7 CONTACT PRINTER

EASIER AND FASTER IN OPERATION

WITH ADJUSTABLE MASKING BANDS

Incorporates many new features permitting fast, efficient operation. Masking bands maintain perfect alignment at any size of adjustment, assuring prints with even white margins. Special one piece pressure pad assures perfect contact of print and negative. Automatic switch turns exposure lights on when pressure pad is brought down to contact — cuts them off when released. A ruby safelight enables the operator to easily place both negative and paper in proper position for printing. A special ground glass diffusing screen is built-in with an open aperture at the side of the printer, enabling the operator to dodge, vignette or control the light intensity for uneven negatives. Adjustable paper guide may be set to provide any desired size of print margin.



• WITH NEW TYPE ONE PIECE PRESSURE PAD •

TAKES SINGLE OR STRIP FILM — 35mm. to 5 x 7

The Rexo 5x7 printer will accommodate single or strip negatives from 35mm. to 5x7 holding the edges down firmly. Single negatives are placed under the masking bands when printing whereas negatives in strip form may be inserted under the bands and drawn through for each successive negative — takeup spools being provided on each side of the printer.

The Rexo is sturdily constructed of seasoned hardwood, stained and varnished dark mahogany. A special one-piece top speeds up operation and insures negatives being held firmly in place. Here is a contact printer that will prove a worthwhile and attractive addition to your darkroom equipment.

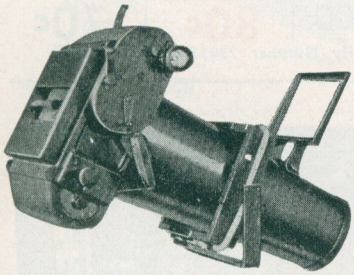
PRICE EACH, LESS BULBS **$8.95**

4 C. P. Ruby Lite for Printer.
Price Each 25c

40 Watt A19 Frosted Bulb for Printer (2 necessary).
Price Each 47c

Order by Number 7609R

FOLMER-AERIAL CAMERAS-FAIRCHILD



FOLMER AERIAL CAMERA TOPOGRAPHICAL MODEL K-5

Designed for mapping and all types of vertical and oblique photography. The sturdily constructed aluminum body is streamlined to break wind resistance. The focal-plane shutter consists of a high speed curtain set in close proximity to the focal plane. Its speeds range from 1/60 to 1/280 second. Complete with 12 and 20 inch cone, the camera may be used for low altitude oblique photography or high altitude vertical shots. The 7x9 inch picture size is ample for contact printing and large enough to permit tremendous enlarging. A vacuum back holds the film flat, in the focal plane, during exposure. The film advance automatically sets the shutter. A direct, peep sight, view finder fastens to either cone.

MODEL K-5 with 12 and 20" CONES, Less Lens

Complete camera with 12 and 20 inch cones, in specially constructed trunk case. Lenses not included. An exceptional value.

Order by Number 7601R
Price Each **$325.00**

COMPLETE with 20" F:6.3 B & L TESSAR Lens

Complete camera as described above but including a 20 inch Bausch and Lomb Tessar lens. (Less 12 inch cone.)

Order by Number 7602R
Price Each **$395.00**

COMPLETE WITH 8¼" F:4.5 SCHNEIDER XENAR LENS

Complete with 8¼ inch F:4.5 Schneider Xenar (Tessar type) lens.

Order by Number 7603R
Price Each **$469.50**

COMPLETE WITH 8¼ INCH F:6.8 GOERZ AEROTAR LENS

Complete camera as described above but with an 8¼ inch F:6.8 Goerz lens.

Order by Number 7604R
Price Each **$439.50**

FAIRCHILD AERIAL CAMERA

MODEL K-3B AUTOMATIC CAMERA

The Fairchild Aerial Camera was designed for oblique, vertical and mapping photography. Listed below are automatic and semi-automatic cameras, each equipped with detachable and interchangeable magazines, suspension mount and detachable motor, and hand grips. The interchangeable magazines each accommodate film for 110 exposures. May also be equipped with cut film or plate magazines. The highly efficient focal-plane shutter has speeds from 1/50 to 1/150 second.

MODEL K-3B with 8¼" GOERZ AEROTAR LENS

Complete camera with 8¼ inch F:6.8 Goerz Aerotar lens, between-the-lens shutter, detachable interchangeable magazine, suspension mounts and trunk style field case. Camera has connection for intervalometer and 12 volt motor.

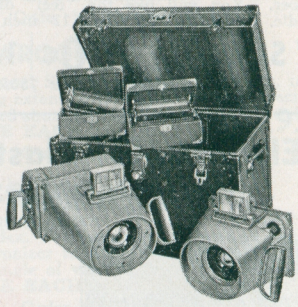
Order by Number 7605R
Price Each **$635.00**

MODEL K-3B AUTOMATIC CAMERA with 8¼" F:4 ROSS WIDE ANGLE XPRESS LENS

Complete camera as described above but with a 1/50 H.P. 12 volt 10 amp. motor and intervalometer (a device for tripping the camera shutter at regular predetermined intervals.)

Order by Number 7606R
Price Each **$695.00**

MODEL 14 5 x 7 CAMERA



FINE LENS EQUIPMENT

Camera is complete with two lenses and two cones, instantly interchangeable to meet the requirements of any aerial job. The between-the-lens shutter operates from 1/50 to 1/150 second. Each lens cone is fitted with a direct vision finder and swivel "full grip" handle.

WITH TWO LENS CONES and TWO ROLL FILM CARRIERS

Lenses included are a 9¾ inch focus Bausch and Lomb Tessar of F:4.5 aperture and a 6 inch F:4.5 Carl Zeiss Tessar individually mounted in infinity set cones. Complete with trunk style case. Outfit has been used but is in new condition throughout.

Order by Number 7607R. Price Each ... **$295.00**

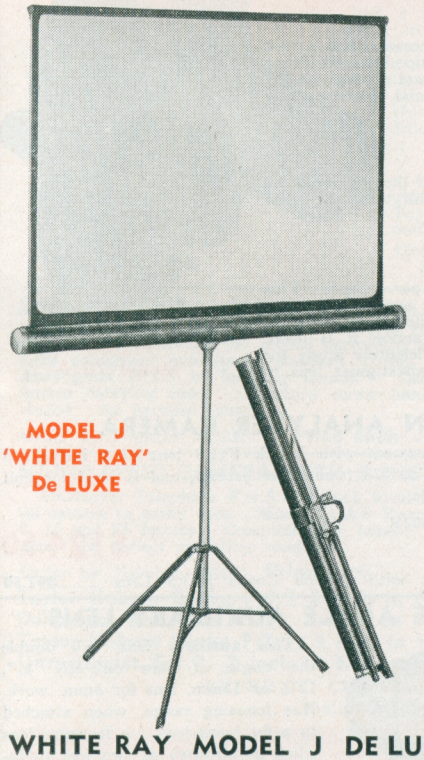
FAIRCHILD CYCLOPS 5x7 AERIAL CAMERA

Equipped with 9¾ inch F:4.5 Schneider Xenar lens and direct vision glass finder. Has ten progressive speeds ranging from 1/50 to 1/200 second in 1/15 second progressions. Complete with special Graflex 5x7, 12 septum cut film aerial magazine. Measures 14¾x10¼x14 inches overall, weight 19 lbs. 8 oz. In perfect condition, with case.

Order by Number 7608R
Price Each **$295.00**

TERMS — Cash With Order. No C.O.D. or Charge Accounts

• Motion Picture Screens and Accessories •



MODEL J
'WHITE RAY'
De LUXE

FOR PROFESSIONAL LIKE PROJECTION

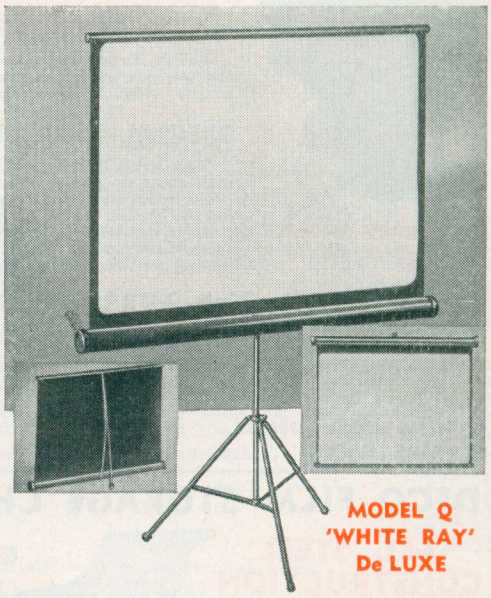
To show your reels to best advantage it is necessary that a good, properly designed screen be used. The reflective quality of a good screen brings out the full tone scale of your films — adds to the life-like brilliance of your pictures.

BEADED SURFACE SCREENS

White Ray De Luxe Screens have an approved, highly reflective beaded surface. They are available in two popular styles and a wide variety of sizes to meet individual requirements. They represent a new achievement in screen research, design and manufacturing technique. They are ingenious in their mechanical design — simple to set up and use. They are extremely compact and light in weight. They are unsurpassed for brilliant, wide angle projection — for lasting whiteness and for dependable performance. They are ideal for critical amateur and professional use.

TRIPOD STANDS

White Ray Screens are furnished complete with tripod stand — requiring but a few seconds to set up ready for projection. Their unique design permits them to be compactly folded for convenience in storing and portability.



MODEL Q
'WHITE RAY'
De LUXE

WHITE RAY MODEL J DE LUXE SCREEN

The Tripod Folding Screen is ideal for universal use almost anywhere. A screen and special tripod combined in one compact unit that is readily portable and easily and quickly set up for projection. It has an adjustment in height from one to eighteen inches. The bottom of the screen is 42 inches from the floor, and has ample height to permit throwing the picture over the heads of the seated audience.

30x40 INCH	36x48 INCH	39x52 INCH
Price Each .$11.95	Price Each .$17.50	Price Each .$19.95

Order by Number 7701R when ordering

WHITE RAY MODEL Q DE LUXE SCREEN

May be used in any one of three ways: (1) on its own tripod, (2) in its metal case with bracket for mounting on wall, (3) with easel for use on table. The screen proper is mounted on a spring tension roller tube, housed in an attractive black crackle finish metal case. The heavy duty screen roller provides constant tension keeping the screen surface perfectly smooth and wrinkle free. The tripod is of light weight steel with formed double wall legs. Rubber feet prevent slipping and moving. Center tubing is ⅝ inches in diameter, with ⅜ inch diameter extension rod. Screen proper has heavy beaded surface with high reflecting quality. Will not crack, peel or discolor.

30x40 INCH	40x40 INCH	36x48 INCH
Price Each . . $9.50	Price Each .$11.95	Price Each .$14.50

Order by Number 7702R when ordering

REXO FOLDING TYPE SCREENS



BEADED SURFACE

These highly efficient beaded screens provide a perfect, brilliant projection surface. Screen proper is mounted on a spring roller, which in turn is mounted in an attractive leatherette covered case which also acts as a base for the screen when erected. The screen is reinforced with folding steel arms, when extended to hold the screen perfectly taut — wrinkle and sag proof.

SPRING ROLLER

The high quality and unique design of the case provides for utmost convenience. In erecting the screen you just draw it up to full height — then by releasing the spring catch it rolls up compactly into its long narrow leatherette case. The use of a beaded screen will impart a new enjoyment to your movies.

Order by Number 7704R when ordering

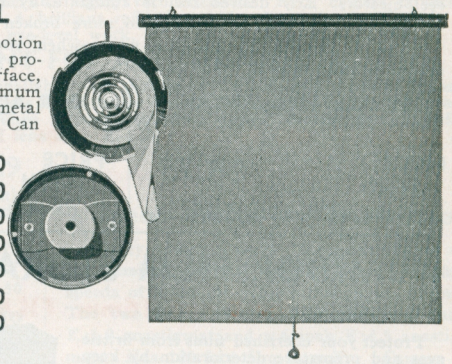
22x30 Inch Each	$13.50
30x40 Inch Each	16.50
36x48 Inch Each	19.50
39x52 Inch Each	23.50

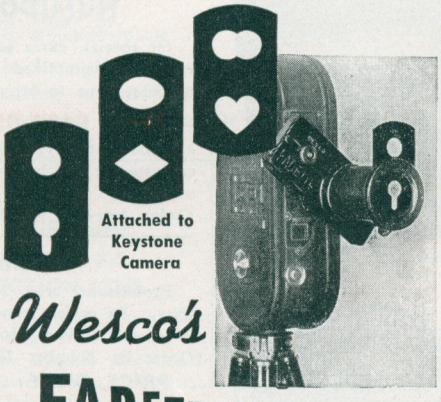
REXO "ROLL-UP" MODEL

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 screen rolls up in a metal case — easily handled and instantly erected. Can also be used for stereopticon projection.

3½x3½	$ 5.60
4x4	6.90
5x5	11.60
8x8	32.60
10x8	60.60
12x9	92.50
15x12	143.00

Order by Number 7703R when ordering





Wesco's
FADETTE
combined with
FADE-O-MASK

FOR PROFESSIONAL MOVIE EFFECTS

FADETTE This new Wesco Fadette is actually three accessories in one as it combines a Vignette, a Sunshade and a Filter Holder. May be used on both 8 and 16mm. cameras. Produces a rectangular fade in and fade out at any speed. Durably constructed of Bakelite with only five moving parts. Complete with Cable Release, Filter Holder and Case. Specify make, model and lens of camera when ordering.

PRICE EACH $5.95

Adapter for Eastman Cameras, Extra ...75

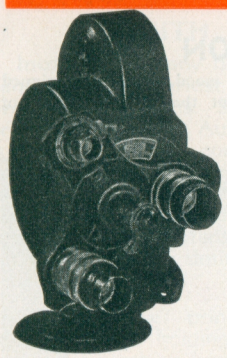
Order by Number 7705R when ordering

FADOMASK Set of three double masks, providing six shapes in all, for use in the Wesco Fadette. They are furnished with a durable holder which interchanges with the filter holder of the Fadette unit. Provides an unlimited range of novel effects to express the thought or character of the scene being photographed.

PRICE PER SET $2.50

Order by Number 7706R when ordering

BELL & HOWELL 16mm. FILMO CAMERAS



TURRET FRONT
FILMO Model 70-B

FOR PERFECT HOME MOVIES

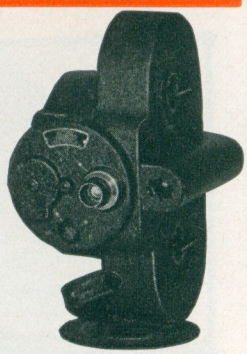
Bell & Howell Filmo cameras provide the amateur 16mm. movie operator with a unit comparable in quality and performance, to the finest professional equipment. All Filmo cameras have a film capacity of 100 feet and are fitted with an accurate footage gauge. The heavy, spring driven motor has its speed controlled by a special governor that assures uniform film speed during exposures.

FINEST CONSTRUCTION

Bell & Howell Filmo cameras are of the finest precision construction throughout. All the working parts are accurately machined and fitted. Equipped with telescopic view finder. Attractively finished in black crystalline lacquer.

SPECIAL HIGH SPEED 70-B

This specially designed high speed camera operates at 128 frames per second. This high speed operation arrests action in fast moving objects—and when such pictures are projected at the standard speed of 16 frames per second, ultra slow motion is projected on the screen. For analyzing golfers' swing—or any other sport action it is ideal. In industrial use, it slows up those fast operations—permitting a leisurely study for their improvement. The camera is fitted with a high speed F:1.3 anastigmat lens to permit well exposed pictures at this high operating speed.



FILMO
Model 70-A

FILMO MODEL 70-B TURRET FRONT

For 16mm. cine film — speeds of 12, 16 and 24 frames per second. Spider type turret — instant interchange of lenses. Complete with 1 inch Cooke F:3.5 lens, and two blank lens sockets for your own lenses. Takes standard Filmo mounted lenses without fitting. Complete with case.

Order by Number 7801R
PRICE EACH **$79.50**

FILMO ACTION ANALYZER CAMERA

Model 70B Filmo camera with Laack F:1.3 lens of 1 inch focal length. Stops motion at 128 frames per second, and is ideal for golf or sport action analysis.

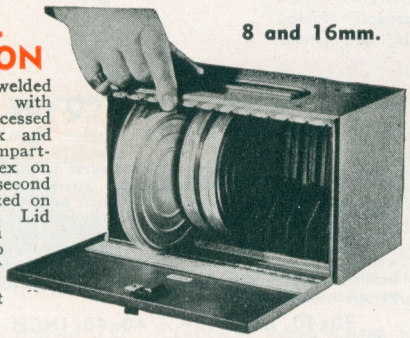
Order by Number 7802R
PRICE EACH **$124.50**

Same as above but with 1 inch Cooke F:3.5 Lens $97.50

DECO FILM STORAGE CHESTS

ALL STEEL CONSTRUCTION

Of finest all steel welded construction and fitted with such refinements as a recessed folding handle and lock and key. Uniform reel compartments face a handy index on the drop door—and a second removable index is mounted on the front of the chest. Lid operates on a full length piano hinge. Will keep your cherished films free from dust and properly indexed—ready for instant use.



8 and 16mm.

AUTOMATIC PUSH BUTTON EJECTOR

A unique feature of the DeCo chest is the automatic push button reel ejector. Any desired reel is automatically ejected when wanted by pressing the ejector release. No more broken finger nails or lost tempers in getting the reel you want—when you want it. In rich brown wrinkle finish.

FOR ALL 16mm. FILMS
HOLDS 12, 400 Ft. REELS
PRICE EACH **$5.75**
Order by Number 7803R

FOR ALL 8mm. FILMS
HOLDS 12, 200 Ft. REELS
PRICE EACH **$4.95**
Order by Number 7804R

HUMIDOR FILM STORAGE CANS

for 8 and 16mm. FILMS

Protect your cherished films from brittleness and premature deterioration by keeping them under the ideal conditions provided by a good humidor case. These cases are of steel construction throughout with an attractive black lacquer finish. A special moisture retaining pad maintains the correct degree of humidity to protect the films and to eliminate any tendency to brittleness due to lack of moisture. Has attractive oversize lock which is cadmium plated. Space is provided for cataloging the films and individual dividers keep each reel in its proper place. Films may also be kept in their individual cans for double protection. They quickly pay for themselves in the added life they impart to your films.



No. 128

FOR ALL 8mm. FILMS

No. 88. Holds 8 reels of 8mm. Measures 5¾x5½x5⅜". Weight 2 pounds. PRICE $2.00

No. 128. Holds 12 reels of 8mm. film. Measures 8¼x5½x5⅜". Wt. 3 pounds. PRICE $3.00

No. 1248. Holds 12 400ft. 8mm. reels and humidors. Measures 7¼ x8x11". Wt. 4 lbs. 2 oz. PRICE $2.75

No. 1848. Holds 18 400 ft. 8mm. reels and humidors. Measures 7¼ x8x16¼". Weight 4 lbs. 14 oz. PRICE $3.75

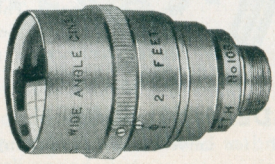
FOR ALL 16mm. FILMS

No. 168. Holds 8 reels of 16mm. film. Measures 8¼x7⅜x7¼". Wt. 4 pounds. PRICE $2.50

No. 1612. Holds 12 reels of 16mm. film. Measures 12½x7⅜x7¼". Wt. 5 pounds. PRICE $3.50

Order by Number 7809R when ordering

8mm. WIDE ANGLE AUXILIARY LENS



This auxiliary lens will double the angle of view on any ½", 12½ or 13mm. lens for 8mm. work. Has focusing range, when attached to a fix focus lens (or focusing lens when at infinity) of two feet to infinity. The wide angle lens is then used to focus the subject. Available for the following lenses; 12½mm. F:2.5 Taylor Hobson Cooke, 12½mm. F:3.5 B & H Anate, ½" Meyer for Bolex and F:1.4 B & H Taylor Hobson Cooke. Specify lens when ordering.

Order by Number 7805R
PRICE ONLY **$21.00**

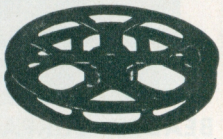
CINE EXTENAR WIDE ANGLE SUPPLEMENTARY



Cine-Extenar converts your regular 8mm. lens to a wide angle lens. Fits over your regular lens. Simply screw it on and, presto, you have an efficient wide angle lens which doubles your 8mm. field of view! Does not affect exposure, focus, or definition, in other words, if you have a fast lens, CINE-EXTENAR transforms it into a wide angle lens of equal speed. All-American made, with finest optical and mechanical precision. CINE-EXTENAR gives perfect, wide angle results with convenience and economy. Makes one lens do the work of two. Ideal for interior shots with your fast lens — works indoors or out with lenses of any speed.

Order by Number 7806R
PRICE EACH **$25.00**

8 and 16mm. FILM REELS and HUMIDOR CANS



Of special, extra sturdy design. Reels are accurately constructed with new simplified film threading arrangement. Cans are of the humidor type to provide maximum film protection.

16mm. CANS OR REELS
400 foot capacity, reel or humidor can, specify which is wanted when ordering.
Order by No. 7807R **49c**

8mm. CANS OR REELS
200 foot capacity, reel or humidor can, specify which is wanted when ordering.
Order by No. 7808R **49c**

35mm. PROJECTION REELS

Professional type, 35mm. Projection reels of one thousand foot capacity. In perfect condition for use. Will fit such standard projectors as Acme, DeVry, Holmes etc.

Order by Number 7810R
PRICE ONLY **49c**

STEWART WARNER CINE FRONT

Converts the off-standard Stewart Warner lens mount to the standard 16mm. Filmo threads. Camera can then be fitted with wide angle, telephoto and high speed lenses. Requires only a few seconds to install.

Order by Number 7811R
PRICE EACH **$3.75**

Bell & Howell EYEMO Cameras



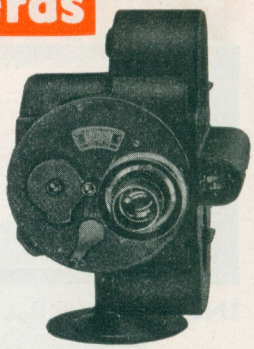
EASILY THREADED AND OPERATED

Bell & Howell 35mm. Sound Speed Eyemo Cameras enjoy an enviable reputation in semi-professional and professional motion picture field. Cameras have capacity for 100 ft. of film. Threading and daylight loading is simplified due to accessibility of parts. Cameras are attractively finished in black crystalline lacquer. All models are equipped with finders — footage meters, etc. Available in standard, slow motion and sound speeds at additional cost. Units are slightly used and are guaranteed in first class operating condition. See lens section for additional lenses.

TURRET FRONT MODEL 71-C EYEMO

A fine outfit for professional and semi-professional work—where a quick lens change is necessary. Turret front with two lenses, one 47mm. Taylor Hobson Cooke F:2.5 and one 75mm. Dallmeyer F:1.5. Outfit in perfect condition and fully guaranteed. Complete with case.

Order by Number 79O1R
Price each **$349.50**



SOUND SPEED CAMERA WITH 47mm. COOKE F:2.5 LENS

Model 71-AB Eyemo camera. Variable speed control with speeds of 8, 16 and 24 frames per second permitting operation at sound speed. Lens equipment consists of standard 47mm. (1⅞ inch) Cooke Cine Anastigmat F:2.5 in focusing mount. Camera comes complete in leather carrying case. Standard screw handle with wrist strap included. An excellent outfit.

Order by Number 7902R **Price each** **$164.50**

SOUND SPEED CAMERA WITH 6 INCH TELEPHOTO LENS

Dallmeyer Telephoto F:4.5 of 6 inch focal length adapts this beautiful camera to many uses. Model 71-AB Eyemo camera with speeds of 8, 16 and 24 frames. Complete with handle, wrist strap and carrying case. In perfect operating condition.

Order by Number 7903R **Price each** **$179.50**

Taylor Hobson Cooke F:4.5 6 inch in focusing mount, extra $74.50
Dallmeyer Telephoto F:1.9, 3 inch in focusing mount, extra $72.50
Taylor Hobson Cooke F:2.5, 3 inch in focusing mount, extra $54.50
Ultrastigmat F:1.9, 2 inch in fixed mount, extra $39.50

REFER TO CINE LENS SECTION FOR FUTHER SELECTION — Order by Number 7906R
ORDER BY NUMBER 7912R WHEN ORDERING ABOVE LENSES

With F:1.9 ULTRASTIGMAT and 6 IN. DALLMEYER F:4.5

Sound speed Eyemo 71-AB with speeds of 8, 16 and 24 frames per second. Fitted with 2 inch Ultrastigmat F:1.9 and Dallmeyer Telephoto lens F:4.5 of 6 inch focal length. In solid leather carrying case. Other lenses available if desired in addition. In guaranteed perfect operating condition.

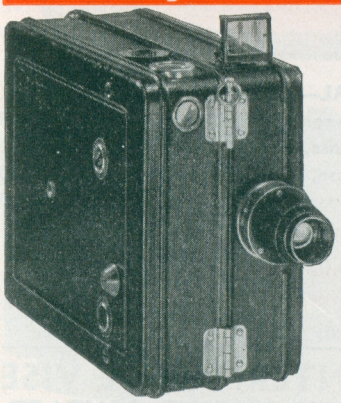
Order by Number 79O4R **Price each**..... **$184.50**

SOUND SPEED EYEMO CAMERA WITH TWO LENSES

Model 71-AB Sound Eyemo with operating speeds of 8, 16 and 24 frames a second. Equipment includes one 2 inch F:2.5 Cooke normal angle lens and one 6 inch F:4.5 Telephoto. Complete with wrist strap and handle. A fine outfit for professional news reel work. An excellent value at this special price.

Order by Number 7905R **Price each** **$219.50**

DeVry 35mm. MOTION PICTURE CAMERAS



• FOR PROFESSIONAL 35mm. WORK •

Standard DeVry Automatic 35mm. Professional type cameras having a 100 foot film capacity. Of finest mechanical construction throughout with powerful motor. Will drive 55 feet of film at one winding without variation in camera speed—ample footage for the longest scenes. Camera is fitted with all essential adjustments—and easy accessibility to film threading mechanism. Camera is light in weight for easy portability—heavy enough to absorb all vibration and motion of the mechanism. These cameras are slightly used, but fully guaranteed.

For Sound Pictures

Any of the DeVry cameras listed here can be made available for the standard sound picture speed of 24 frames a second at an additional charge of $18.00 net.

FINE MECHANICAL DESIGN

DeVry Cameras are of sturdy mechanical construction. One entire side of the camera opens for threading, loading and cleaning operations. For news reel and expidition work where substantial design and sturdiness are essential the DeVry camera is highly recommended. Each camera is fitted with two view finders. A brilliant reflecting finder for waist level work, a Newton type finder for eye-level work.

LENS EQUIPMENT FOR ALL PURPOSES

DeVry cameras are available with practically all standard types of lenses. In addition to the numbers listed below special lenses may be had for practically any purpose. When writing regarding special lenses please specify type and focal length of lens desired.

Fitted with 2 inch Lens F:3.5

DeVry standard 35mm. camera fitted with an F:3.5 Wollensak Velostigmat lens of 2 in. focus. Camera operates at standard speed of 24 frames per sec. Fine for all around use.

Order by Number 7907R **$69.50**

Same as above, but fitted with a 3 inch F:2 Bausch & Lomb Speed Telephoto lens. An excellent value.

Order by Number 7908R **$119.50**

Any of the cameras listed here may be had with special lens equipment. Upon receipt of information as to the type of lens desired, we will be glad to quote prices.

Fitted with 2 inch Lens F:1.9

DeVry standard 35mm. camera fitted with an F:1.9 American Anastigmat lens of 2 inch focus. Camera operates at standard speed of 16 frames per second.

Order by Number 7909R **$124.50**

Also with 24 frames per second.....$142.50

Fitted with 6 in. F:4.5 Telephoto

DeVry standard 35mm. camera fitted with a high speed 6 inch F:4.5 Dallmeyer Telephoto lens. Camera operates at standard speed of 16 frames per second. A real value.

Order by Number 7910R **$119.50**

TURRET FRONT DeVRY
4 Speed Model — Two Lenses

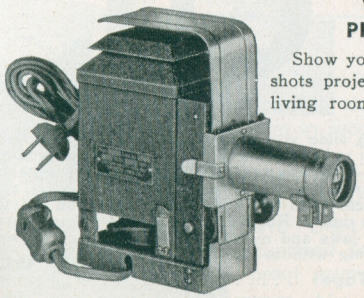
DeVry 35mm. Turret Front cine camera of the semi-professional type. Has operating speeds of 8, 16, 24 and 48 frames per second. The two lens turret is fitted with a 2 inch F:1.9 anastigmat and a 6 inch F:4.5 anastigmat. Has 100 foot film capacity. Camera is in perfect condition—cannot be told from new.

Order by Number 7911R **$194.50**

Hugo Meyer Kino Plasmat F:2, 40mm. in fixed focus mount fitted to above cameras, extra, ... $49.50
Goerz Telephoto F:4.5, 155mm. in focusing mount for De Vry Cameras, extra, ... $39.50
Dallmeyer Telephoto F:4.5, 150mm. in focusing mount for DeVRY, extra $49.50

ORDER BY NUMBER 7912R WHEN ORDERING ABOVE LENSES

SPENCER 35mm. PROJECTOR
For 35mm. Single Frame Strip Film



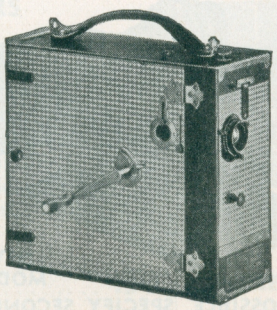
WITH FAST F:2 PROJECTION LENS

Show your friends those dandy 35mm. shots projected large sizes in your own living room. The Spencer projector for negatives saves the trouble of making slides and gives an unusually sharp, clear image. Lens focal length 1.97 inches. 100 watt, 110 volt projection bulb. Double condenser system. Ten foot cord and switch. A real value.

Order by Number 7913R
Price each **$7.95**

UNIVERSAL 35mm. M.P. CAMERA
STANDARD MODEL

Universal Professional Model 35mm. motion picture camera of 200 ft. film capacity. This is a standard model camera that has been thoroughly rebuilt and is guaranteed. It is fitted with 2 inch F:3.5 Anastigmat lens. Visual focusing direct on the film. Has forward and reverse mechanism with direct gear take-up. Complete with two magazines.



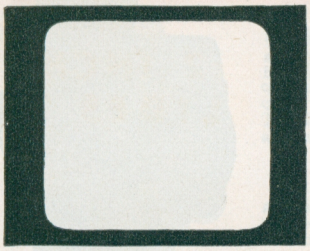
Order by Number 7914R **$49.50**
200 foot Magazine, each.....$7.85

Same as above but 400 foot capacity..... **$59.50**
400 foot Magazine, each.....$4.75

35mm. UNIVERSAL MOTION PICTURE TRIPOD—Has geared head with separate cranks for tilt and pan operation. In excellent condition.

Order by No. 7915R **$39.50**

• Burke & James Lantern Slide Mats •



INGENTO BRAND
CLOSEOUT

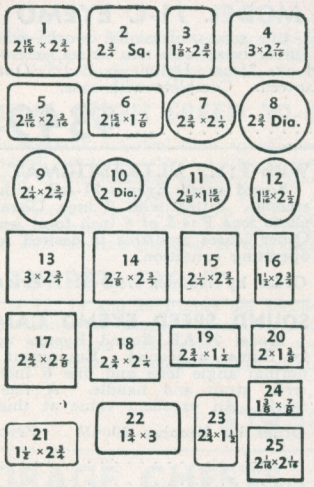
Ingento brand mats are made of fine flint glazed opaque paper, one side finished black, one side white. The white side is ideal for typing slide title number etc. Mats are accurately die cut and free from ragged edges.

Be sure to specify size number when ordering. Available only in the following numbers: 2, 6, 7, 8, 12, 16, 19, 20, 21, 22 and 23.

Pkg. of 25 Mats Price **17c**
1000 In Bulk (Not Ass'td.) $3.89
Order by Number 8001R

• SHAPES and SIZES •

Diagram below shows standard sizes and shapes of lantern slide mats. Dimensions given cover size of opening. Mats measure 3¼x4 inches outside. Note new sizes No. 24 (Leica) and No. 25 (Korelle Reflex, etc.) also 2"x2⅞ for 2¼x3¼ Kodachrome (not illustrated).





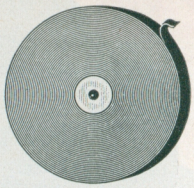
IDEAL BRAND

Ideal Lantern Slide Mats are made of a superior quality opaque and embossed paper of extremely tough composition. Dead black finish on both sides. Openings are accurately die cut with clean sharp-cut edges. They are available in all standard openings as illustrated to the left. When ordering be sure to specify number of opening desired. Outside measurements 3¼ x4 inches.

Pkg. of 25 Mats Price **25c**
Box of 100 Mats. Price....$1.00
1000 in bulk, any style (not ass'td.) **$4.50**
Order by Number 8002R

BINDING TAPE

800 FOOT ROLLS • ½ INCH WIDE



Large users of lantern slide binding strips will appreciate this new economy unit for stripping in continuous tape form. It serves many additional uses in the studio—such as masking negatives, etc. Roll consists of 800 foot length by ½ inch wide, heavy opaque black paper, gummed on one side with a strong adhesive, especially prepared for use on glass.

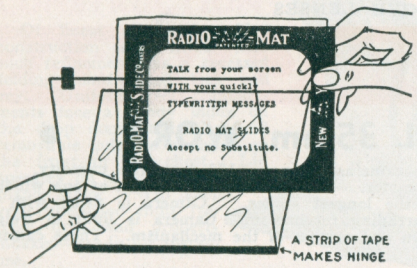
PER 800 FOOT ROLL, NET ONLY **40c**
Specify No. 8003R when ordering

BINDING STRIPS

The Ideal Binding Strips continue to be the only perfect strip on the market for binding lantern slides. Of perfectly opaque black paper, gummed on one side. Measure 15 inches long by ½ inch wide. They are packed 100 strips to the carton.

PACKAGE OF 100, NET ONLY..... **25c**
PER 1000, BULK, NET ONLY..... **$1.75**
Specify No. 8004R when ordering

RADIO MAT SLIDES



Prepare your slides instantly on the typewriter or by printing with pencil. Consists of standard size mat with center sheet of cellophane sandwiched between carbon paper. You just type the message on the carbon—remove carbon and back of mat. Then slip the cellophane into position with mat and mount between glass. A real time saver.

PER BOX OF 50 SLIDES, NET ONLY **$1.50**
Specify Number 8005R when ordering

LANTERN SLIDE COVER GLASS

Special glass particularly adapted for use as cover glass on lantern slides. Uniform in size and thickness. Free from imperfections such as stria, rust or waves. Will meet the most exacting demands of the amateur or professional lantern slide maker. The glasses are accurately cut to size and are furnished clean, ready for use.



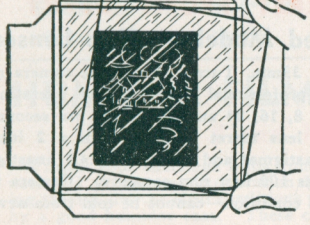
Fits Standard Projectors

They are available in the standard 3¼ x4 inch size and in the new popular 2x2 inch size. The larger size fits all regular lantern slide projectors—the 2x2 inch size is for 35mm. film slides and will fit all film slide projectors that accommodate mounted slides. Freedom from flaws and imperfections, eliminates the possibility of distortion in the projected picture.

SPECIAL—20 to 24 to the inch
Per Dozen, 3¼x4 in., net ...$ .35
Per Gross, Bulk, net 3.00
Per Case, (1108), net 16.00
Five Cases, net 55.00
Specify Number 8006R when ordering

2x2 Cover Glass, box of 36 ....$ .50
2x2 Cover Glass, pkg. of 100 .. 1.35
Specify Number 8007R when ordering

PROJECT-O-FRAME SLIDE BINDER



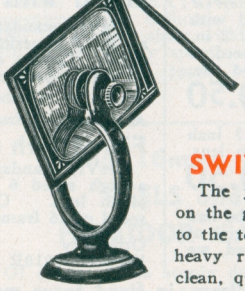
The Project-O-Frame slide binder consists of a piece of metal surfaced, gummed paper die cut and scored to provide mask and tape in one. They are made in the popular 2x2 inch size for use with 35mm. positives or color films. The metallic surface of the paper reflects the heat from the projection bulb, protecting your valuable slides from possible damage due to heat. A round die cut opening in the corner of the slide provides a practical means for indexing your subjects.

BETTER SLIDES IN LESS TIME

For completing a slide, you moisten the gummed surface of the Project-O-Frame and mount the glass on it in proper position. The film positive is then centered over the mask opening and the cover glass placed in position. The flaps are now turned over the cover glass to complete the slide. Project-O-Frame Slide Binders are real time savers—and they assure a perfect binding job every time.

Complete less glass. Specify No. 8008R
PRICE PER BOX OF 50 ..... **$1.00**

INGENTO LANTERN SLIDE VISE
GIVES PERFECT CONTACT



A convenient vise for holding lantern slides for binding. The vise jaws are rubber faced, with a knurled and threaded handle to provide pressure. Assures perfect contact between slide and cover glass.

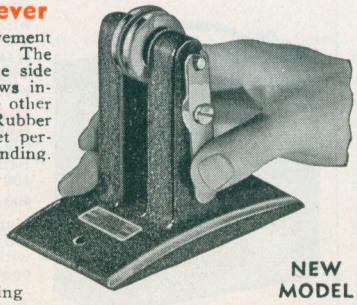
SWIVELS FREELY

The jaws while maintaining a perfect grip on the glass revolve freely, bringing each edge to the top for attaching the binding strip. Of heavy rugged construction. Indispensable for clean, quick work. A real value at this price.

Specify Number 8009R when ordering
PRICE EACH, ONLY **$1.69**

The New LUXOR Lantern Slide Vise
With Quick Release Lever

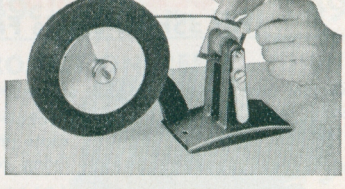
The first really practical improvement in a lantern slide vise in years. The quick release lever mounted on the side of the vise opens or closes the jaws instantly—with one hand leaving the other hand free to insert the slide. Rubber grippers hold the slide securely, yet permit it to revolve freely for binding. Heavy cast base in crystaline finish. Colored catalin grippers. A quality lantern slide vise.



NEW MODEL

PRICE EACH, ONLY **$2.50**
Specify No. 8010R when ordering

De Luxe LANTERN SLIDE VISE with TAPE HOLDER •



A quick acting lantern slide vise that holds the slide in perfect alignment and permits it to rotate freely for attaching the binding tape. The tape holding extension arm accommodates any type of binding tape- small or large, up to 7⅛ inches in diameter. Tape is held in perfect alignment with the slide. Will give you better, more perfect slides in less time. Ruggedly constructed of cast metal with colorful catalin vise jaws and nickel plated trim. You'll wonder how you ever got along without it.

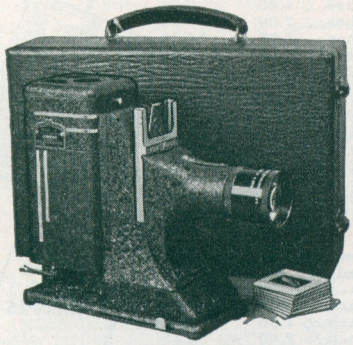
PRICE EACH (Less Tape) **$3.95**
800 foot Roll ½ inch wide gummed black tape.....40c
Specify Number 8011R when ordering

WHENEVER POSSIBLE, SPECIFY SECOND AND THIRD CHOICE WHEN ORDERING

MINIATURE AND TRI-PURPOSE PROJECTORS

FOR 35mm. FILM SINGLE-DOUBLE

FOR ALL 2x2 INCH GLASS SLIDES

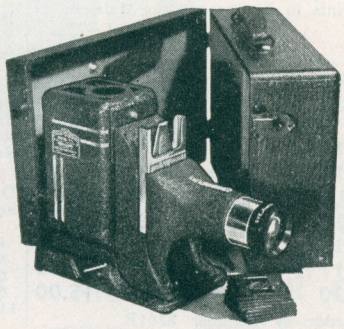


MODEL AK — 300 WATTS

This Miniature Model shows black and white or color film mounted in 2"x2" glass or Ready-Mounts, including single or double frame an Bantam. Equipped with 300-watt lamp, 5" anastigmat lens. Has a semi-automatic vertical slide changer which is quiet in operation; light is completely shut off as slides are changing. Slides are protected by scientific ventilation and efficient heat-absorbing glass. Complete with lamp, 5" series 0 anastigmat lens, semi-automatic vertical slide changer and leatherette carrying case.

WITH CASE PRICE EACH $55.00

Order by No. 8101R

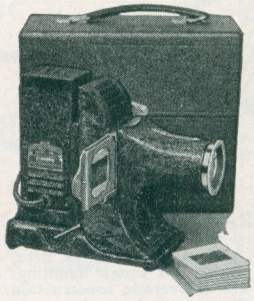


MODEL DK — 150 WATTS

This Miniature Projector shows slides in black and white or color mounted in 2"x2" glass or Ready-Mounts. Equipped with a 150-watt lamp and 5" anastigmat lens which provides bright and sharp definition over entire screen area. Semi-automatic vertical slide changer which is operated entirely from the top. Complete with lamp, 5" series 0 anastigmat lens, semi-automatic vertical slide changer, and leatherette carrying case.

WITH CASE PRICE EACH $45.00

Order by No. 8102R



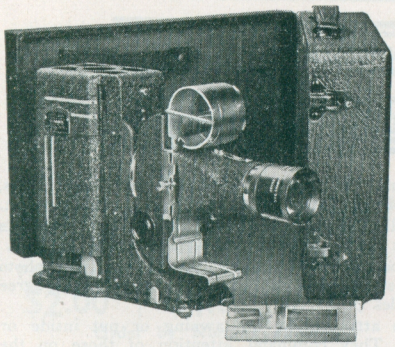
MODEL RK — 100 WATTS

This compact, easily carried unit shows brilliant, life-size images from black and white or color film mounted in 2x2 inches glass or Ready-Mounts. Equipped with a 100-watt lamp, 4 inch focal length Petzval lens. Has new, quiet horizontal slide carrier. Slide carrier can be easily removed and replaced with an S.V.E. semi-automatic vertical slide changer. Any of the two slide changers may be instantly attached to the projector without the aid of any tools. Complete with lamp, 4 inch series 0 Petzval lens, horizontal slide carrier, and leatherette carrying case.

WITH CASE PRICE EACH $31.50

Order by No. 8103R

ACCOMMODATES 35mm. ROLL FILM AND 2 x 2" SLIDES

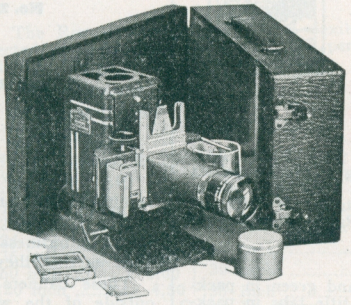


MODEL AAA — 300 WATTS

This Tri-Purpose Model shows single and double frame filmstrips and 2x2 inch slides. Equipped with a 300-watt lamp, and 5 inch anastigmat lens. Semi-automatic vertical slide changer operates entirely from the top. Time saving, S.V.E. rewind take-up (listed below) can be readily attached. Combination single and double frame mask provides side adjustment for centering picture. Complete with lamp, 5" series 0 anastigmat lens, semi-automatic vertical slide changer, single and double frame masks, leatherette carrying case.

WITH CASE PRICE EACH $65.00

Order by No. 8104R

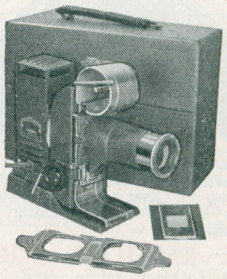


MODEL DD — 150 WATTS

This versatile model shows single and double frame film-strips and 2x2 inch slides. Equipped with a 150-watt lamp, 5 inch anastigmat lens. Semi-automatic vertical slide changer operates entirely from top. Time saving, S.V.E. rewind take up (listed below) can be readily attached. Framing device frames pictures on screen, easily changed from double to single frame operation — micrometer side adjustment centers pictures on screen. Complete with lamp, 5 inch series 0 anastigmat lens, semi-automatic vertical slide changer, single and double frame masks, leatherette carrying case.

WITH CASE PRICE EACH $55.00

Order by No. 8105R



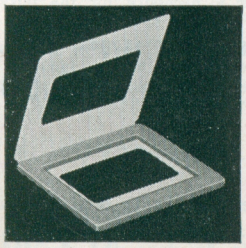
MODEL CC — 100 WATTS

Compact and light in weight this Tri-Purpose Model shows single and double frame filmstrips and 2x2 inch slides. Equipped with a 100-watt lamp, 5 inch objective lens. Features noiseless horizontal slide carrier for showing 2x2 inch slides mounted in glass or cardboard Ready-Mounts. Has two masks; one for single frame and one for double frame projection each with aperture glass. Rewind take up (listed below) is readily attachable. Complete with lamp, 5 inch series 0A objective lens, horizontal slide carrier, single and double frame masks, leatherette carrying case.

WITH CASE PRICE EACH $38.50

Order by No. 8106R

SVE SLIDE BINDERS



For Kodachrome and black and white transparencies. Specially designed for double frame 35mm. film. Binds film in seconds - just place film between glass, moisten and seal. The frame automatically centers the picture. The binder is practically unbreakable - the one-piece fiber cushion frame does not fray and is shock absorbent. Glass is thin, transparent, and clean. The tight gummed seal between cover and glass ensures dustproof assembly.

Special bulk package of 100 ..... $3.75

Package of 12 ..... .50

Order by No. 8107R



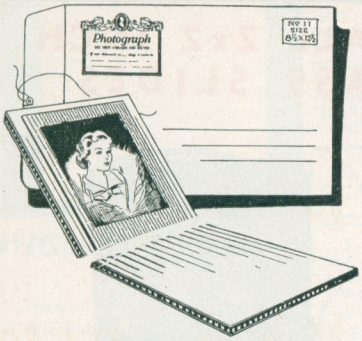
REWIND TAKEUP

Rewinds film as fast as it is shown —places it in its storage can and ready for the next showing. Keeps film clean — free from fingerprints. Fits DD, AAA and CC projectors.

COMPLETE WITH CAN $5.00

Order by No. 8108R

INGENTO PHOTO MAILERS



WITH NEW DOUBLE SEAL FEATURE

When mailing prints they should have the protection of Ingento Photo Mailers. These mailers assure safe delivery of the print. The outer envelope is of extra tough kraft paper—made with the double seal feature, the flap being both gummed and fitted with a string fastener. Inside the envelope picture rests between two thicknesses of high grade corrugated board of great tensile strength. You can safely trust your best prints in Ingento Photo Mailers.

No.	Picture Size	Net per Dozen	Net Per 50 Not Asst'd.	Net Per 100 Not Asst'd.
2	5½x 7⅝	$ .50	$1.90	$3.70
4	7½x 9½	.75	2.65	5.10
5	8¾x10½	.80	2.70	5.25
7	12½x14½	1.30	4.20	8.25
*8	10½x15	1.10	3.90	7.50
*9	6 x9¼	.50	1.90	3.55
11	8½x12½	.85	3.10	5.20
12	13 x17½	1.55	5.50	10.00
14	16 x20	1.90	7.60	15.00

Order by Number 8201R

GUARANTEE—Ingento Photo Mailers will carry your prints safely. They are built to withstand abuse and rough handling. They are of oversize construction and will accommodate prints up to the full size of the envelope listed. Items marked * are priced for quick clearance. A limited quantity. Subject to prior sale.

ENVELOPES

INGENTO NEG. PRESERVERS

Of finest super-strength kraft paper.

Size	Net 500	Net 1000
3¼x4¼ inches	$1.65	$3.10
3¼x5½ inches	1.75	3.20
4x5 inches	1.95	3.70
5x7 inches	2.55	4.90
8x10 inches	4.45	8.70
10x12 inches	7.00	12.65
11x14 inches	7.95	14.35
14x17 inches	10.95	19.90

INGENTO GLASSINE ENVEL'S

No. 5 is open end, ungummed flap; the others are open side without flap.

	Size, in.	Net 100	Net 500
No. 1.	4⅛x 6¼	$ .65	$2.95
No. 2.	4¼x 6¾	.85	3.70
No. 3.	5¼x 7⅝	.90	4.05
No. 4.	8⅛x10⅜	1.20	5.50
No. 5.	11⅛x14½	2.15	10.15

INGENTO KRAFT Envelopes

Of super strength Kraft paper with heavy gummed flap, open end.

Size	Net 500	Net 1000
4⅛x 6¼ inch	$1.60	$2.90
4⅝x 6¾ inch	1.90	3.05
5⅛x 8¼ inch	2.40	3.15
8⅛x10½ inch	3.35	4.75
11½x14½ inch	5.55	9.00

Order by Number 8202R



DEALERS NOTE — Special Mailer Display Cabinet. A real sales producer. Outfit holds 24 assorted mailers. Price Each .... Net $1.25



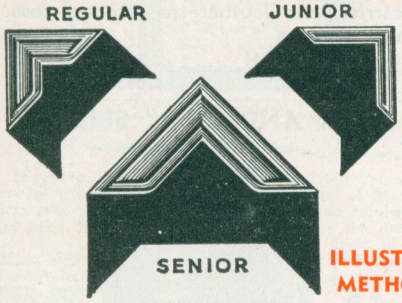
CELLOPHANE ENVELOPE PRESERVERS

An innovation in negative preservers. Made of clear transparent cellophane. It permits free inspection and identification of negative without removal from envelope. Eliminates finger prints, scratches, etc. It provides one of the most convenient means yet devised for the orderly arrangement and filing of negatives.

Order by Number 8203R

SIZE	NET PER 100	500	1,000
2 x9¼ in. (Leica)	$ .80	$3.80	$7.40
2½x3¾ in.	.70	3.30	6.40
2¾x4¾ in.	.75	3.55	6.90
3¾x4¾ in.	.80	3.80	7.40
4¼x5¼ in.	.90	4.30	8.40
5¼x7½ in.	1.20	5.80	11.40
8¼x10¼ in.	2.50	11.00	21.00

NuACE MOUNTING CORNERS





ILLUSTRATIONS SHOWING METHOD OF MOUNTING

The NuAce Corner is an artistic device for holding prints, snapshots or post cards in albums or elsewhere. Made in the form of a pocket—no folding or paste necessary. NuAce is made of strong Kraft paper, backed by strong, quick sticking odorless glue. Prints may be removed at will.

NuACE REGULAR CORNERS

Available in black, white, grey, ivory, sepia; red and green in packages of 100; gold or silver in packages of 60; also title tabs in packages of 50.

NuACE SENIOR CORNERS

Packed 40 to a package except Gold and Silver which are packed 24 to a package. A very fine large corner for sample prints, etchings and paintings.

NuACE TRANSPARANT CORNERS

The new invisible style is also available at price shown below. Unit packages of 80.

LIST PRICE (any type) PER PACKAGE 10c

NuACE HINGES

The new popular method of mounting prints in albums to conserve space. The hinges permit the overlapping of one print upon another, the hinged feature allowing for each print to be raised for view separately. Made of heavy black kraft paper, gummed and folded. Packed approximately 35 to an envelope.

PER PACKAGE OF 35 HINGES, EACH Order by Number 8204R **10c**

SCROLETTE DISPLAY STANDS — Closeout



The modern way to show your pictures. Consists of spring scroll which may be unrolled to clasp the picture at top and bottom. Adjustable for sizes. Gives full presentation to picture. The 5x7 inch size will accommodate mounts up to 9 inches. The 8x10 inch size will accommodate mounts up to 14 inches. May be set on table or hung on wall. Each unit is furnished complete with acetate sheet for mounting photograph. Available in two sizes and finished in natural bronze or satin chrome. Specify size and finish desired when ordering.

5x7 INCH. EACH ..... 47c | **8x10 INCH EACH 67c**

Order by Number 8206R

PHOTO FINISHING BANNERS

IN RED AND WHITE — 6 FEET LONG



They tell the full story at a glance. All are red backgrounds, white lettering. Made of the finest sign cloth with sun-proof paint.

No. 24 is our best selling and most popular banner. It produces results for the store that places it in a conspicuous place.

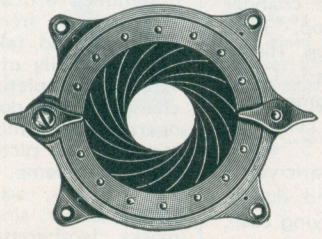
No. 220 also will produce real sales results especially for photo finishing business. Try some of these and we know you will agree with us that they are sales producers.

These banners can be attached to the awning or put inside or outside of the window. They command attention of those on the street. These banners are ready for shipment; carried in stock; immediate deliveries.

Order by Number 8205R

Price each 47c

REXO IRIS LENS HOLDER



PERMITS INSTANT INTERCHANGE OF LENSES

MOUNTS DIRECTLY ON LENS BOARD

The Iris Lens Holder permits the use of varying 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 holder 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 Holder a necessity for the busy photographer.

No. 2 IRIS LENS HOLDER — For lenses ¾ to 3⅛ inches in diameter.

Price each $8.50

No. 3 IRIS LENS HOLDER — For lenses 1 to 4 inches in diameter.

Price each $10.00

No. 4 IRIS LENS HOLDER — For lenses 1¼ to 4¾ inches in diameter.

PRICE EACH $12.50

Order by Number 8207R

CONDENSING LENSES • CAMERA ACCESSORIES

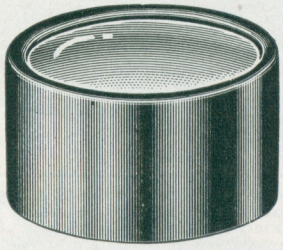
REXO
FIRST QUALITY LENSES
GUARANTEED PERFECT

First quality lenses, guaranteed free from flaws and imperfections. Recommended for all types of optical systems, especially in projection work. Each lens is individually wrapped and comes to you ready for use. They cover negative sizes as listed under condensing lenses at the left.

1½ INCH DIAMETER. PRICE EACH	75c
2 2/5 INCH DIAMETER, 3 INCH FOCUS, EACH	$1.35
3 INCH DIAMETER, 4½ INCH FOCUS, EACH	$1.85
3½ INCH DIAMETER, 5 INCH FOCUS, EACH	$2.25
4 INCH DIAMETER, 6½ INCH. FOCUS, EACH	$2.75
14 INCH DIAMETER, 21 INCH FOCUS, EACH	$72.00

Order by Number 8301R

CONDENSING LENSES
MOUNTED—MINIATURE

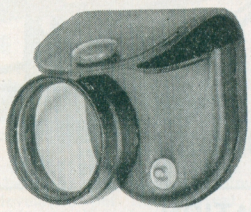


Special miniature condensing lens assemblies, ready mounted and properly spaced for use in miniature enlargers or projectors. Consist of two plano-convex lenses in mounts, ready for use. These lens assemblies are guaranteed new and perfect in every way.

Style No. 2	Style No. 3	Style No. 4
Will cover 16 35mm. film sizes 1½ inch diameter.	Covers 16 to 35mm. and larger. Diameter 2-2/5".	Covers Leica and Half V.P. size film. 3 in. diameter.
Price Each	Price Each	Price Each
$2.00	$4.00	$5.15

Order by Number 8303R

TELEPHOTO SLIP-ON LENSES

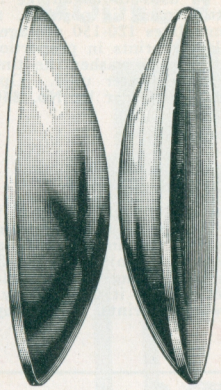


Slip the Rexo Telephoto attachment over your regular lens, extend the bellows and see the remarkably clear, large pictures you may obtain of distant objects. These Supplementary lenses are not for fixed focus, Graflex, Argus, Perfex, or other cameras having short bellows extension, but only for cameras having a double extension bellows. Invaluable for pictures of birds and nature studies of life which might otherwise be frightened away.

In ordering, be sure to specify the exact diameter of the lens barrel, outside measurement, in inches and millimeters.

No. 3T, 29mm. Dia., Lens only..75c
No. 15, 32.5mm. Dia., Lens only.75c
No. 4T, 29mm. Dia., Lens only ..75c
No. 16T, 37mm. Dia., Lens ony ..75c
Case for each of above 50c

Order by Number 8307R



PLANO-CONVEX

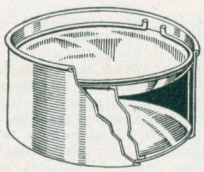
REXO
SECOND QUALITY LENSES
SLIGHTLY IMPERFECT

.....These condensing lenses are accurately ground and polished. They will be found much superior to the many types of lenses regularly offered. Especially constructed to be used as the optical equipment in all types of projection work.

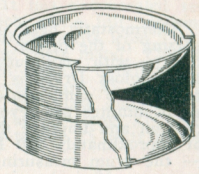
3½" size, frosted Flat Surfaced ,ea...	80c
4½" size, covers 2¼"x3¼", ea..	$1.50
5" size, covers 2¾"x4", ea...	$2.00
6" size, covers 4"x5", ea.....	$3.25
6" size, frosted Flat Surface, ea..	$2.75
6½" size, frosted Flat Surface, ea..	$3.00
7" size, frosted Flat Surface, ea..	$3.25
8" size, covers 4½"x6", ea...	$5.95
9" size, covers 5"x7", ea.....	$8.50
10" size, covers 6"x8"..	$16.50
12" size, covers 7"x9"..	$19.50

Order by Number 8302R

MOUNTS FOR CONDENSING LENSES



Specially constructed all metal mounts for condensing lenses. Their design securely maintains both lenses in proper plane with ample tolerance to provide for contraction and expansion due to the heat. Their use is indispensable in the construction of enlargers and optical systems as they provide a convenient means for maintaining the lenses in their proper position in the system. Mount illustrated at left is for lenses of 2 2/5, 3 and 4½ inch diameter. Mount illustrated at right is used for all other lenses listed.



2⅖ inch, Price each	$1.35
3 inch, Price each	1.45
3½ inch, Price each	1.75
4½ inch, Price each	2.00
5 inch, Price each	2.25
6 inch, Price each	2.50
6½ inch, Price each	$3.00
8 inch, Price each	3.00
9 inch, Price each	3.50
12 inch, Price each	3.75
14 inch, Price each	4.50

STATE SIZE DESIRED — Order by Number 8304R

FLEXIBLE CABLE RELEASES



The Rexo Antinous release is a flexible metallic connection to the shutter release. Unaffected by climate or temperature; no perishable materials are used, it does not easily get out of ordr, works without vibration.

For Compur and Compound Shutters

3¾ inch	$ .25
5½ inch	.35
9½ inch	.45
12 in. Compur	.50
20 inch	.90
24 inch	1.50
36 inch	2.00
60 inch	3.00
120 inch	4.50

For Ilex Shutters

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

6 in. or shorter	$ .25
12 inch	.50
20 inch	1.20
36 inch	2.00

For Leica and Korelle-Reflex Cameras

Specially constructed with binding screw to hold shutter open for time exposures. Furnished in four lengths only.

10 inch	$ .25
120 inch	4.50

For Wollensak Shutters

3½ inch	$ .25
6 inch	.35
12 inch	.50
60 inch	3.50
120 inch	4.50

For Rexo and Luc Front Shutters

14 inch	$1.00
24 inch	1.25
40 inch	1.50

Order by Number 8305R — State Size Desired.

ARMORFLEX METAL RELEASES

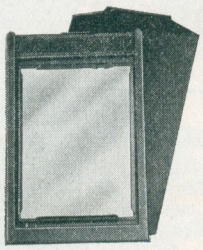
The all metal, All American, flexible cable release. The finest, strongest, most durable on the market.

The use of a high grade flexible antinous release is recommended as a means of eliminating vibration of the camera during exposure. In the longer lengths they provide a means for remote control of the shutter — even enabling the operator to make self-portraits.

8, 10 and 12 inch Compur, Kodak, Ilex, Betax ....$.75	12 inch Compur with Time Lock .....$.85	12 inch Leica with Time Lock $1.00

Order by Number 8306R when ordering

REXO 6.5x9 cm. CUT FILM HOLDER



Patented

The Rexo cut film holder features a built-in film sheath. Pressure springs hold the film in the focal plane of the camera. Releasing the small sheath-catch, allows the sheath to push forward for easy loading. All metal of sturdy construction.

Fits all standard 6.5x9 cm. (2½x3½) plate cameras, such as, Maximar, Recomar, Avus, Vag, Bergheil etc.

PRICE EACH $1.25

Order by Number 8308R

Perfection Range Finder

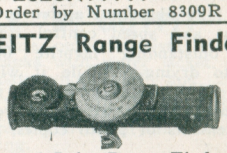


An outstanding short base type of range finder of optical prism construction to assure brilliancy of field with utmost accuracy. Ideal for all types of miniature cameras. May be mounted lengthwise directly to camera. With clip for mounting in tripod socket. Leather case.

Order by No. 2626N..... $4.25

Order by Number 8309R

LEITZ Range Finder



Standard Leitz Range Finder, of finest precision construction throughout. Guaranteed accurate.

"FOCOS" Short Base Price each	$10.50
Turret Clip extra	$1.50
"FOFER" Long Base Price each	$12.00
Extra Snap Clip	75c

Order by Number 8310R

PROFESSIONAL PHOTO FINISHING EQUIPMENT



GLOBE WASHER

PAKO GLOBE WASHER

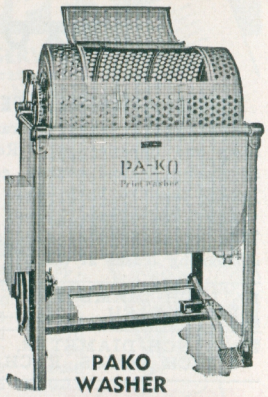
This smaller washer can be used to advantage in sink or on drain board. It occupies but little space, is portable, and has remarkable capacity for its size. Accommodates 120-150 average size amateur prints in one load. Also handles larger prints in proportionately smaller loads — up to 8x10 size. Like the large washer the time required to wash thoroughly depends on purity of water used. Operates with electric motor — simple and dependable. Order by No. 8401R when ordering.

WITH MOTOR PRICE EACH $90.00

PAKO PRINT WASHER

The Pako Print Washer is ideal for all classes of work. The cylinder is large enough to take care of large double weight stock. The arrangement of intake and overflow, in conjunction with a gentle rotation of the cylinder separates prints without injury to the finest surfaces. The foot treadle raises the drum for loading and unloading, leaving enough water to cover the prints yet making it unnecessary to plunge the arm into cold water to remove washed prints. Order by No. 8402R.

COMPLETE WITH MOTOR PRICE EACH $125.00



PAKO WASHER

PAKO ELECTROGLOSS DRYER

Photo finishing plants will appreciate the many new advantageous features found in this new Electrogloss Print Dryer. Economical in operation, using less than 1100 watts, when all electric units are burning — less current than an ordinary electric iron when dryer is in continuous operation for half an hour or more. The heavily insulated end walls of the drum conserve heat, reducing current consumption to a minimum.

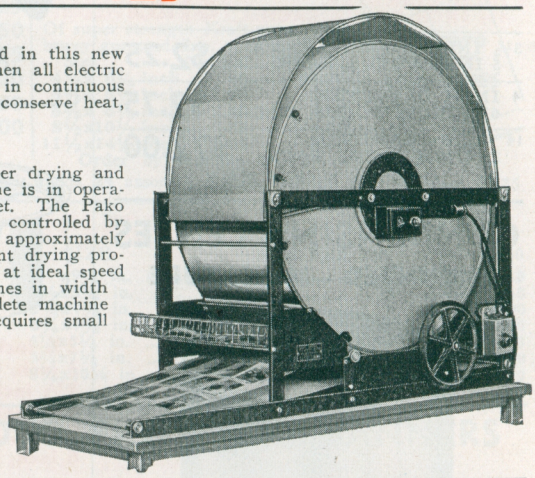
ALL ELECTRIC THERMOSTATIC CONTROL

Thermostatic heat adjustment keeps the drum at proper temperature for the proper drying and glazing of the prints. This assures minimum current consumption while the machine is in operation — with maximum efficiency. It may be operated from any electric light outlet. The Pako Electrogloss Dryer is recommended for glossy prints only. Its operating speed is controlled by rheostat to compensate for variations in paper stock. Normal speed of drum is approximately eight minutes per revolution. The Pako Electrogloss Dryer will speed up your print drying production and improve the quality of your finished prints. It has an hourly capacity at ideal speed of approximately 350 Kodak size prints per hour. Will handle prints up to 12 inches in width — the drum measuring 13 inches in width with a diameter of 30 inches. Complete machine measures 18 inches in width, by 47 inches long, and stands 36 inches high. Requires small floor space. Rigidly constructed with long life — heavy-duty heating elements. Operates from any electric light outlet. Order by No. 8404R when ordering.

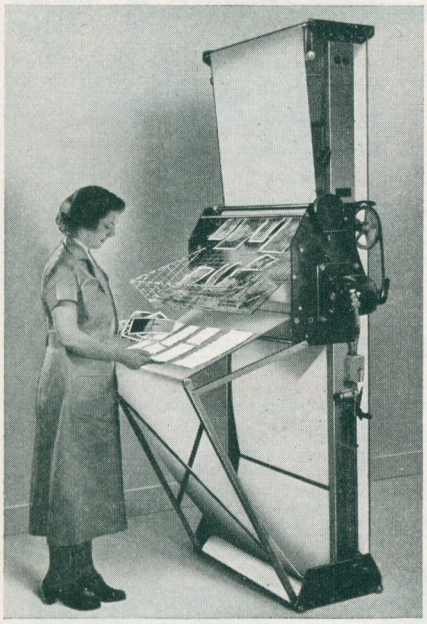
FOR ALTERNATING CURRENT Price Each $270.00

FOR DIRECT CURRENT Price Each $285.00

Gas Heated Model Thermostat Control A.C. or D.C. $270.00



PAKO VERTICAL DRYER



A fast, practical dryer for double weight matt and semi-matt prints. Ideal for portraits and commercial prints. Will handle most sensitive emulsions without slightest change of tone quality. Has approximate capacity of 300 8 x 10 prints per hour or 1000 post card size. Employs a heated column, around which the prints are conveyed between twin aprons. Prints do not come in contact with metal. Uniform heat is secured through thermostat control. Requires floor space of 18 x 30 inches. Specify voltage when ordering.

The Pako Vertical Dryer is universally fitted to requirements of photo finishers, or commercial photographers. Furnished with either gas or electric heat unit.

GAS HEAT, PRICE EACH $285.00

ELECTRIC HEAT, PRICE EACH $335.00

Order by No. 8405R when ordering

ECONOMY DRYER

A simple, sturdily built, easily operated glossy print dryer of great efficiency at a remarkably low price. Has highly polished drum of generous proportions. Thermostatic control of heating unit assures uniform, moderate heat that dries prints gradually and thoroughly preserving their fine quality and finish. An endless apron holds the prints tightly against drum while drying, preventing "check marks" on the surfaces. Ball bearings on all rollers assure easy, silent operation. Measures 29″ wide — 60″ long.

GAS HEATED MODEL Price each $360.00

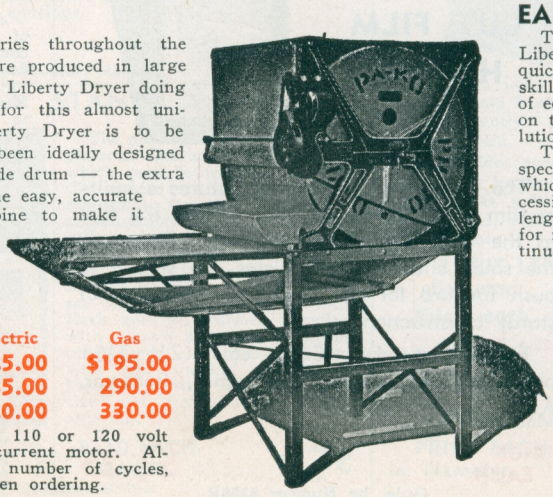
ELECTRICALLY HEATED MODEL Price each $390.00

Order by No. 8406R when ordering



LIBERTY DRYER

In hundreds of laboratories throughout the country, where photo copies are produced in large volume, you will find the Pako Liberty Dryer doing yeoman service. The reason for this almost universal preference for the Liberty Dryer is to be found in the fact that it has been ideally designed for this type of work. The wide drum — the extra — long absorbent apron — the easy, accurate heat and speed control combine to make it an outstanding favorite for photo drying. While it will dry all kinds of prints, it is particularly adapted to the requirements of photo copies.



	Electric	Gas
26 Inch APRON	$225.00	$195.00
38 Inch APRON	385.00	290.00
44 Inch APRON	420.00	330.00

Prices quoted covers either 110 or 120 volt direct or 60 cycle alternating current motor. Always specify current, voltage, number of cycles, etc. Order by No. 8407R when ordering.

EASY OPERATION

There is no noise, no trouble in operating the PAKO Liberty Dryer. It runs quietly, steadily — can be quickly and easily adjusted — requires no extraordinary skill on the part of its operator — and will give years of economical, satisfactory service. Just lay photo prints on the apron. When they have made a complete revolution of the drum, they come out straight and dry.

The patented single drying apron is constructed of a special backing of high quality, highly absorbent fabric which effects speedy drying without the use of an excessive amount of heat. The apron is of sufficient length to assure its drying thoroughly before returning for more prints. This feature permits constant and continuous use of the dryer.

SPECIFICATIONS of Standard 26″ Apron Dryer

WIDTH	32 Inches
LENGTH	66 Inches
HEIGHT	60 Inches
APRON	Width 26, 38 or 44 inches
MOTOR	1/20 H.P. 110 V. or 220 V. D.C. or 60 cycle A.C.
HEAT	Gas or Electricity
FINISH	Base, castings and metal braces, battleship grey; sheet metal parts, galvanized and finished in aluminum; motor black enamel.
SHIPPING WEIGHT	335 Pounds

PROFESSIONAL PHOTO FINISHERS EQUIPMENT

PAKO No. 2 PRINTER



This smaller model portrait printer embodies the general features of the De Luxe model. It occupies less floor space, yet provides ample working surface. It is compact and conveniently arranged. It is sturdy — strongly built for a lifetime of service.

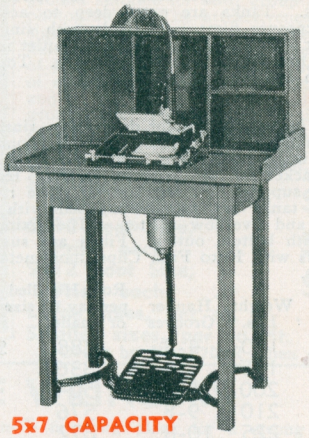
With the exception of screen and paper guides the printing head is identical with the De Luxe model. The mask file is omitted and additional working surface provided in the two 13-inch shelves which are hinged to the sides of the cabinet.

Uses six 75 watt PS-22 lamps.

PRICE EACH, LESS LAMPS $100.00

Order by No. 8501R when ordering.

MODEL B PRINTER



5x7 CAPACITY

This standard printer for Commercial photo finishing will give new speed to slow printers and raise the quality of careless or inexperienced help.

Easy to operate, flexible. High speed for short run work. Platen operated by foot treadle, leaving operator's hands free. Automatic numbering device. Adjustable, universal masks, many other special features. A speed of 350 prints hourly is easily attained. Most operators will do better.

The Model B Printer is handsomely finished and is built to last. All parts are inter-changeable. Floor space required, 33x24 inches.

PRICE EACH, LESS LAMPS $120.00

Order by No. 8502R when ordering

PAKO DE LUXE PROFESSIONAL PRINTER



This fine printer is needed in every studio. It is profitable to use the best in printing equipment. This printer has many superior features. It has a concealed self locking switch which gives full working top. Makes wide margin prints from 11x14 negative. All working parts metal. Cabinet is mahogany finished birch. Spotlight for special exposures over part of negative. Print opening, with ¼" plate glass is 12x 15 inches. Size over all 36" long, 21" wide and 36" high. Uses twelve 75 watt lamps.

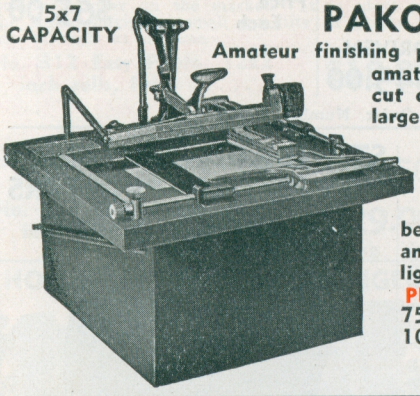
PRICE EACH, LESS LAMPS $165.00

75 watt lamps, PS-32 clear, each.....$.50
30 watt amber frosted carbon lamps (pilot) net each ..... .60

Order by No. 8503R when ordering

PAKO JUNIOR PRINTER

5x7 CAPACITY



Amateur finishing plants and photographers who handle some amateur work both have demonstrated that to cut costs and increase profits they must print a large volume of satisfactory work in a short time — that their profit depends on turning out good prints at minimum expense and at maximum speed.

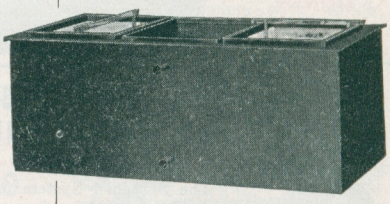
It has a divided platen, automatic numbering device, adjustable masks, negative holder and paper guide, and has automatic printing light control.

PRICE EACH, LESS LAMPS ... $55.00

75 watt lamps, PS-22, clear, net each.$ .50
10 watt amber frosted carbon lamps, (pilot), net each ..... .60

Order by No. 8504R when ordering

STEEL ENAMELED COMMERCIAL TANKS



FOR CUT FILM OR PLATES

Designed especially for the commercial and portrait studio for processing plates and cut films. The separate developing and fixing tanks are suspended in a large water jacket tank in which space is provided for rinsing and washing. Inlet and outlet connections provide for constant circulation of water. Tanks are easily cleaned. Tanks measure 7½x10½x 10½". Capacity 3½ gallons. Provides a complete processing outfit in one compact unit. Constructed of the finest enameled steel.

SPECIAL 5x7 OUTFIT

Special outfit for 5x7 hangers only. Consists of two white tanks 4½x7½ x7½" with water jacket tank. Tank capacity one gallon. Extremely compact. Finest construction throughout.

PRICE EACH $25.20

White tank only. One gallon capacity, measures 4½x7½x7½" $6.60

STYLE "A" OUTFIT

Complete outfit consisting of black and white tanks with water jacket. Handles both 5x7 and 8x10 hangers. Tanks measure 7½x10½x10½" — capacity 3½ gal. A fine outfit for the studio.

PRICE EACH $34.00

STYLE "B" OUTFIT

Complete outfit consists of two white tanks with water jacket. Accommodates both 5x7 and 8x10 hangers. Tanks measure 7½x10½ x10½", capacity 3½ gal. Provides a compact convenient unit for all processing.

PRICE EACH $35.00

Black developing tank only for A or B outfits $7.50
White Hypo Tank only for A or B outfits 8.50

Order No. 8506R for above items.

REXO STEEL ENAMELED DEVELOPING OUTFITS

FOR THE MODERN PHOTO FINISHING PLANT

DEVELOP, WASH AND FIX

These complete developing outfits consist of water jacket tank with inflow and outflow connections—developing tank and fixing tank. They are especially designed to provide the utmost economy and convenience in the processing of amateur roll films. The developing and fixing tanks are suspended in the larger washing tank, permitting easy maintainance of uniform temperature in all solutions for processing.

FOR ALL ROLL FILM AND CIRCUIT WORK



LARGE CAPACITY

An enormous amount of work can be turned out with these compact, low upkeep outfits. They are supplied in three sizes, 10 gallon, 12 gallon and 19 gallon capacity. The 10 gallon tanks measure 5x12x42 inches, the 12 gallon tanks measure 5x 12x47 inches, and the 19 gallon tanks measure 8x12x47 inches. Each 10 gallon tank will hold twenty to twenty-four rolls of film and the 19 gallon from 35 to 50 rolls. The No. 3 size handles the new eight exposure films. Two or three loadings can be developed per hour. Great saving of solution. Ideal equipment for small or large plant. Made of heavy gauge steel, triple enameled. Will last a lifetime with proper care.

FINER QUALITY WITH SPEED

The large capacity of these tanks for volume in processing along with the time they save makes them ideal for use in the modern photo finishing plant. It speeds up service to your customers—assures uniform high quality in the negatives. Why work with antiquated methods when modern, high speed equipment can be installed so economically?

ECONOMICAL OPERATION—REQUIRES MINIMUM SOLUTION

These tanks are complete, compact and convenient. No large, heavy, cumbersome weight to drag around. Built for service and efficiency. Large capacity. Small cost. Big profits. Best results. Superior quality. Low upkeep. We recommend the use of a green tank for hypo.

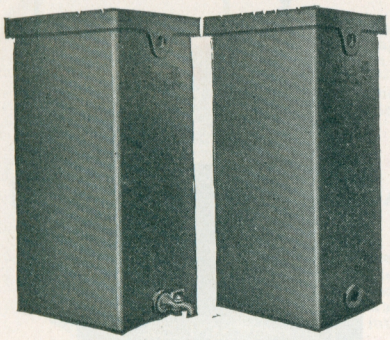
ROLL FILM TANKS IN THREE POPULAR SIZES

	No. 1—10 Gals. 5x12x42 in.	No. 12—12 Gals. for 8 exposure films 5x12x47 in.	No. 3—19 Gals. 8x12x47 in.
Black Stock Tank		$16.00	$18.50
Green Stock Tank	$16.00	17.00	20.00
Stock Tank Lids, each	1.75	1.75	2.10
Water-Jacket	37.50	39.00	48.50
Water-Jacket Lid, each	3.90	3.90	4.50

Specify Number 8505R when ordering any of above items

REXO COMMERCIAL DEVELOPING TANKS . . .

Heavy Acid-Proof Stoneware — Extra Deep, 8 Exposure Type



One piece acid-proof stoneware—free from seams and joints. Perfectly vitrified and glazed — they cannot leak. Impervious to the strongest acid solutions. Tanks are extra deep to accommodate eight exposure films. Available with single bottom outlet or without outlets. Bottom outlet is 1⅛ inch tapered to take ¾ inch C. W. valve. Top outlet is 1⅛ inch tapered for rubber plug.

STANDARD SETS OF FOUR TANKS

Used in sets of four for developing, rinsing, fixing and washing. The developing tank should be suspended in a metal lined wood casing to act as a water jacket — to maintain uniform temperature. Usually supplied without outlets. The rinsing and washing tanks are usually supplied with outlet at bottom and overflow at top. The fixing tank is made with bottom outlet. Films are suspended in the tanks with Rexo Film Clips upon metal supporting rods.

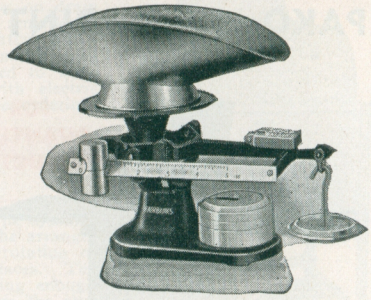
Capacity Gals.	Inside Dimensions	Outside Dimensions	Weight Lbs.	Hanger Grooves	Rolls Handled per day 1A size or smaller	Price
10	9½x 5¼x47	48x 8¼x12½	150	4-8	288	**$26.15**
14	9½x 7¼x47	48x10¼x12½	175	6-8	336	**31.95**
18	9½x 9½x47	48x12½x12½	200	8-8	504	**36.15**
20	9½x10½x47	48x13½x12½	210	9-8	576	**38.00**
24	9½x12½x47	48x15½x12½	225	10-8	672	**43.35**
29	9½x15 x47	48x18 x12½	260	13-8	740	**47.25**
48	11¼x20¼x48¾	50x24¼x15¼	345	17-10	1080	**61.65**

Stoneware Bibb Faucets ground and fitted into bottom outlet, including the metal coupling to hold faucet in place $14.35. Rubber Plugs 65 cents each. Larger tanks can be made to order. Tanks without outlets can be made to order at no additional cost.

All Rexo Commercial Tanks have outlets at top and bottom, either of which can be easily plugged with a rubber stopper.

Order Number 8601R

DARK ROOM BULK SCALE



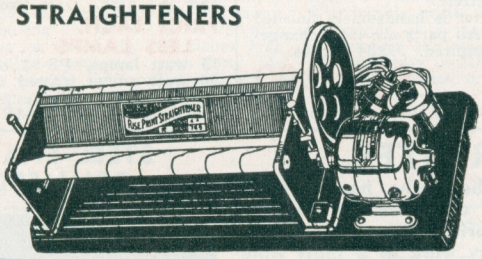
For weighing hypo, sodas and developing chemicals. A real time saver in the professional studio, photo finishing plant, etc. Weighs up to 5 pounds in one ounce units. May be used with or without the tin scoop. Scoop measures 14½x7x4 inches. The graduated beam is of bright finish brass set at an angle for easy reading. Base is in black enamel finish with protective varnish coating. Guaranteed accurate. You will enjoy the convenience of "one lot" weighing — plus the time saving this scale will provide.

Order by Number 8602R

PRICE EACH $13.00

RISE PRINT STRAIGHTENERS

- **Power Driven**
- **Large Capacity**
- **Delivers Prints Flat**



Takes the curl out of your prints — enables you to deliver them perfectly flat. Has large capacity — handling prints at the rate of 100 per minute. Indispensable in any studio where large quantities of prints are produced. Attractively finished in black frosted enamel with nickel plated trim. Finest construction throughout.

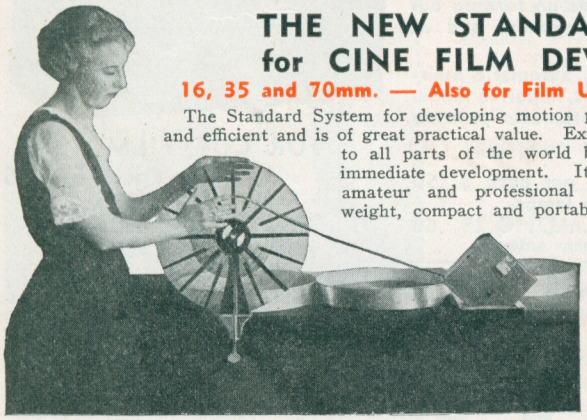
6A—12" HAND POWER
Price Each $24.00

4A—12" MOTOR DRIVEN
Price Each $45.00

5A—18" MOTOR DRIVEN
Price Each $65.00

7A—24" for LARGE PRINTS
Motor Driven, Price Each . . $175.00

Order Number 8603R



THE NEW STANDARD SYSTEM for CINE FILM DEVELOPMENT

16, 35 and 70mm. — Also for Film Used In all Ve-Ja-De Camera

The Standard 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.

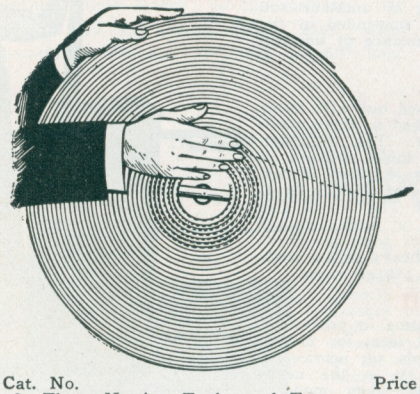
The Standard System of development, while economical in operation, assures uniform results. It can be worked with any developer formula — and affords fine control through entire process of development.

SAVES DEVELOPING SOLUTION

If, with a Standard tank 200 feet of film can be developed in two gallons of solution, why use forty? The Standard 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 this modern developing reel.

MONEL METAL CONSTRUCTION

In all parts of the Standard 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
0	Three Nesting Tanks and Two 18-Foot Reels	$ 35.00
1	Three Nesting Tanks and One 50-Foot Reels	30.00
2	Three Nesting Tanks and Two 50-foot Reels	50.00
3	Three Nesting Tanks and Three 50-Foot Reels	70.00

Wt. of reels, 3lbs.; of tanks, 4½ lbs.

Special Traveling Outfit

4	Three Nesting Tanks and One 100-Foot Reel	50.00
5	Three Nesting Tanks and Two 100 Foot Reels	82.00
6	Three Nesting Tanks and Three 100-Foot Reels	114.00
7	Three Nesting Tanks and Four 100-Foot Reels	146.00

Wt. of reels, 5½ lbs.; of tanks, 10 lbs.

Studio Equipment

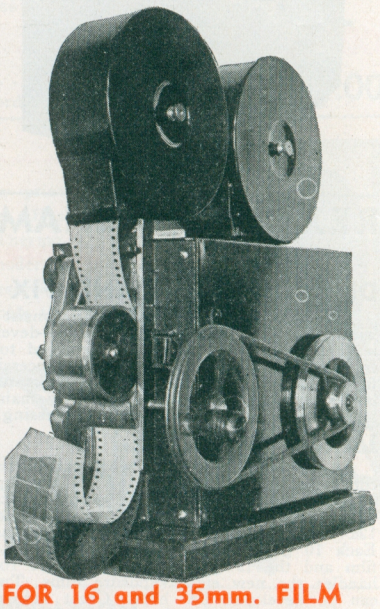
8	Three Nesting Tanks and One 200-Foot Reel	86.00
9	Three Nesting Tanks and Two 200-Foot Reels	$136.00
10	Three Nesting Tanks and Three 200-Foot Reels	186.00
11	Three Nesting Tanks and Four 200-Foot Reels	236.00
12	Three Nesting Tanks and Five 200-Foot Reels	286.00

ACCESSORIES

13	One 50-Ft. Single Spun Tank	4.00
14	Three Nesting 50-Ft. Spun Tanks	10.00
15	One 100-Ft. Single Spun Tank	7.50
16	Three Nesting 100' Spun Tanks	18.00
17	One 200-Ft. Single Spun Tank	15.00
18	Three Nesting 200' Spun Tanks	36.00
19	One Single 50-Foot Reel	20.00
20	One Single 100-Foot Reel	32.00
21	One Single 200-Foot Reel	50.00
22	One 100-Foot Wire Screen	1.00
23	One 200-Foot Wire Screen	2.00

Order Number 8604R

STANDARD MOTION PICTURE PRINTERS



FOR 16 and 35mm. FILM

Made in two sizes — for Standard (35mm.) and Sub-standard (16mm.) film. This Standard 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. 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 FOOT FILM CAPACITY

Capacity of magazine 200 feet. Both printers weight 8 pounds each and are so compact that they can be carried in a suit case if desired. This Standard 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 this 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. Specify film size when ordering.

PRICE EACH $90.00

Order by Number 8605R

REXO STUDIO BACKGROUNDS



PATTERN No. 8-A

PATTERN No. 8A

A specially designed combination background suitable for both group and portrait photography. The attractiveness of its design will add an artistic effect to your finished prints—and improve the appearance of your operating room. Provides a variety of effects for portrait or full figure work—and a well balanced symetrical design for groups, etc. Painted in a medium tone to provide softly graduated light and shade values. Variation in shade or contrast values may be had on request.

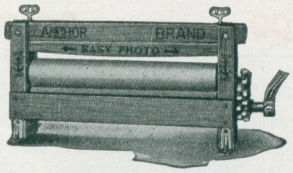
8x8 Foot Size, Price each $16.00
8x10 Foot Size, Price each $20.00
9x12 Foot Size, Price each $27.00
Large sizes, per sq. ft. 25c
Smaller sizes, per sq. ft. 30c

Order by No. 8701R when ordering

STUDIO SQUEEGEE WRINGERS

To meet the requirements of both the large and small finishing plant for a strong substantial Wringer, for the rapid handling of squeegee prints, we offer a complete line of high grade wringers at very reasonable prices. A labor saving device needed by all up-to-date commercial photographers. A necessity for the progressive studio or modern amateur finisher.

EASY PHOTO WRINGER

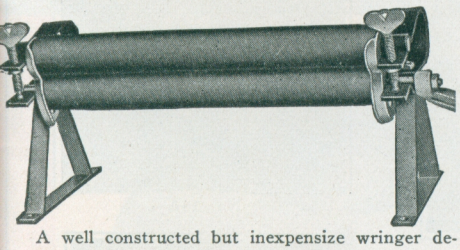


The Easy Photo Wringer is the lowest priced quality wringer on the market. It is ideal for the studio having a small quantity of prints to put through at a time.

No. 312 Easy Photo, 12x2 inch rolls, Price $18.00
No. 316 Easy Photo, 16x2 inch rolls, Price $21.50
No. 320 Easy Photo, 20x2 inch rolls, Price $25.50
No. 324 Easy Photo, 24x2 inch rolls, Price $29.00

Order by No. 8702R when ordering

HOLLISTON PHOTO WRINGER

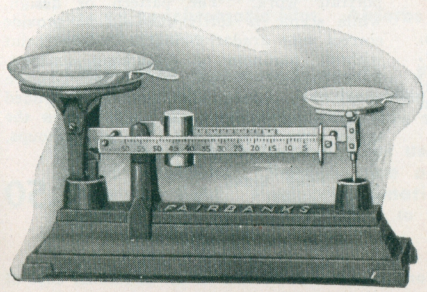


A well constructed but inexpensize wringer designed for squeegeeing prints and backing photographs with Holliston Photo-Cloth. The frame is of steel and can be mounted quickly on a table or bench. The special soft rolls are of a pure gum base and are not affected by chemicals. Adjusting screws make it possible to regulate pressure and there are no cogs or springs to get out of order. The Holliston Squeegee Wringer is especially recommended for use in small studios and in large studios that require a battery of light wringers.

No. 18, 18x2 inch rolls, Price each $16.00
No. 20, 20x2 inch rolls, Price each $16.50
No. 24, 24x2 inch rolls, Price each $17.50

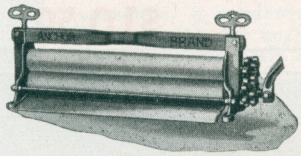
Order by No. 8706R when ordering

ALSO MADE IN OTHER SIZES



Also available in Metric System at same price.

PENN PHOTO WRINGER

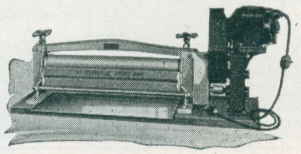


This is a medium priced wringer that will surely give great satisfaction and years of service. Has reversible pressed steel drip pan. Cogs on drive end eliminate buckling of prints. Shaft bearings have smooth machined surfaces. Rolls are ground true on lathe centers. Spiral springs in standards release contact when not in use, preventing flat rolls. Can be bolted on top of table. Rolls should be 4 inches longer than ferrotype plates.

No. 418, rolls 18x2¼ inch, Price $54.00
No. 420, rolls 20x2¼ inch, Price $56.00
No. 422, rolls 22x2¼ inch, Price $59.00
No. 424, rolls, 24x2¼ inch, Price $61.50

Order by No. 8703R when ordering

RIVERSIDE WRINGER



The Riverside Photo Wringer is the King of them all. It has all the latest improvements incorporated and in addition is motor operated. The motor drive eliminates all hand labor and gives the studio or amateur finisher the finest accessory for making glossy prints economically. The wringer will pay for itself in a short time. Equipped with drain pan as illustrated above.

Furnished with ⅛ H.P. Motor, 110 Volt A.C. current. Speed of rolls 27 R.P.M. Silent running, machine cut worm gear drive, universal coupling.

No. 618, Riverside Photo, 18x3 inch rolls, Price ... $209.00
No. 620, Riverside Photo, 20x3 inch rolls, Price ... $216.00
No. 622, Riverside Photo, 22x3 inch rolls, Price ... $222.00
No. 624, Riverside Photo, 24x3 inch rolls, Price ... $229.00

With D.C. Motor add $28.00 to above prices.

Order by No. 8707R when ordering

PRECISION STUDIO SCALE

With Two Pans and Double Beams

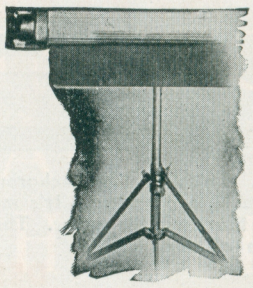
These scales have been designed for photographic use and combine in one scale the two ordinarily required for this service, being fitted with two pans and a double beam to weigh both in grains and avoirdupois ounces.

Both sections of the beam are notched, the rear one having a sliding poise and the front one a rider. The pans are made of nickel plated brass and are fitted with handles for convenient lifting. Finished in gray baked enamel and all other metal parts are nickel plated. Capacity front bar, 60x1 grains; back bar, 8x⅛ ounces Avoirdupois; pans 2½" and 4½" diameter.

Price each $17.00

Order by No. 8708R when ordering

PORTABLE BACKGROUND



A special portable background complete with folding tripod stand, designed expressly for the home portrait man or advanced amateur. The stand is extra heavy and rigid—folds compactly and is easily portable. The mounted background is in a special clouded effect, painted in flat oil colors. For home portrait work it enables you to secure studio effects and adds a professional touch to your work. The background drop is mounted on a heavy spring roller—and the tripod stand may be elevated to the full height of the background.

5x7 FOOT SIZE

Full 5x7 foot clouded oil color background complete with spring roller and folding tripod.

Price Each $22.00

Order by No. 8704R when ordering

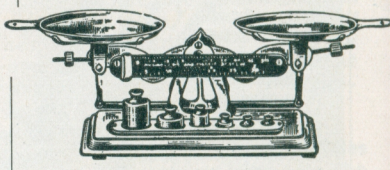
6x8 FOOT SIZE

Full 6x8 foot clouded oil color background complete with spring roller and folding tripod.

Price Each $27.50

Order by No. 8705R when ordering

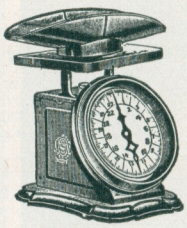
DARKROOM SCALE



Handy dark room scale for weighing chemicals etc. All metal construction. Adjustable for perfect balance. Accurately, weighs from one grain to 2 ounces. Available in avoirdupois or metric systems.

Rexo No. 8, specify Metric or Avoirdpois $4.50

Order by No. 8709R when ordering



BULK STUDIO SCALES

SCALE No. T25

Capacity 24 pounds by ounces, or 10 kilos by 25 grams. Warranted accurate. Six-inch slanting dial with distinct black figures. For use in the home, for weighing all kinds of merchandise, express and mail packages. Size 8x5½x8 in. Beautifully finished in sea green enamel.

Price, with scoop . $3.25

Order by No. 8710R when ordering

SCALE No. T45

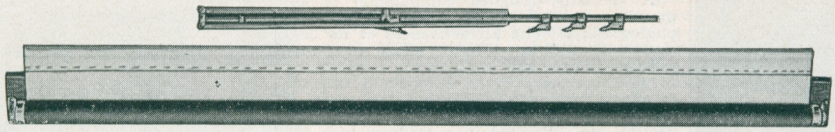
For weighing all kinds of merchandise and express and mail parkages. Capacity 24 pounds by ounces, or 10 kilos by 25 grams. Warranted accurate. Six inch glass slanting dial with distinct black figures. Size 8x5½x5 inches. Beautifully finished in jade green enamel.

Price, with scoop . $3.75

Order by No. 8711R when ordering

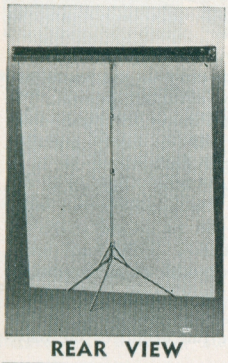
PROFESSIONAL STUDIO BACKGROUND PROPS

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.



REAR VIEW

DESIGNED FOR USE ON WALL OR STAND

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.

MODEL No. 1
Rexo No. 1 Small portable Background open 48 x84 inches, closed, 48x2 inches.
$5.50

MODEL No. 2
Rexo No. 2 Large Portable Background, open 72x84 inches, closed 72 x3 inches.
$10.50

STAND No. 2
Rexo Special No. 2 Stand (for No. 1 background only) 86 inches high when open.
$6.00

STAND No. 3
Rexo Special No. 3 Stand (will support either background) extra heavy, 102 in. high when open.
$9.75

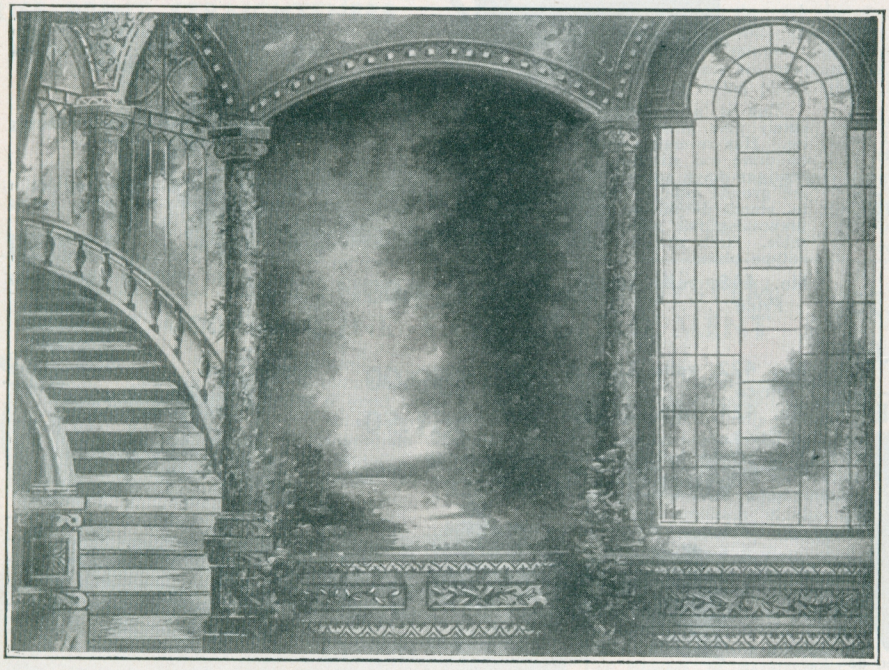


ILLUSTRATION OF No. 34A

MASTER STUDIO BACKGROUNDS No. 34A

Ideal for both group and portrait work. Being painted in a medium tone it provides excellent light and shade values. It will enhance the quality of your work.

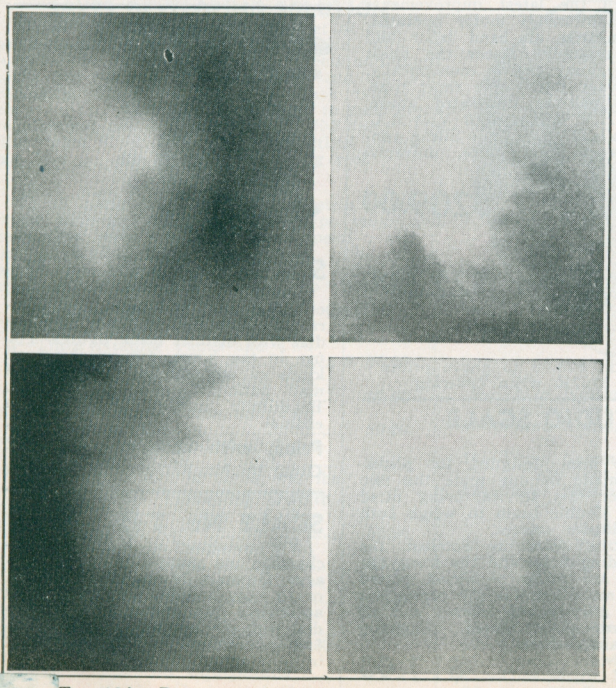
8x8 Feet size, each	$16.00
8x10 Feet size, each	20.00
9x12 Feet size, each	27.00
Larger sizes, square Feet	.25
Smaller sizes, square Feet	.30



No. 14A



No. 15A



Top 18A Bottom 20A Top 19A Bottom 21A

No. 18A, 19A 20A and 21A

The attractive backgrounds illustrated at the left provides a properly balanced clouded effect, suitable for both portrait or group work. Provides an ideal balance between light and dark. Specify number when ordering.

Size 6x8 ft.	$12.00
Size 8x8 ft.	16.00
Size 8x10 ft.	20.00

PLAIN BACKGROUNDS

In all standard colors, including pearl-white, blue-white, silver-grey, steel-grey, and red-black. Painted in distemper on muslin.

Size 5x6 ft.	$ 4.50
Size 6x8 ft.	7.20
Size 8x8 ft.	9.60
Sise 8x10 ft.	12.00
Lg. sizes, sq. ft.	.15

Oil Backgrounds wear longer, and can be had at an additional cost of 10c per square foot.

PATTERN No. 14A and 15A

Two popular patterns in attractively designed scenic backgrounds providing ideally placed light and shadow effects for fine portrait work. The pattern or design, while scenic is softly subdued to provide correct tone gradation in the finished print without hardness or disturbing contrast. Patterns may be had in reversed position when so ordered. They are recommended for all types of portrait work and in the larger sizes they are ideal for small groups, standing figures etc.

5x6 Feet size, Price each	$7.50
6x8 Feet Size Price each	$12.00

Specify Number 8801R When Ordering Any Of Above Items

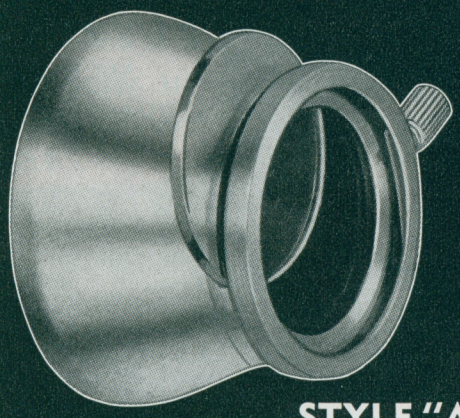
PARA



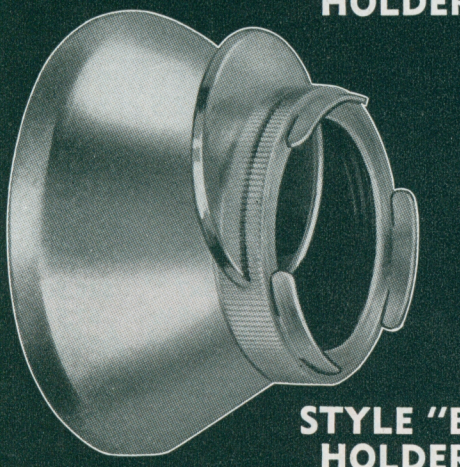
Only on Para Sunshades do you find this valuable Filter Guide. The information you want is at your finger-tips when you want it.

COMBINATION SUNSHADE AND FILTER HOLDER

PAT. APPL'D FOR — MADE IN U. S. A.



STYLE "A" HOLDER



STYLE "B" HOLDER

Sunshade, Filter and Filter Holder in one—with various colored filter discs all instantly interchangeable in the sunshade holder. It is an indispensible camera accessory that helps you produce better pictures. The lenshade adds snap and brilliance to your negatives by cutting off unwanted light rays. The filters improve the contrast range of your negative by recording the colors of your subject in their proper monochromatic values.

GET FINER PICTURE RESULTS

The Para Sunshade and filter combination will help you get professional results in your pictures. On the outer bell of the sunshade, a condensed, yet complete, table tells you the exposure factor for each filter—for both ortho and panchromatic film—and for both natual or artificial light. That vital information is always there at your fingertips—ready for instant use and reference.

THE PERFECT LENSHADE

The Para Sunshade and Filter Holder is of extra heavy construction, attractively satin chome plated on the outside. The inside surface is coated with a suede like black flocking that literally absorbs the rays of light that fall upon it—reducing unwanted reflections into the camera lens to a negligible minimum. By cutting off these unwanted reflections and permitting only those rays that actually form the picture to pass through the lens your negatives are always crisp and brilliant.

OPTICAL GLASS FILTERS

Para Filter Discs are constructed of the finest optical glass . . accurately ground with parallel surfaces to assure freedom from image distortion. Para filters are available in all popular colors as listed. The color, being fused into the glass, is stable and will not fade or deteriorate. They are accurately measured for density and spectral cutoff—and pass a maximum amount of light, resulting in a minimum exposure factor for the color correction they provide.

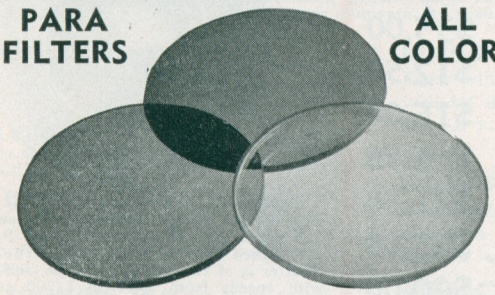
STYLE "A" HOLDERS

The Para Style "A" Holder slips over the regular lens barrel where it is securely held in place by a set screw. Filter discs are inserted or removed by a half turn of the sunshade which opens and closes the filter aperture. Thus the filter may be installed or taken out without removing the sunshade from its mounting.

STYLE "B" HOLDERS

Para Style "B" sunshades are designed to slip over the regular camera lens where they are held in place by three spring retainers. They are designed for use on lenses where set screws or protruding focusing quides require an edge opening for clearance. Filters are fitted in same manner as in Style A. Specify style wanted when ordering.

PARA FILTERS — ALL COLORS



Para Filter Discs are available in five popular colors and in six of the most commonly used sizes as listed in the table at the right. Para Filter Discs of any size are interchangeable in Para Sunshades of the same size. Exposure factors as given below are approximate.

LIGHT YELLOW Exposure factor 2X. Absorbs blue on both orthochromatic and panchromatic emulsions.

MEDIUM DARK YELLOW Exposure factor 3X. Provides increased correction on blue and improved rendition on yellow and green. For use with both ortho and panchromatic films.

GREEN Exposure factor 2X. Recommended for use on panchromatic film. Absorbs blue while passing the green.

ORANGE Exposure factor 3X. For use with panchromatic film only. Renders blue very dark. Fine for cloud formations against blue sky, etc.

RED Exposure factor 4X. For use with panchromatic emulsions. Renders blue as black—greens come very light. Produces dramatic effects.

NOTE: The Para filter is made to fit Para sunshades only.

SPECIFY STYLE A or B HOLDER AND COLORS

LENS BARREL DIAMETER OVER WHICH FILTER FITS	COMPLETE WITH THREE OPTICAL GLASS FILTERS IN POUCH	SUNSHADE AND FILTER HOLDER ONLY, EACH	UNMOUNTED FILTERS ONLY ANY COLOR LISTED IN POUCH
24½mm. (1 in.)	$5.50	$2.25	$1.50
27mm. (1 1/16 in.)	$6.00	$2.25	$1.65
29mm. (1⅛ in.)	$6.25	$2.25	$1.75
32mm. (1¼ in.)	$6.50	$2.50	$1.75
37mm. (1 7/16 in.)	$6.75	$2.50	$1.85
42mm. (1⅝ in.)	$7.00	$2.50	$2.00

DEALERS ASSORTMENT WITH COUNTER DISPLAY CASE

This attractive Counter Display Cabinet and Para Lenshade and filter Disc stock provides a visible display of twelve lenshades—while a built-in drawer holds a complete stock of filter discs.



A COMPLETE STOCK

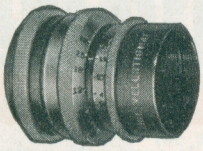
The standard stock assortment included with the display case answers over 90% of consumer calls. It enables the dealer to maintain a complete and orderly stock—by ordering fill-ins as needed. Dealers are urged to write for full details.

FOR PROFESSIONAL RESULTS USE A PARA

WOLLENSAK LENSES

AMERICAN MADE—FOR EVERY PHOTO NEED
USED AS STANDARD ON SOLAR ENLARGERS
ENLARGING – WIDE ANGLE – CINE – TELEPHOTO

CINE LENSES



Cine Velostigmat lens are highly corrected for use with Kodachrome. They produce pictures that are sharp to the edge of the frame, with contrast and sparkle and uniformly excellent detail.

FOR 16mm. CAMERAS

These Velostigmat lenses are recommended for use on 16mm. cameras as, Bell & Howell, Keystone, Bolex, Victor, Cine Kodak E and Paragon Cameras.

1 inch F:2.7 PRICE, EACH..... **$22.50**

1 inch F:1.5 in micrometer focusing mount, EACH..... **$50.00**

15mm. F:2.7 in micrometer focusing mount, EACH..... **$42.50**

15mm. F:2.7 PRICE, EACH..... **$27.50**

Order by Number 9001R

FOR 8mm. CAMERAS

These Velostigmat lenses are recommended for use on 8mm. cameras as; Keystone, Univex, and the new Revere, Emel, and Bolex cameras.

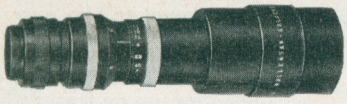
½ inch F:1.9 in micrometer focusing mount, EACH..... **$42.50**

½ inch F:3.5 PRICE, EACH..... **$17.50**

½ inch F:2.7 PRICE, EACH..... **$22.50**

Order by Number 9002R

TELEPHOTO LENSES



FOR CLOSE-UPS OF DISTANT SUBJECTS

Add a Telephoto lens to your cine' equipment, it's to your camera as a telescope is to your eye. With a Telephoto you'll get otherwise impossible close-ups of distant subjects.

FOR 16mm. CAMERAS

16mm. Telephoto lenses for use with Bell & Howell, Keystone, Bolex, Victor, Cine Kodak E and Paragon cameras.

2 inch F:1.5 in micrometer focusing mount, EACH..... **$87.50**

2 inch F:3.5 in micrometer focusing mount, EACH..... **$35.00**

3 inch F:4 in micrometer focusing mount, EACH..... **$50.00**

4 inch F:4 in micrometer focusing mount, EACH..... **$57.50**

6 inch F:4.5 in micrometer focusing mount, EACH..... **$75.00**

Order by Number 9003R

FOR 8mm. CAMERAS

8 mm. Telephoto lenses for use with the Keystone, Univex, new Revere and Bolex Cameras.

1 inch F:2.7 in micrometer focusing mount, EACH..... **$37.50**

1½ inch F:3.5 in micrometer focusing mount, EACH..... **$37.50**

Wide Angle 16mm. Cine lenses 15 mm. F.2.7 PRICE EACH **$27.50**

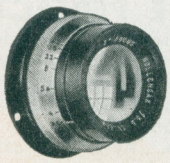
15mm. F:2.7 in micrometer focusing mount, EACH..... **$42.50**

Order by Number 9004R

A select offering of fine, American made, Wollensak lenses that practically answer every requirement of both amateur and professional work. Skilled American craftsmen, precision accuracy in grinding, and the finest optical glass procurable has enabled the Wollensak Optical Company to produce lenses of superior quality.

As the quality in a lens contributes greatly to the distinctiveness of the finished photograph, intelligent care should be used in selecting a lens that is best suited for the purpose. Our specialists in lenses and shutters are always available to serve you.

ENLARGER VELOSTIGMATS



Genuine anastigmat with uniformly flat field, corrected for spherical and chromatic aberration, coma, distortion and flare. These truly fine enlarging lenses are furnished with iris diaphragm and barrel mount complete, with flange and lens cap. It is also recommended for copying and view camera work.

2 inch F:6.3 PRICE, EACH..... **$10.00**

3 inch F:6.3 PRICE, EACH..... **$12.00**

3½ inch F:6.3 PRICE, EACH..... **$13.50**

5 inch F:6.3 PRICE, EACH..... **$20.00**

6½ inch F:6.3 PRICE, EACH..... **$25.00**

7¼ inch F:6.3 PRICE, EACH..... **$35.00**

2 inch F:4.5 PRICE, EACH..... **$12.50**

3 inch F:4.5 PRICE, EACH..... **$15.00**

3½ inch F:4.5 PRICE, EACH..... **$16.50**

4¼ inch F:4.5 PRICE, EACH..... **$21.50**

5 inch F:4.5 PRICE, EACH..... **$25.00**

6½ inch F:4.5 PRICE, EACH..... **$40.00**

7½ inch F:4.5 PRICE, EACH..... **$50.00**

8¼ inch F:4.5 PRICE, EACH..... **$75.50**

2 inch F:3.5 PRICE, EACH..... **$17.50**

3 inch F:3.5 PRICE, EACH..... **$22.50**

3½ inch F:3.5 PRICE, EACH..... **$25.00**

Order by Number 9005R

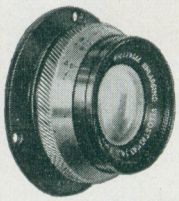
F:4.5 VELOSTIGMAT

A general purpose lens for work in the studio, home portraiture, and for speed and action work with press and reflecting types of cameras. Its fine correction and flat field adapt it for figure and group work. It is also recommended for copying, enlarging and view work.

Focal Length	Plate Size	Barrel Mount	In Betax Shutter
3½	2¼x3¼	$ 27.50	$ 32.50
5	3¼x4¼	32.50	37.50
6½	4x5	45.00	51.00
7½	5x7	53.00	63.50
8¼	5x8	75.50	86.00
9½	6½x8½	108.00	115.50
12	8x10	143.50	154.00

Order by Number 9006R

SERIES III WIDE ANGLE ANASTIGMATS F:9.5



F:9.5 • IN BARREL OR SHUTTER MOUNTS •

The exceptional speed of the series 111 Velostigmat is an asset for focusing in dimly lighted interiors, for making snapshots out of doors and for flashlight or Kodachrome work.

Focal Length	Plate Size	Barrel Mount	In Betax Shutter
4 5/16"	5x7	$43.50	$47.50
6¼"	8x10	65.00	71.00

Order by Number 9007R

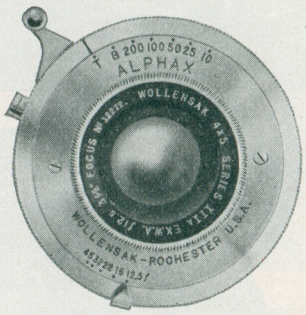
EXTREME WIDE ANGLE F:12.5 LENSES

The Series 111a have an angle of view of 90 degrees and give good definition at full aperture — and a critical sharpness when stopped down. These lenses can be used on a plate a size larger than listed by stopping down the diaphragm, they then have an angle of about 100 degrees.

Focal Length	Plate Size	Barrel Mount	In Betax Shutter
4 5/16"	5x7	$28.50	$33.50
5 3/8"	6½x8½	37.50	43.50
6¼"	8x10	40.00	46.00

Order by Number 9008R

3½ INCH — SERIES IIIa WIDE ANGLE VELOSTIGMAT

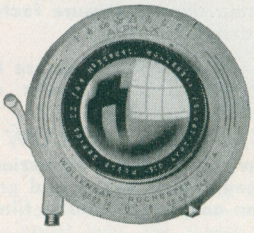


These lenses with a ninety degree angle of view at F:12.5 are particularly recommended for use in the B & J 4x5 Speed Press and 4x5 Speed Graphic cameras. The Alphax Shutter is of the Ready Set type, self-cocking, with speeds from 1/10 to 1/200 sec., time and bulb.

PRICE EACH $31.50

Order by Number 9009R

VELOSTIGMAT SERIES II



F:4.5 6½ IN. ALPHAX SHUTTER

Combining extreme speed and flatness of field with anastigmat corrections, this lens is one of the most versatile lenses for general studio and portrait work. Because of its flat field it may be used interchangeable on camera and enlarger.

Alphax is a ready set, self cocking precision made shutter. Speeds from 1 to 1/100th of a second and time and bulb.

PRICE EACH $63.00

Order by Number 9010R

3¼ INCH (85mm.) — F:4.5

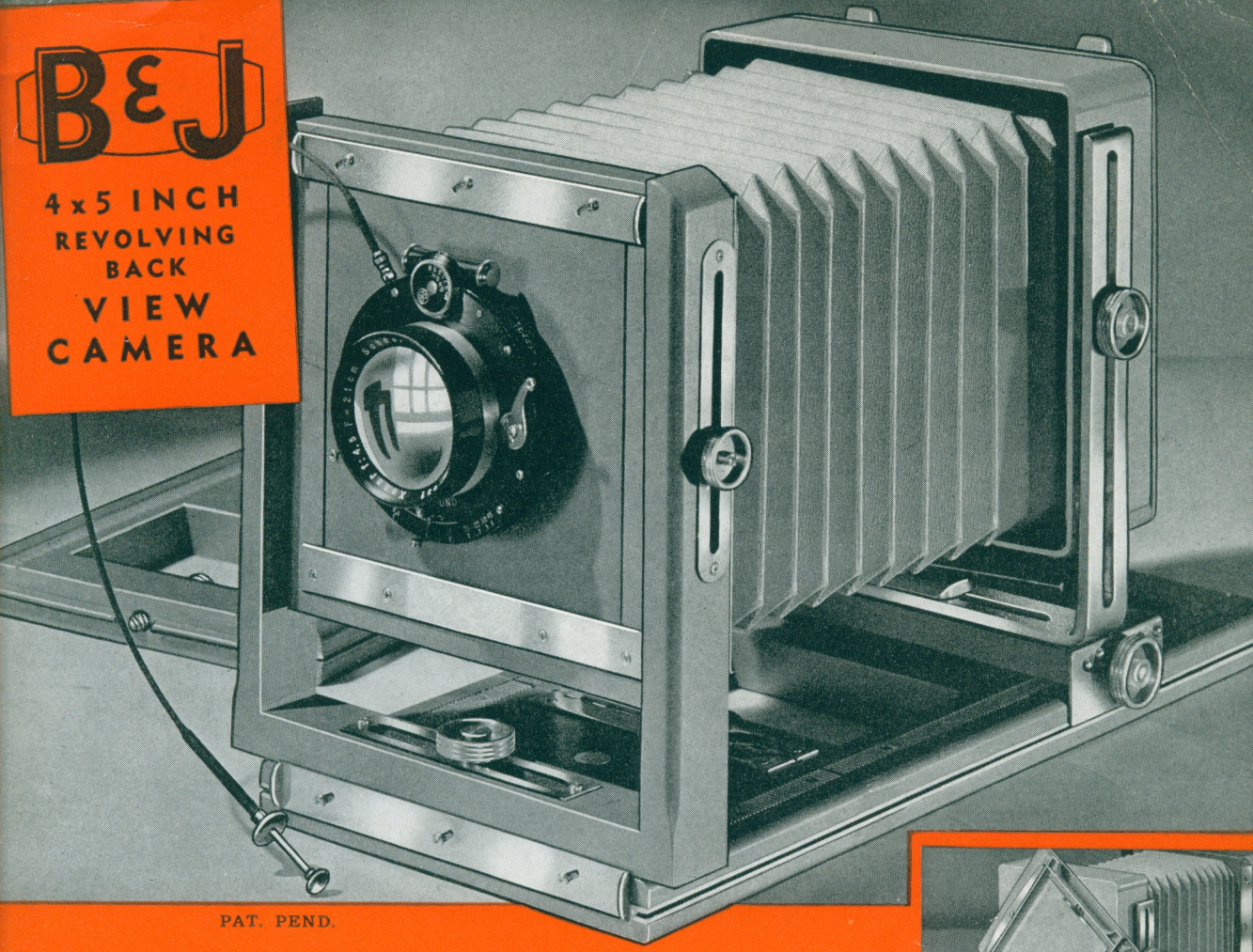
Velostigmat in Alphax Shutter — Speeds from 1/10 to 1/200 second, time and bulb, covers 2¼x2¼ inches.

PRICE EACH $20.00

Order by Number 9011R

B & J

4x5 INCH REVOLVING BACK VIEW CAMERA



PAT. PEND.

THE CAMERA OF 1000 USES... MEETS EVERY PHOTOGRAPHIC NEED

The professional, pictorialist and advanced amateur will find in this new B & J 4x5 View Camera an instrument that circumscribes the widest possible range of photographic endeavor. The flexibility of its many adjustments exceeds the normal covering power of a lens — enables you to take take full advantage of both the front and rear swing tilt, rise or drop features to control perspective and to control the focal plane for maximum sharpness across any angle of the subject being photographed. An invaluable feature is the revolving back — just rotate it from horizontal to vertical position. The full size focusing ground glass is fitted with an all around focusing hood. Special light tight ventilating louvers eliminate the need of cutting the ground glass corners.

BELLOWS: Bellows provides full 24 inch extension. Demountable extension bed with metal inset track for smooth operation—and perfect back alignment.

REVOLVING BACK: Revolving back built-on as an integral part of the camera. Rotates from vertical to horizontal position instantly.

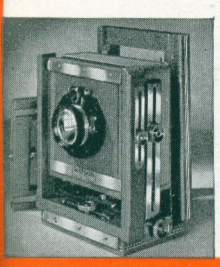
FULL HOODED GROUND GLASS: Has full size ground glass with folding type focusing hood. Hood cuts off top, bottom and side light—makes it easy to study the ground glass image.

WIDE FOCUSING TRACK: Wide focusing track of all metal construction, provides for smooth easy rack and pinion focusing. Lock knob permits adjustment of friction on the focusing action to suit the operator.

RISING - FALLING ADJUSTMENTS: Front adjustments include a full 5 inch rise with 3¼ inch vertical shift. Rear adjustments include 7 inch rise with full 5 inch vertical shift.

UNLIMITED SWING - TILT: The angle of horizontal swing on both front and rear and the angle of vertical tilt on both front and rear are unlimited.

ATTRACTIVE FINISH: The camera is attractively finished in a durable silver-grey with grey bellows to match. Metal trim in bright chrome finish.



CAMERA FOLDS COMPACTLY TO ONLY 10x6x8¾ IN.—FOR EASY PORTABILITY

The B & J 4 x 5 View Camera with its hooded ground glass focusing back, light in weight and easily portable (10x6x10¾ inches) when folded. Uses standard 4x5 double film or plate holders.

LESS LENS Each Only **$39.50**

RECOMMENDED LENSES AND ACCESSORIES

5¼ inch F:4.5 Imported Anastigmat in self-cocking 1 to 1/100 shutter. Each .. **$42.50**

6 Inch F:4.5 Imported Anastigmat in Perle Rapid 1 to 1/200 Shutter. Each **$44.50**

6½ inch F:4.5 Voigtlander Skopar (Tessar Type) in Perle Rapid 1 to 1/200 shutter. Each **$59.50**

7⅛ inch F:3.5 Imported Anastigmat in barrel with iris diaphragm. Each **$69.50**

9 inch F:4.5 Spencer Portland in barrel. Each **$21.00**

3½ inch F:12.5 Wollensak Wide Angle, in Alphax 1/10 to 1/200 shutter. Each **$31.50**

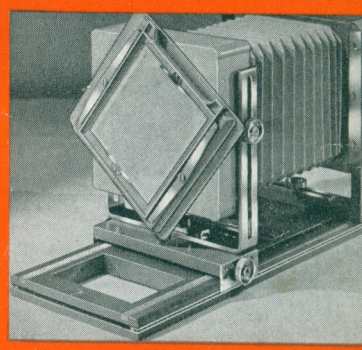
B & J Carrying Cases — Keratol covered case 10½x7½x12½ inches. Holds camera and two double plate or film holders. Each **$3.00**

Double Case—Keratol covered case 7¼x15½ x24½ inches. Holds camera, folding tripod and six double plate or film holders. Each **$8.50**

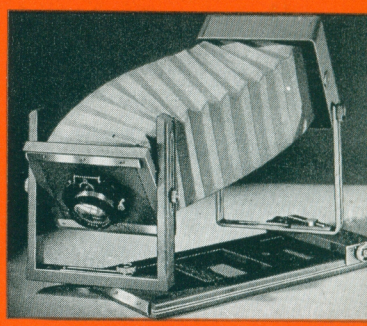
Ideal Tripod. Each **$5.95**

Film Holders 4x5 inches. Each **$2.50**

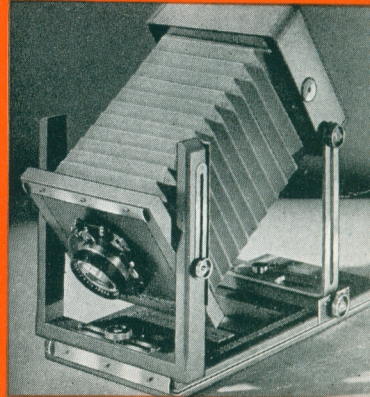
Plate Holders 4x5 inches. Each **$2.50**



REVOLVING BACK
Need not be removed from camera. May be instantly rotated from vertical to horizontal positions.



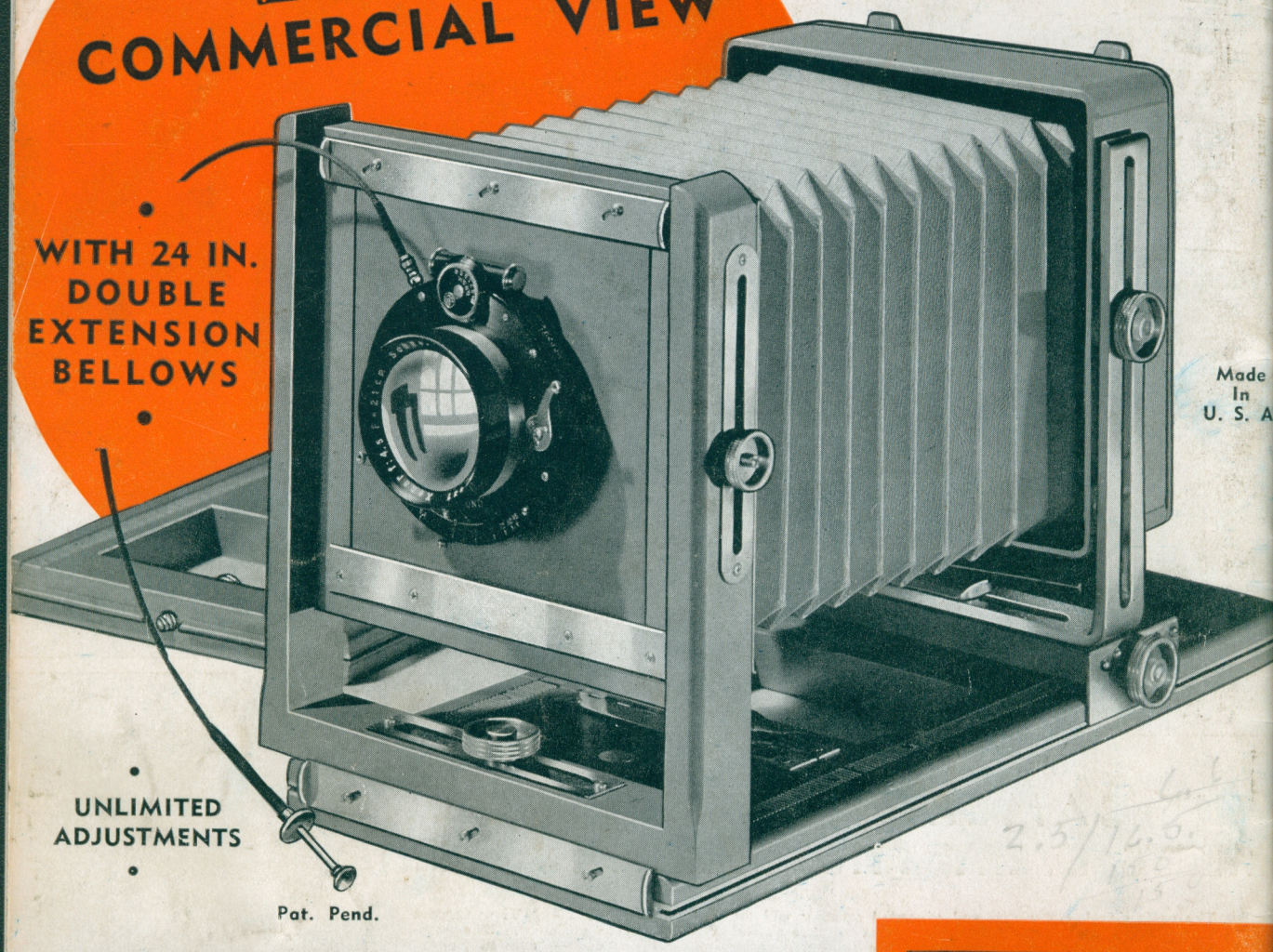
UNLIMITED SWING-TILT
Unlimited swing and tilt adjustment far exceed operating requirements.



EXTREME ADJUSTMENT
Extreme rise and fall of both front and back eliminates need for tilt

THE B & J 5x7 in. COMMERCIAL VIEW

...and ADVANCED AMATEUR WORK



• WITH 24 IN. DOUBLE EXTENSION BELLOWS •

• UNLIMITED ADJUSTMENTS •

Pat. Pend.

Made In U. S. A

THE "ALL PURPOSE" CAMERA

Designed to meet the exacting requirements of the critical worker in fine portraiture, view and illustrative photography. You will appreciate its many extra adjustments — its wide adaptability — and the extreme ease with which this fine View Camera handles the most difficult picture problems. The focusing back is of extra rigid construction, with special spring tension clamps that assure years of service. Perfect alignment of the camera bed, coupled with the rack and pinion focusing arrangement at the back of the camera maintains a perfect focal plane between lens front and camera back. Special metal channeled inserts at the edges of the bed provide a rigid wear resisting track on which the camera carriage rides.

UNLIMITED SWING AND TILT

The large specially constructed silver grey bellows provide a maximum extension of 24 inches. A separable bed extension attaches to the regular bed for use when full bellows span is desired. The camera back operates on a high sliding U standard providing a rise adjustment of 7 inches and a side shift of 6¼ inches. The angle of adjustment on horizontal and vertical swing on both front and rear is unlimited. The front U standard permits a rise adjustment of 5 inches and a side shift of 3 inches.

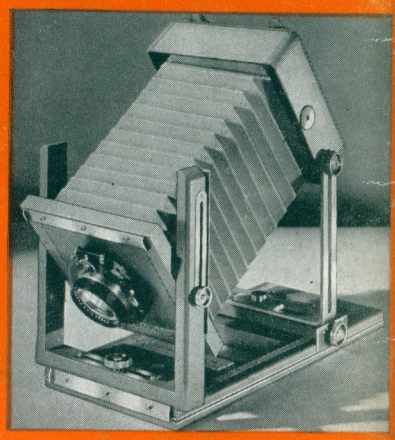
The wide range of adjustments provided enable the operator to control perspective to an unusual degree — and angle shots may be made up to the full covering power of the lens used. The extra wide focusing track is recessed into the bed. The gear ratio for focusing has been computed to provide a smooth positive action with metal on metal. Two tripod sockets are provided to assure perfect balance of the camera on any type of tripod. Special provision has been made for locking the camera back at perfect right angles to the bed. Accommodates all standard film and plate holders.

SILVER GREY FINISH

The B & J camera is attractively finished in bright silver grey with grey calf grain finish bellows. Metal trim is in bright chrome. Camera folds compactly to 11x9¾x5½".

PRICE EACH LESS LENS $49.50

Order by Number 9201R



VERSATILE

Large U standards at both front and back of camera provide unusual flexibility in rising, falling and side shift adjustments. Horizontal and vertical swing adjustments on both front and rear are unlimited.

RECOMMENDED ACCESSORIES for B & J 5x7 VIEW

7⅛ inch F:5.5 Precision Anastigmat in self-cocking shutter 1 sec. to 1/200. .....$66.50

7½ inch F:4.5 Wollensak Velostigmat Series II, in Betax Shutter. Each $63.50

9 inch F:4.5 Spencer Portland in barrel with iris diaphragm. Each $21.00

7⅛ inch F:3.5 Imported Anastigmat in barrel with iris diaphragm. Each $59.50

8¼ inch F:6.8 Imported Anastigmat (Cooke type) in barrel with iris diaphragm. Ea. $33.00

8¼ inch F:3.5 Imported Anastigmat in barrel with iris diaphragm. Each $89.50

4 5/16 inch Wollensak Wide Angle Series III, in Betax Shutter. Each $47.50

8 inch F:4.5 Imported Anastigmat in self-cocking shutter. Each $63.00

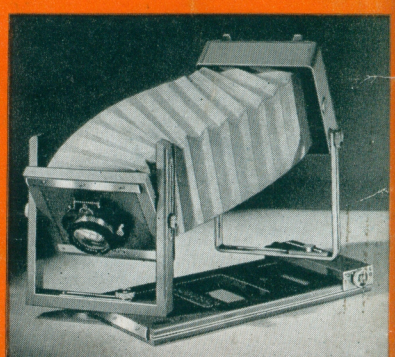
5¼x5¼ inch Lens Boards. Each.....$1.00

2¼ inch No. 6 Packard Shutter. Each $9.00

Carrying case, Keratol covered, measuring 10½x7½x12½ inches. Holds camera and two double plate or film holders. Each $3.00

Double Case. Keratol covered, measuring 15x2½x7¼ inches. Holds camera, folding tripod and six double plate or film holders. Each $8.50

Order by Number 9202R



UNLIMITED SWING-TILT

Unlimited swing and tilt adjustment far exceed operating requirements.

FOR FINER PICTURES EVERYTIME!