1901

THE PREMO CAMERA

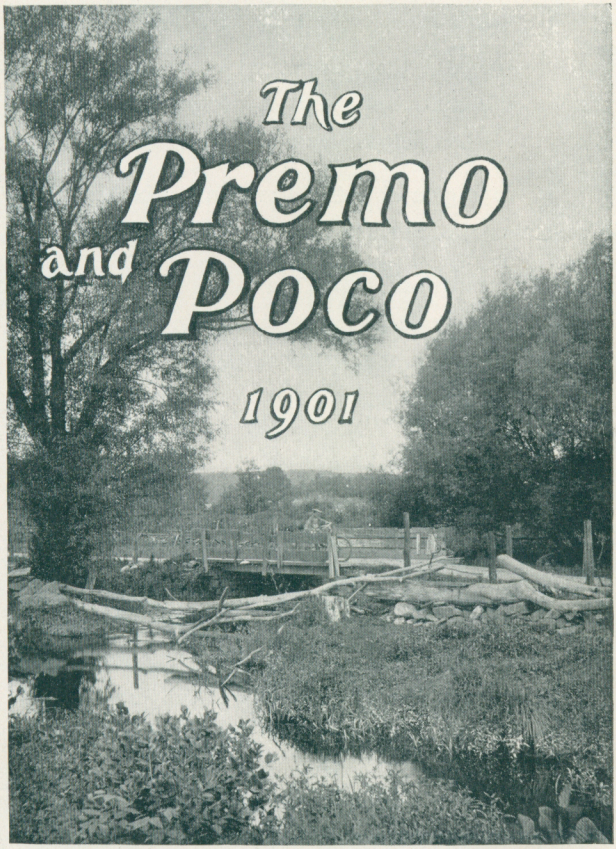
THE POCO CAMERA

CATALOGUE

ROCHESTER OPTICAL AND CAMERA CO.
ROCHESTER, N.Y.
U.S.A.

April 1st, 1901.

ERNEST HART
PREMO PRESS,
ROCHESTER, N. Y


The
Premo
and Poco
1901



Terms.

PRICES listed in this catalogue are net. All goods are boxed and delivered to express or freight company at Rochester, free. We guarantee safe arrival of goods at destination when shipped by express or freight When shipped by mail they are at risk of purchaser.

In ordering goods always give shipping directions—whether by freight, express or otherwise If not so stated, we will use our discretion.

All orders for goods by express C. O. D must in EVERY INSTANCE be accompanied by double the amount of transportation charges, unless sent through the Order and Commission Department of one of the principal express companies.

All orders for shipment by freight or mail must be accompanied by FULL AMOUNT OF PURCHASE. If by mail, INCLUDE POSTAGE, or they will be sent by express.

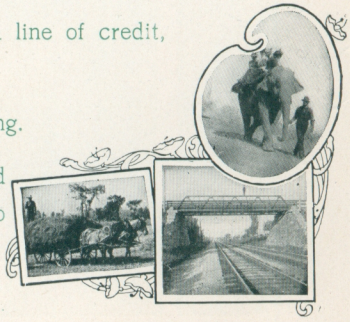
Remit by draft on New York, post-office order, registered letter or express money order. Personal checks from parties unknown to us, unless certified, will be collected through our bank before goods will be shipped. In sending checks, add ten cents for exchange.

Parties unknown to us, and desiring to establish a line of credit, will save delay by giving approved references.

Write name very plain to avoid mistakes in shipping.

We improve our goods when found practicable, and the improvement will be supplied without extra cost to our customers.

Prices as listed are subject to change without notice.





Greeting



FOR nearly a quarter of a century we have manufactured a line of Hand Cameras of superior design, unexceptional workmanship, and pleasing appearance. As pioneers in Camera construction, our facilities are, and always have been, such as to enable us to thoroughly comprehend the requirements of not only the advanced amateur, but the beginner as well. We have spared neither time, expense or energy in making our complete line thoroughly modern, and to-day the names PREMO and POCO signify *the best* in Camera construction. The fact that members of our corporation *personally* supervise each and every branch of our manufacture, helps to make this assertion true. Each succeeding year we have shown great improvement over the year previous, and a careful perusal of the following pages will thoroughly demonstrate that our productions for the coming season are New Century goods in every sense of the word.

The progress of the world in many lines during the last decade has been phenomenal, and the line of Camera building inaugurated by those interested with us has not been the least in this advance.

We assure our friends that every energy will be applied on our part during the future as in the past, to merit the confidence of those contemplating a start in the mystery of photography, as well as those who are advanced in the beauty of the art.

We feel that the time is ripe for radical changes relative to prices, and, as a glance through these pages will show, we have taken the initiative and have reduced the prices to such an extent that all may acquire either a Premo or Poco, as his or her choice dictates, without an exorbitant outlay.

Thanking our friends for their valued patronage in the past, and trusting to be honored with their future favors, we remain,

Yours very respectfully,

ROCHESTER OPTICAL & CAMERA CO.

H. B. CARLTON, Manager.

Amateur Photography



PHOTOGRAPHY continues to grow more and more in favor the world over. It affords greater attractions than all the arts heretofore introduced in popular form, while it answers fully the requirements of mechanical taste, it offers constant opportunities for the exercise of other intellectual qualities and is a source of pleasure, artistic in character, which can be appreciated by the opportunities afforded.

The love of pictures, and the desire to produce them in some form are prominent characteristics in the human mind. Formerly lovers of the beautiful tried to garner up the choice bits of nature with the aid of brush or pencil; but now, how easy to save not only outline but detail as well with the Camera.

The value of photography is now recognized by leading manufacturers, architects, engineers, artists, physicians, surgeons—in fact by men and women in nearly every walk of life.

For the enthusiastic Bicyclist, a Camera affords the means of securing a pictorial diary of the many scenes and incidents constantly passing in panoramic view, as he pedals mile after mile on his steed of steel.

In the following pages will be found Cameras especially designed for the use of Wheelmen. So compact and portable are these new Cameras, that they can be attached to a bicycle without causing any inconvenience.

To the Tourist, photography affords a never ending source of enjoyment. To record with accuracy the events and scenes of his or her tour is an enjoyment at the time, and a greater one when he sees the finished photograph, which is always a valuable memento of a pleasant holiday.

The ideal Hand Camera should be constructed so that every adjustment can be quickly made, and an entire absence of complicated parts noticeable, rendering the instrument easy of manipulation Compactness is a desirable point, provided strength and rigidity are not sacrificed to secure it A first-class Lens, adapted for general work, is a most important part of the outfit, as well as a durable Time and Instantaneous Shutter, free from jar and vibration.

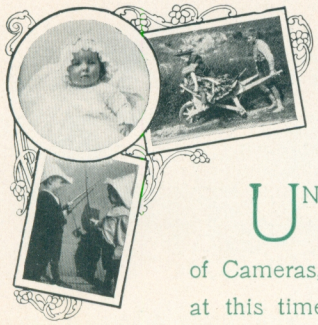
PREMO and POCO CAMERAS combine these features, with many others, in an eminent degree.

When deciding as to which particular Camera will answer your purpose best, we suggest that you look carefully over the various styles and note the description of each. The large assortment and wide range in price affords opportunity for satisfying the demands of the novice, advanced amateur or photographic expert

We are frequently asked the question, "Can I succeed in making good photographs, even though I have had no experience?" Our answer is "Yes." We wish it were more generally known how easy it is to make the most beautiful pictures Provided the amateur is supplied with apparatus of approved quality, we have no hesitancy in emphasizing the statement that anyone of average intelligence and ability can readily produce photographs of the most satisfactory character without previous experience.

If you are in doubt regarding any point—write us. We shall be glad to answer questions, and furnish such information as will aid you in making a judicious selection of an outfit.





EXPLANATION.

UNDOUBTEDLY a great many amateurs are unfamiliar with the terms and phrases used in describing our various styles of Cameras, consequently a word to them may not be out of place at this time.

The View Finder is an attachment, fitted at a convenient place on the bed, whereby the view may be accurately located. As the view appears in the Finder, so will it appear in the finished picture.

The Double Spirit Level is a neat device placed on the bed of the Camera, enabling the operator to ascertain when the instrument is exactly level and in proper position.

The Rising Front is that part to which the Lens and Shutter are attached, and by a simple adjustment varies the amount of sky and foreground desired in the view.

The Sliding Front is used for the same purpose as the Rising Front when the Camera is reversed for vertical pictures, to regulate the amount of sky and foreground when the instrument is not equipped with the Reversible Back.

The Reversible Back is a detachable back which may be reversed for either horizontal or vertical pictures, without disturbing the Camera after once placed in position, and is of inestimable value when using the instrument on a tripod.

The Swing Back is that part of the Camera at the rear, so constructed that the top or bottom can be tilted either outward or inward, in order that the operator may obtain a satisfactory picture of a tall building or a low vale, without distortion; an accomplishment impossible without this attachment.

The Rack and Pinion is a device placed on the bed of the Camera to insure convenience in focusing that could not be obtained otherwise, and is operated by merely turning forward or backward.

The Draw is the length of bellows that the Camera accommodates, and is measured from the front board to the Ground Glass.



The Spring Actuated Ground Glass Screen is that part situated at the rear of the Camera, which recedes allowing the Plate Holder to be inserted, returning to its usual position when the Holder is withdrawn. By the aid of springs, the Holder is held firmly in position when inserted.

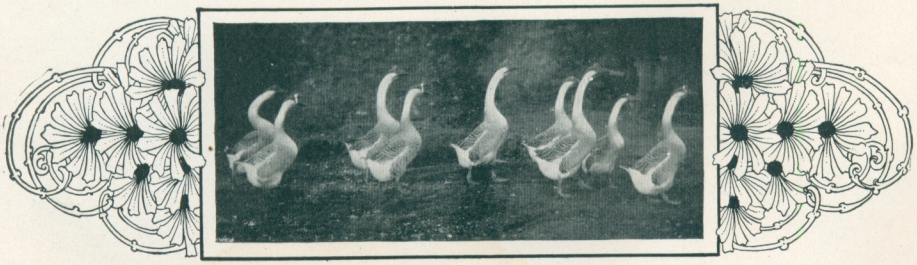
The Ground Glass is a square of glass ground on one side and fitted to the rear of the Camera. The reflection of the image through the lens is plainly discernible by looking upon this glass. The correct focus is easily obtained by its aid, more especially when using the Camera with a Tripod.

The Shutter is the device for making the exposure. Several styles are listed with our instruments—the Unicum and Victor, which have a setting device together with hand and pneumatic release; the Auto and Gem, which are automatic in action, and the Diaphragm, where the diaphragm opening serves as the shutter blades which open and close automatically All are thoroughly explained on other pages of this catalogue.

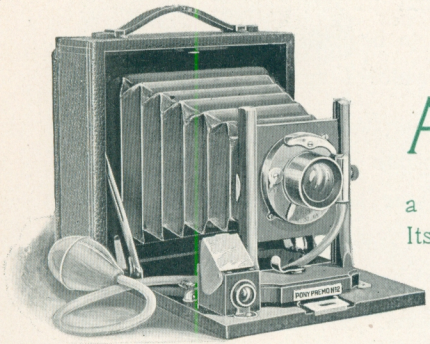
The Lens is the eye which sees and makes the picture. Upon the Lens depends, in a great measure, the quality of the view All Lenses which we supply with our instruments are fully guaranteed to do as represented, and satisfactory work can be accomplished with any of them.

A Book of Instructions, explaining the manipulation and the several parts of each Camera, is included with every outfit, which enables the beginner to understand thoroughly each feature.

With these few words of explanation, it is hoped a better knowledge of the parts of a Camera may be gained by those starting in the beauties of photographic art.



PONY PREMO No. 2.





A NEW Camera in the field. The PONY PREMO No. 2 is an addition to our already very complete line of hand Cameras, and was made at the solicitation of a great number of regular dealers and amateur friends. Its price is the prime factor, taking into consideration its quality and workmanship, it being made in the same thorough manner as the entire line under this name, mahogany woodwork entering into the construction, all dove-tailed together, with metal parts of brass, highly polished and lacquered. The covering is selected Morocco grain leather with leather handle.

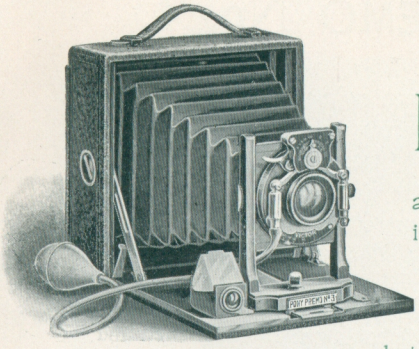
A brilliant hooded view finder is conveniently placed on the bed of the instrument, as well as our new double spirit level. The bellows is cone shaped, of red Russia leather. It is equipped with the rising and falling front and tripod plates, for use with tripod. The reversible back is also supplied, enabling the operator to change the position of the plate from horizontal to vertical, without disturbing the focus when once obtained.

The new Gem Shutter is a special feature, automatic in action, and simple in construction and manipulation. No setting device is required, simply a pressure on the bulb or exposure lever, making the exposure. It is fitted with Iris Diaphragms, finger and pneumatic release, and is regulated for instantaneous, time or bulb exposures.

We supply the Rapid Rectilinear Lens of double combinations, giving an even exposure and brilliant effect, the whole forming as perfect an outfit as could be desired. A carrying case accommodating the Camera in one end and the plate holders in the other, is included at the price.

PRICE.

	4 x 5
Camera complete, - - - -	$8.00
Premo Double Plate Holder, - - -	.60



PONY PREMO No. 3.

IN the reconstruction of our large line of high grade Cameras for this season, we first introduce our new model, PONY PREMO No. 3, which is particularly adapted for those desiring a strictly up-to-date instrument in compact form with all the essential requirements of the modern apparatus.

This Camera is destined to become very popular with all classes, not only for its many valuable features, but on account of its extremely low price. The wood parts are highly polished mahogany, dovetailed—all brass work polished and lacquered. Equipped with a hooded brilliant View Finder, and double Spirit Level of original design, insuring a perfect reproduction of the view. It has the Reversible Back, enabling the operator to change the position of the plate from horizontal to perpendicular without disturbing the Camera when once adjusted.



The Swing Back, with which it is fitted, is also a feature only found in the better grade of instruments, allowing tall buildings or the depths of low valleys to be photographed without distortion. The Rising Front and plate for tripod use is also furnished.

The Shutter is the renowned Victor pattern, working automatically from one one-hundredth of a second to one second, fitted with pneumatic as well as finger release, together with Iris Diaghragms.

The Lens is the Rapid Rectilinear, formed of double combinations, the whole making one of the most complete instruments manufactured.

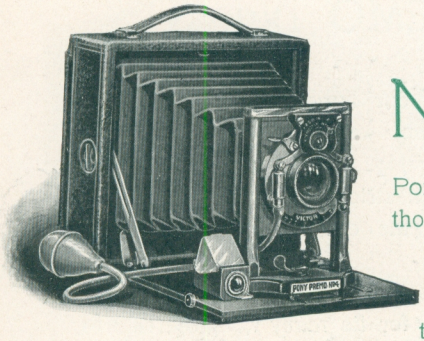
A black sole leather case, fitted with handle for carrying purposes, together with PREMO Holder, comprises the outfit.

PONY PREMO No. 3 is made in 4 x 5 size only.

PRICE.

	4 x 5
Camera complete,	$11.00
Premo Double Plate Holder,	.60
Cartridge Roll Holder,	5.00
Shoulder Strap,	.25

PONY PREMO No. 4.



NO more satisfactory Camera can be conceived for general purposes where compactness, rigidity, quality and appearance are taken into consideration, than the PONY PREMO No. 4, Its price should certainly appeal to those desiring a moderate priced instrument, embodied with modern ideas.

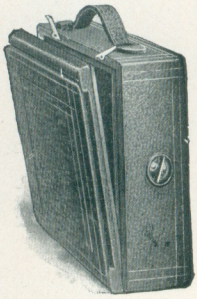
Pony Premo No. 4 is made of mahogany, dove-tailed together, trimmed with metal parts of polished and lacquered brass, and when opened, presents a very handsome appearance. The outside is covered with fine black leather.



The back is reversible, and is fitted with the central swing, readily adjusted by turning a clamp on either side of the Camera The front is adjustable for varying the amount of sky and fore-ground, and the hooded brilliant View Finder is placed in a convenient position on the bed, together with the double Spirit Leveling device.

It is also supplied with fine rack and pinion focusing attachment placed conveniently on the bed.

The equipment consists of Victor Shutter with Iris Diaphragms, finger and pneumatic release, regulated for time and instantaneous exposures, and is fitted with the high grade Rochester Symmetrical Lens, conceded a reputation superior to any other of its class.



A hinged panel at the back permits the full sized image to be seen while focusing on the ground glass.

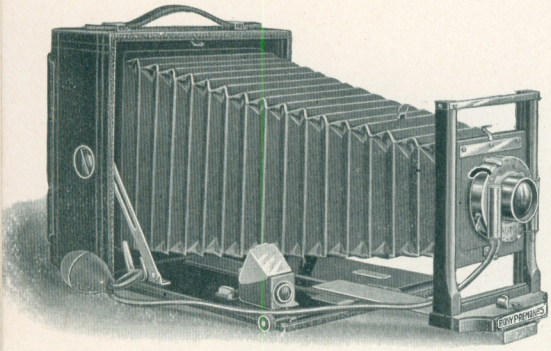
PRICE.

	4 x 5	5 x 7
Camera complete, - -	$15.00	$19.00
Wide Angle Lens, extra, - -	5.00	6.00
Premo Double Plate Holders, -	.60	.80
Cartridge Roll Holder, - -	5.00	6.50
Shoulder Strap, - - -	.25	.25



OLD FRIENDS.

Made with Pony Premo No. 5.



PONY PREMO No. 5.

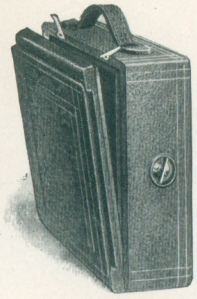
FOR those desiring a strictly high grade Camera with all modern improvements, and in compact form, we recommend Pony Premo No. 5. The focal length is greater than in the Pony Premo No. 4, which increases its value in many respects, making it an ideal instrument for wheelmen and tourists, for whom it was designed.



The construction throughout is of selected mahogany, thoroughly seasoned and dovetailed together; the trimmings are of polished and lacquered brass, giving by the contrast a very pleasing effect. The outside is covered with Morocco grain leather, the bellows being made of the best red Russia leather, and lined with rubber gossamer cloth, making it absolutely impervious to light. The increased draw is manipulated by a fine Rack and Pinion focusing attachment, conveniently placed upon the bed, insuring perfect adjustment.

The back is reversible, permitting horizontal or vertical views to be taken at will, without disturbing the position of the Camera when the focus has once been obtained, which is particularly valuable when using a Tripod. The Camera is supplied with a rising front for the regulation of the sky and foreground, and central swing back, which is indispensable in photographing tall buildings or low places beneath a common level. This swing is an exceedingly neat device, readily adjusted by simply turning a clamp on either side. The Spring Actuated Ground Glass Screen for insertion of Plate Holder, and a panel which may be dropped for focusing purposes, are fitted to the back.

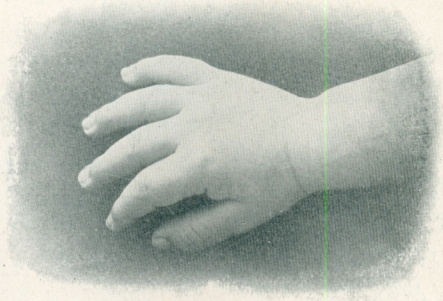
A brilliant hooded View Finder is attached in a convenient position on the bed, insuring perfect alignment of the view on the plate, the image is reflected on a convex lens on top of the finder by means of which an exceedingly brilliant view is obtained and in the same proportion to the view as it will appear in the print; together with double Spirit Level, which is of inestimable value in obtaining the correct position of the Camera.



The Shutter is our new Auto, the most complete and thoroughly reliable ever placed on a Camera. There is no intricate mechanism to get out of order, the manipulation being extremely simple. It has Iris Diaphragm, finger and pneumatic release for time, bulb and instantaneous exposures, and works automatically on exposures from one one-hundredth part of a second to one second or any intervening fraction thereof, as well as bulb and time exposures of any desired duration It is always set, ready for use, a pressure of the bulb or release only being required for an exposure. It is equipped with a retarding device, so that it works without noise or vibration, and is self contained, all working parts being enclosed in an outer case, preventing injury or accumulation of dust or other foreign substance, the whole forming one of the most unique, compact and perfect Shutters ever constructed.

Our high grade Rochester Symmetrical Lens is supplied, which is perfectly rectilinear and free from distortion, having a great depth of focus and perfectly flat field, and is one of the best Lenses ever constructed for general work of every description. It is furnished also with Auto Shutter and Zeiss Series IIA Lens as listed, which has no equal for Hand Camera work; its great depth of focus, perfectly flat field, even illumination and superior optical qualities, appealing directly to those desiring a lens whose microscopic definition and freedom from astigmatism are prime factors. They are particularly adapted for large heads, figures and groups, as well as all general or out-door photography. They embrace an angle of about eighty degrees, the speed being ample for all instantaneous exposures.

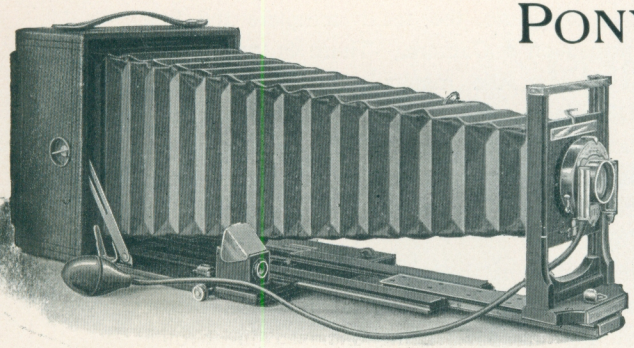
The complete outfit is contained in a handsome black sole leather case, accommodating the Camera in one end and plate holders in the other, together with handle for carrying purposes. One Premo Plate Holder is included in the outfit.



PRICE.

	4 x 5	5 x 7	6½ x 8½
Camera complete, with Carrying Case and one Plate Holder,	$22.00	$26.00	$38.00
Camera complete, with Zeiss Series IIA Lens,	56.50	70.00	92.50
Camera without Lens or Shutter,	15.00	18.00	28.00
Wide Angle Lens,	5.00	6.00	9.00
Premo Double Plate Holders,	.60	.80	1.25
Cartridge Roll Holder,	5.00	6.50	——
Shoulder Strap,	.25	.25	.25

PONY PREMO No. 6.



THE PONY PREMO No. 6 stands pre-eminent, and is the most complete and popular of all hand Cameras. It is in reality the acme of perfection in Camera manufacture. It inherits every good point that is possible to acquire for the production of absolutely perfect photographs. The great popularity enjoyed by it last season is best assurance of its capabilities.



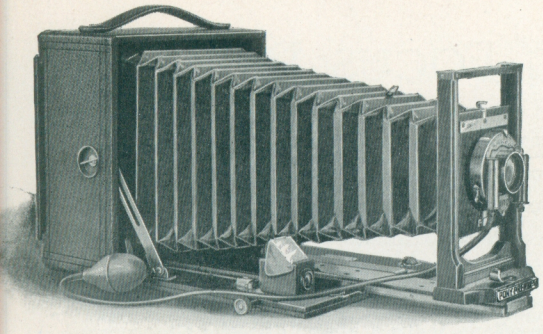
It is constructed in the best possible manner, of selected mahogany, dovetailed together, handsomely covered with fine black cow-hide, the metal work being of brass, polished and lacquered. For copying or other work requiring the use of Long Focus Lenses, the instrument is especially adapted; an automatic double acting Rack and Pinion, together with double extension bed, being the latest acquisition. One Pinion only is used to rack out both beds, the top bed or extension locking itself to the bottom bed or extension automatically, as the Pinion is turned forward, and unlocking automatically as the Camera front is racked back to position.

Our unique Swing Back, adjusted at centers, which is optically correct, is so arranged that a clamp at the side operates it, no intricate mechanism being required.

The instrument is supplied with Reversible Back, for convenience in taking either horizontal or vertical views; Rising Front for regulating sky and foreground; brilliant hooded View Finder, accurately showing the view as it will appear on the finished print; double Spirit Level of unique design, and two sockets for use with the Tripod.

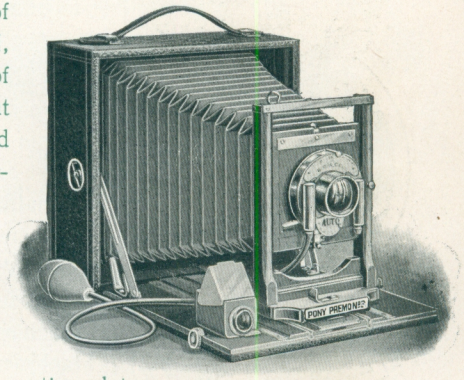
The new Auto Shutter, working on purely automatic principles, fitted with Iris Diaphragm, Finger and Pneumatic Release, hose and bulb attachment, with time, bulb and instantaneous exposures; forms a prominent part of the outfit.

We supply Pony PREMO No. 6 with four distinct styles of Lenses, as listed:—The Rochester Tele-Photo (or three



focus); the Zeiss Convertible Anastigmat, Series VIIA, the Goerz Double Anastigmat, Series III, and the Voigtlaender Collinear, Series II. The first mentioned is on the order of the Rochester Symmetrical, except that it has three distinct foci, and can be used in combination, or either single combination separately. In using one combination only, the front lens may be removed and the rear lens alone used, which nearly doubles the size of the image on the ground glass, by removing the rear combination and substituting the front further increases the size of the image.

The Zeiss Convertible Anastigmat, Series VIIA, Lens, embraces these several advantages, besides its anastigmat qualities, which are unsurpassed, they having an absolute flat field, great depth of focus and brilliancy of definition. The Goerz Double Anastigmat, Series III, is of exceptional speed, depth of focus and evenness of illumination. The back lens, the focus of which is about double that of the entire objective, may by itself be used as a landscape lens, while both combinations are particularly adapted for portraiture.

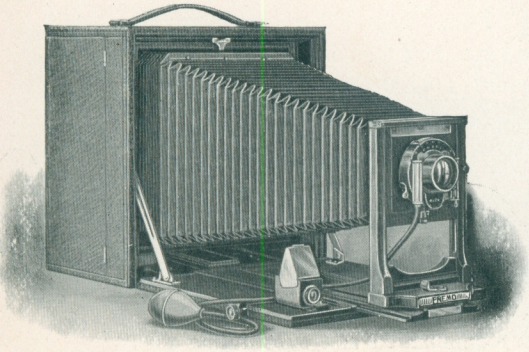


The Voigtlaender Collinear Series II, is of double foci, possessing very great speed, depth of focus and covering power, the astigmatism being completely corrected and even when used with full aperture, yielding a perfectly sharp and brilliant image over the entire plate.

A black sole leather Carrying Case, with handle, and one Premo Plate Holder comprise the outfit.

PRICE.

	4 x 5	5 x 7	6½ x 8½	8 x 10
Camera complete, with Tele-Photo or Three-Focus Lens,	$30.00	$ 36.00	$ 48.00	$ 58.00
Camera complete, with Zeiss Convertible Series VIIA Lens,	91.00	111.00	162.00	221.50
Camera complete, with Goerz Double Anastigmat Series III Lens	76.00	88.50	123.00	161.50
Camera complete, with Voigtlaender Collinear Series II Lens,	71.50	81.50	124.50	159.00
Extra for Diaphragm Shutter in place of Auto,	9.00	10.00	12.00	14.00
Wide Angle Lens, extra,	5.00	6.00	9.00	12.00
Premo Plate Holders,	.60	.80	1.25	1.50
Cartridge Roll Holder,	5.00	6.50	——	——



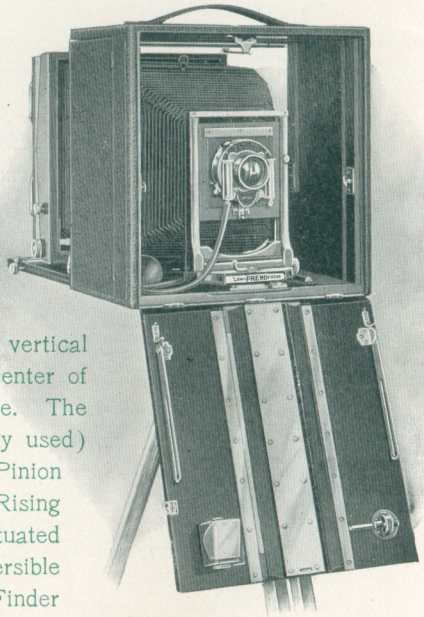
LONG FOCUS PREMO.

THE Long Focus PREMO, owing to its adaptability to a wide range of work, is a style that has found great favor among a very large number of advanced amateur and professional photographers. As its name indicates, this style PREMO possesses an extra long Bellows, permitting the use of very long focus Lenses, as well as those usually furnished, and is especially adapted for copying purposes.

The wood work is composed of solid mahogany, dovetailed together, the outside covered with fine Morocco grain cow-hide; with metal parts of polished and lacquered brass, together with red Russia leather Bellows



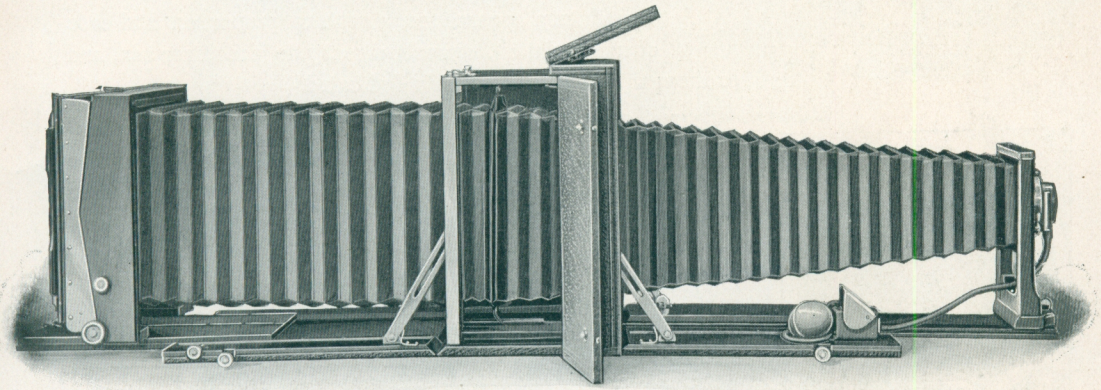
The extra length of draw is obtained by the addition of a folding back, which drops into position by simply touching a spring at the top. This forms a bed upon which the rear portion of the Camera containing the Ground Glass Screen will slide; the draw being operated in the rear, as well as at the front, by a fine Rack and Pinion focusing attachment.



The Double Swing Back, constructed on an improved plan, so that the horizontal and vertical swings both oscillate at the center of the plate, is a special feature. The vertical Swing (more generally used) is operated by a fine Rack and Pinion attachment It has both Rising and Sliding Front, Spring Actuated Ground Glass Screen, Reversible Back, Hooded Brilliant View Finder and double Spirit Level.

The new Auto Shutter, with Iris Diaphragm, Pneumatic and Finger Release, setting itself automatically on either time or instantaneous exposures, forms an important part of the equipment.

Four Lenses are listed with this Camera.. The Rochester Tele-Photo is a Lens of three foci, and can be used with double combination, or with either single combination as required. In using one combination only, the front Lens may be removed and the rear



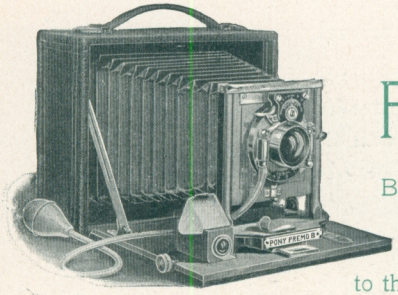
Lens used alone, which practically doubles the focus, and the view correspondingly, which can be further increased by removing the rear Lens and using the front combination in its place.

The Zeiss Convertible Series VIIa Lens embraces these advantages, besides its anastigmat qualities, giving a flatness of field and definition unsurpassed. The Goerz Double Anastigmat, Series III, and Voigtlaender Collinear, Series II, are of double foci, possessing very great speed, depth of focus and covering power, and even when used with full aperture, yielding a perfectly sharp and brilliant image over the entire plate.

Focal length, 4 x 5, 26 inches; 5 x 7, 34 inches; 6½ x 8½, 43 inches; 8 x 10, 55 inches.

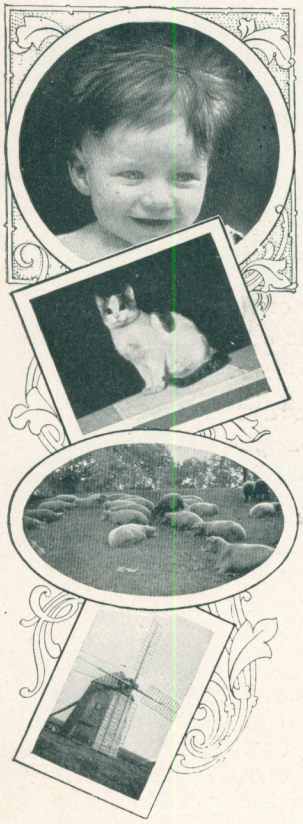
PRICE.

	4 x 5	5 x 7	6½ x 8½	8 x 10
Camera complete with Tele-Photo Three Focus Lens,	$30.00	$ 36.00	$ 48.00	$ 58.00
Camera complete with Zeiss Convertible Series VIIa Lens,	91.00	111.00	162.00	221.50
Camera complete with Goerz Double Anastigmat Series III Lens,	76.00	88.50	123.00	161.50
Camera complete with Voigtlaender Collinear Series II Lens,	71.50	81.50	124.50	159.00
Extra for Diaphragm Shutter in place of Auto,	9.00	10.00	12.00	14.00
Wide Angle Lens	5.00	6.00	9.00	12.00
Premo Plate Holders,	.60	.80	1.25	1.50
Black Sole Leather Case,	2.00	2.50	3.50	4.50



PONY PREMO B.

FOR the tourist, wheelman and ladies especially, who desire a Camera in the most compact form, and of smaller proportion than is necessary with the Reversible Back, we take pleasure in presenting the Pony PREMO B. The dainty appearance, exquisite proportion and ease of manipulation, appeals directly to the fairer sex, and to them the Pony PREMO B is dedicated.



The Camera is constructed in the very best possible manner, all wood parts of finest polished mahogany, dovetailed together, trimmed with polished and laquered brass, covered handsomely with the finest grade Morocco grain leather, with red Russia leather Bellows, made cone shape, giving the entire Camera a genteel and beautiful appearance.

All essential features are supplied, such as the Rising and Falling Front, for the regulation of sky and foreground; a fine Rack and Pinion for convenience in focusing, Spring Actuated Ground Glass Screen for the insertion of Plate Holder, Hooded Brilliant View Finder for accurately locating the view, and handsome double Spirit Level of delicate proportion.

The high grade Victor Shutter is one of the prerequisites, fitted with Iris Diaphragms, Finger and Pneumatic Release, with bulb and hose attachment, working from one second to one one-hundredth part of a second, and constructed especially for hand camera work.

The Rochester Symmetrical Lens is fitted to the Shutter, possessing great power and definition, and giving details not obtained by any other Lens of this class. A black Sole Leather Case is included in the outfit.

PRICE.

	3¼ x 4¼	4 x 5	5 x 7
Camera complete, -	$16.00	$16.00	$21.00
Wide Angle Lens, - -	5.00	5.00	6.00
Premo Plate Holders, -	.60	.60	.80
Cartridge Roll Holder, -	5.00	5.00	6.50
Shoulder Strap, - -	.25	.25	.25



DOUBLE COMBINATION.



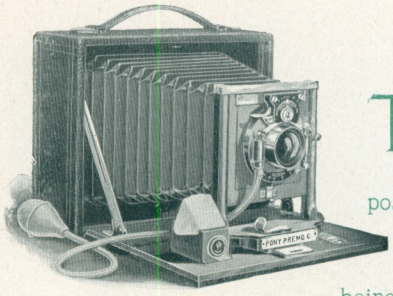
BACK COMBINATION.



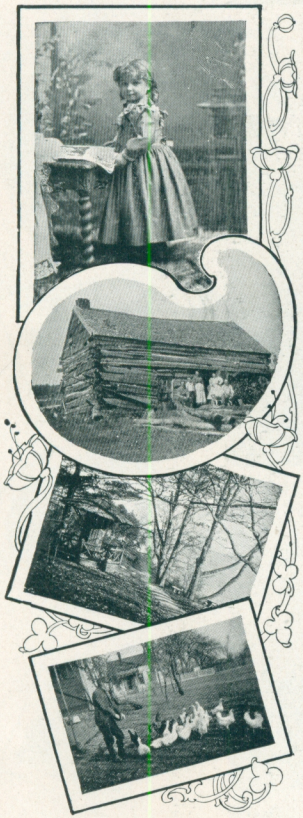
FRONT COMBINATION IN BACK.

Made with Pony Premo No. 6, fitted with Auto Shutter and Zeiss Series VIIa Convertible Anastigmat Lens, showing the relative sizes of the same picture without changing the position or distance of the camera from the object.
(REDUCED.)

PONY PREMO C.



THE PONY PREMO C is a very compact, fully equipped Camera, especially designed to meet the requirements of those desiring an instrument of merit, possessing such features as will adapt it for all round work, at a price within the reach of all. It is made in a very thorough manner, the details in construction being a prominent factor.



All wood parts are selected and seasoned mahogany, dovetailed together, hand rubbed and polished, the beautiful grain of the wood serving as a background for the polished lacquered brass fittings. The outside is covered with Morocco grain leather, giving it a very handsome appearance.

For the regulation of the sky and foreground in the finished print, a Rising and Falling Front is supplied, which is operated by a single set screw.

The back is equipped with Spring Actuated Ground Glass Screen, designed for the insertion of Plate Holder.

Two plates for use of Tripod, in taking either horizontal or vertical views; a Reversible brilliant View Finder, fitted with hood, for accuracy in locating the image to be photographed, and Double Spirit Level of original design, are provided.

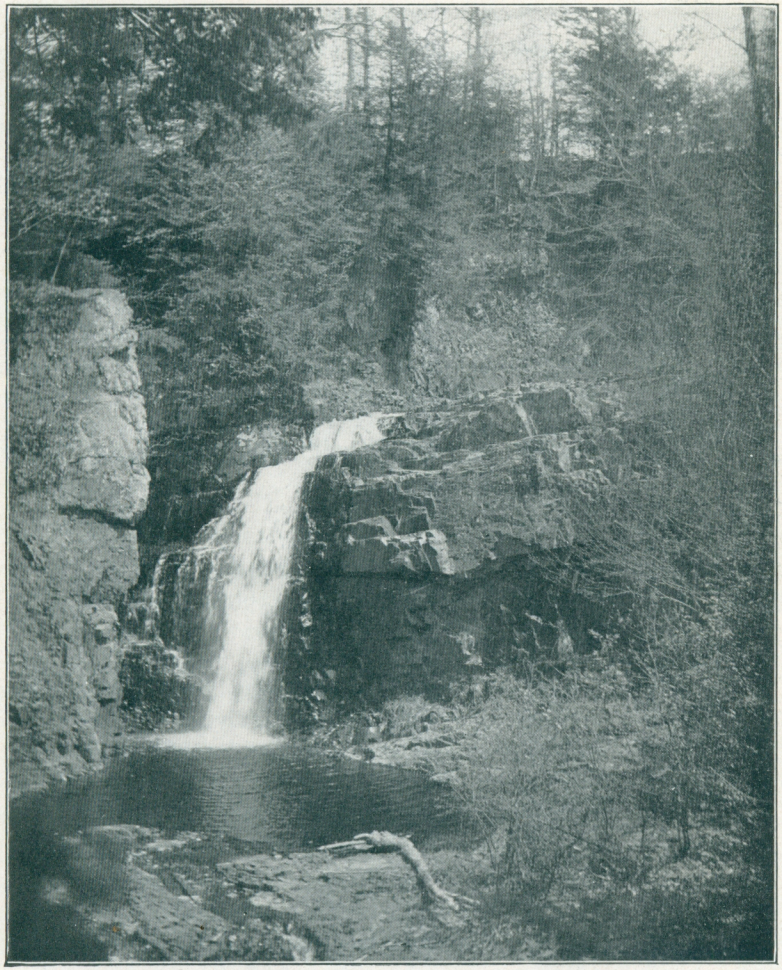
To the front is fitted the Victor Shutter, with Iris Diaphragms, pneumatic and finger release and bulb and hose attachment, working accurately from one second to one one-hundredth part of a second, as well as time exposures.

The Rapid Rectilinear Lens is supplied, having excellent speed, good depth of focus, yielding a brilliant negative of fine definition and detail.

A black Sole Leather Case, with handle, together with one Premo Plate Holder, is also furnished.

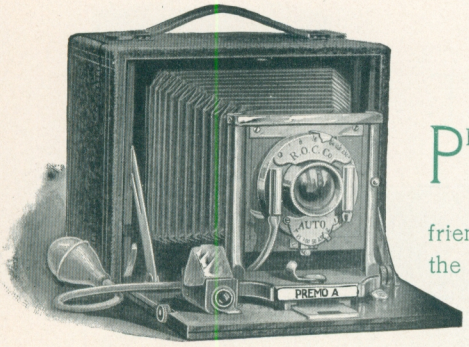
PRICE.

	4 x 5	5 x 7
Camera complete,	$12.00	$16.00
Premo Plate Holders,	.60	.80
Cartridge Roll Holder,	5.00	6.50
Shoulder Strap,	.25	.25



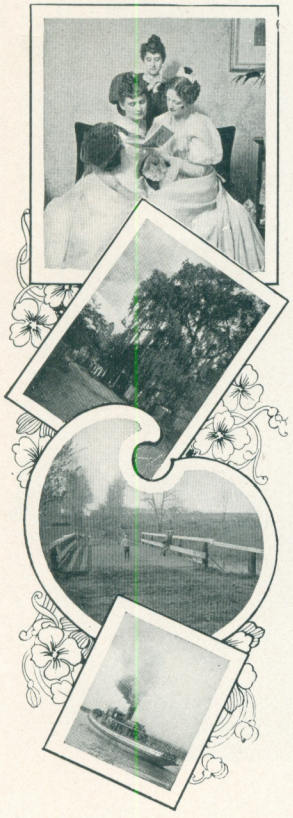
THE WATERFALL.

Made with Pony Premo B.



PREMO A.

PREMO A represents a type of hand Camera that has proved one of the most popular styles of the whole series. It has found great favor among those of our friends requiring a strictly high grade outfit, possessing the very latest improvements. The substantial construction, extreme compactness and portability, beauty of design, ease of manipulation, and general fine finish, are a few of its many prominent features. Many prefer this style to the more compact series, as a place is provided within the Camera proper for carrying Plate Holders.



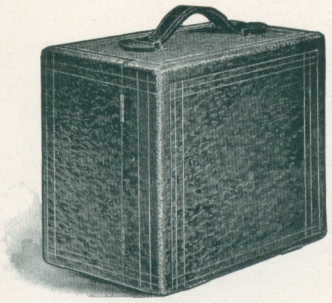
It is made from selected mahogany, dovetailed together, and highly polished, all metal parts are made of brass, highly polished and lacquered. The Camera proper is covered with fine black leather.

The Bellows is made cone shape, of the best selected red Russia leather.

The appearance of the Camera when open is extremely handsome, the finely finished mahogany bed and lacquered metal work being in perfect contrast with the black leather covering and red leather bellows.

Premo A has Double Swing Back, both swings operating at centers, which is optically correct, the manipulation requiring no intricate mechanism, they being adjusted in an instant by means of press buttons. Rising and Sliding Front for the regulation of sky and foreground, when the instrument is used either in a vertical or horizontal position, and Rack and Pinion for convenience in focusing, the working parts of which are entirely within the case; when closed it is merely a neat, leather covered box.

There are fitted two plates for use with the Tripod, and a panel at the back for focusing on the Ground Glass when desired.



A Reversible Brilliant View Finder, hooded, is attached to the bed for upright or horizontal pictures, and a double Spirit Level of unique proportion for leveling purposes.

The Ground Glass is spring actuated, receding to allow insertion of Holder, returning to its normal position when Holder is withdrawn, and securing the holder firmly in place while the view is being taken.

The new Auto Shutter, with Iris Diaphragm and Pneumatic Release, setting itself automatically, is furnished, and forms a prominent part of the outfit. It works between the Lenses without noise or jar, and may be adjusted for time, instantaneous and bulb exposures. It is unique in design, and is the only shutter made that is self-contained in its own case, all working parts being concealed, preventing injury or the accumulation of foreign substances.

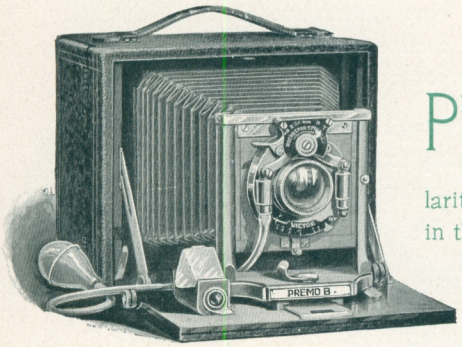
The Lens is the Rochester Symmetrical, possessing great power, is perfectly rectilinear, free from distortion and all objectionable features. It has great depth of focus, perfectly flat field, and is adapted for portraits, groups, architectural work or general out-door use, and is constructed especially for hand Camera work. It may be removed from the Shutter, and Wide Angle substituted, as the cells of both Lenses are interchangeable.

This Camera is also listed with Zeiss Anastigmat Lens, Series IIA. This Lens yields an absolutely flat image, free from astigmatism, sharply defined to the extreme edges of the plate, and the speed is such as to particularly commend it for hand Camera use. It includes an angle of about 80 degrees, and is particularly adapted for portrait work as well as out-door viewing.

In addition to the flatness of field, this Lens gives an unusual evenness of illumination, combined with great depth of focus, and is perfectly adapted for making large heads, figures, groups, etc., as well as for general instantaneous work.

PRICE.

	4 x 5	5 x 7	6½ x 8½	8 x 10
Camera complete with Rochester Symmetrical Lens,	$20.00	$24.00	$36.00	$ 45.00
Camera complete with Zeiss Anastigmat Lens, Series IIA,	54.50	68.00	90.00	109.00
Camera without Lens and Shutter,	13.00	16.00	26.00	35.00
Wide Angle Lens,	5.00	6.00	9.00	12.00
Premo Plate Holder,	.60	.80	1.25	1.50
Cartridge Roll Holder,	5.00	6.50	——	——
Black Sole Leather Case,	2.00	2.50	3.00	4.00



PREMO B.

PREMO B has met with such a flattering reception by the best amateur and professional photographers at home and abroad as to insure its increased popularity during the coming season. Space has been provided in the rear for the accommodation of three Plate Holders or Roll Holder, all being self-contained within the Camera box. When either open or closed the Camera presents a very handsome and substantial appearance. As a carrying case is not essential, many prefer this style to the more compact or Pony Series, the back of the Camera serving as a receptacle for the holders.



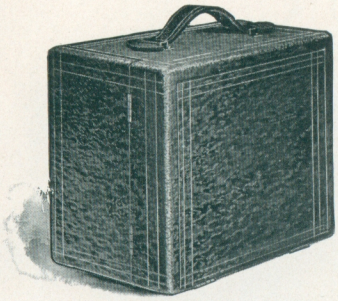
The covering is fine Morocco grain cow-hide, the wood parts all thoroughly seasoned selected mahogany dovetailed together, trimmed with metal parts of polished and lacquered brass. The Bellows is constructed of red Russia leather, lined with light-tight rubber cloth, and is cone shaped.

This practical instrument is equipped with all the essential features for modern photography, it being supplied with Rising and Falling Front, so that the sky and foreground may be regulated in the view as occasion requires.

The Swing Back, which is operated at direct centers, and is adjusted by means of a press button, is of inestimable value in photographing tall buildings, or anything above or below the level, preventing distortion.

The Ground Glass Screen is spring actuated for the reception of the Plate Holder, it receding when plate holder is inserted, holding it firmly in position while the view is being made and returning to original position when holder is withdrawn.

A Rack and Pinion is located on the bed for convenience in focusing. A panel is adjusted at the back, enabling the operator to obtain a clear view of the image on the Ground Glass, which is particularly desirable when using a tripod. Two tripod plates are so situated that either horizontal or vertical views may be taken when using a tripod.



A Hooded Brilliant View Finder is placed on the bed in a convenient position, accurately locating the view as it will appear on the Ground Glass and the finished print, the image is reflected on a convex lens on top of the Finder, by means of which an exceedingly brilliant view is obtained. The image appears in the Finder nearly as brilliant and as plain as the object appears to the eye.

The double Spirit Level is also an important factor, as it enables the operator to obtain the exact level of the Camera, preventing distortion.

The Victor Shutter, having both finger and pneumatic release, bulb and hose attachment and Iris Diaphragms, arranged for time and instantaneous exposures, is one of the finest features of this outfit; it works between the lenses, and may be easily and quickly regulated for any desired speed; it is practically noiseless and perfectly free from vibration, having the retarding device, which is only provided with the better grade of Shutters.

The Lens is the Rochester Symmetrical, adapted for all general work, and made especially for use with our Cameras; it is particularly designed for portraits, groups, landscape and instantaneous work. Having a great depth of focus, flat field, even illumination and splendid definition, it is perfectly rectilinear and free from distortion. This Lens may be removed from the Shutter and the Wide Angle substituted when desired, as the cells of both are interchangeable.

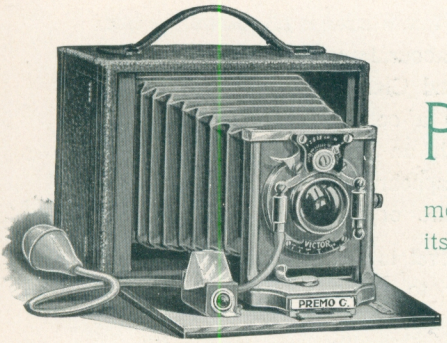
The Wide Angle Lens embraces a field about 25 degrees greater than the Rochester Symmetrical, and is necessarily slower in action. It is intended more especially for interiors and subjects in close quarters This Wide Angle Lens is on the same order as the Rochester Symmetrical, and will be found superior for all classes of work requiring a lens of this character.



One Premo Plate Holder is included in the outfit.

PRICE.

	3¼ x 4¼	4 x 5	5 x 7
Camera complete,	$15.00	$15.00	$20.00
Wide Angle Lens,	5.00	5.00	6.00
Premo Plate Holders,	.60	.60	.80
Cartridge Roll Holder,	5.00	5.00	6.50
Black Sole Leather Carrying Case,	2.00	2.00	2.50



PREMO C.

PREMO C is a universal favorite among all desiring a high grade Camera at moderate cost, and who do not care for the elaborate features possessed by the more expensive outfits. Its great popularity fully attests its merits, as it has proved to be one of the leading styles of the entire series.

It is made of mahogany, dovetailed together, handsomely finished with metal work of polished and lacquered brass. The same care is exercised in its construction throughout as the more expensive instruments, and for a high grade Camera, possessing modern improvements, at a moderate price, it stands second to none.



Our new Central Swing Back and Rising Front are fitted, adapting the Camera for both hand and tripod work. The Rising Front is a feature of value, as it is used in the regulation of sky and foreground, when occasion requires.

A reversible hooded Brilliant View Finder is fitted to the bed for both vertical and horizontal pictures; a double Spirit Level, insuring proper position to the Camera, and two Plates for attaching the Camera to a Tripod. The Ground Glass Screen is spring actuated, and recedes to allow the insertion of the Plate Holder.

Premo C is furnished with the Victor Shutter, having Iris Diaphragm, finger and pneumatic release and bulb and hose attachment. It may be quickly set for time, instantaneous and bulb exposures.

The Rapid Rectilinear Lens, of double combinations, having good depth and even illumination, is supplied.

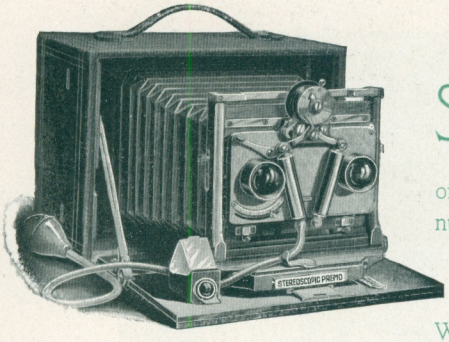
PRICE.

	4 x 5	5 x 7
Camera complete, - -	$11.00	$15.00
Premo Plate Holder, - -	.60	.80
Black Sole Leather Carrying Case,	2.00	2.50



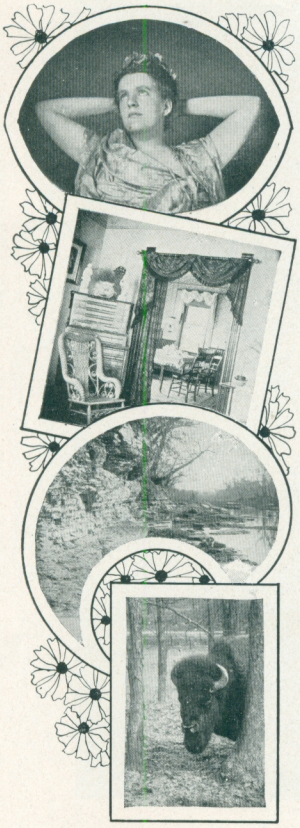
IN NEW YORK HARBOR.

Made with Premo B.



STEREO PREMO.

STEREOSCOPIC photography is one of the most interesting branches of the art, and as the Premo Camera is now designed especially for this class of work, it will undoubtedly gain favor among a large number of amateurs who have never heretofore realized the pleasure to be derived from the production of stereoscopic pictures.



We list the Stereo Premo in two styles, which are identical with Premo A or Premo B, with the exception of the wide front and stereo partition, which are made necessary for this class of instrument. The several meritorious features are combined in the Stereo as are found in the folding series.

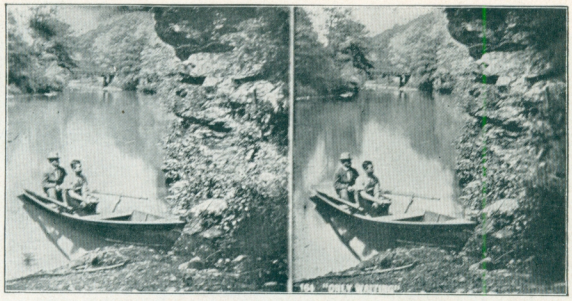
As in all of our other styles, the wood-work of the Stereo is solid mahogany, which is dovetailed together, making it very strong and rigid. All brass parts are highly polished and lacquered, special care being taken for durability. The covering is the finest selected Morocco grain leather.

The Bellows is composed of red Russia leather lined with rubber cloth, making it absolutely light-tight. A very handsome as well as durable outfit is the result.

The Stereo Premo A is fitted with Double Swing Back, and the Stereo Premo B with Single Swing. Both are at centers and are operated without intricate mechanism. Both have the Rising Front for the regulation of sky and foreground, which is very essential in Stereo photography.

A fine Rack and Pinion is fitted in the bed in a convenient position for the operation of the front in obtaining a correct focus.

Our new hooded brilliant View Finder is attached to the bed, which insures a perfect reproduction, more especially when operating the Stereo as a hand Camera.



The Double Spirit Level is also supplied, which will be found of inestimable value in obtaining the correct position of the instrument, thereby preventing distortion.

We introduce in the Stereo Premo two separate Shutters: The Bausch & Lomb Stereo Shutter and the Unicum Stereo Shutter. The Bausch & Lomb Stereo Shutter has many desirable features, the actuating mechanism and pneumatic retarding device operating perfectly The exposure is made by two thin rubber blades opening vertically, the openings being diamond shaped. The opening and closing of the leaves is absolutely synchronous, making both pictures exactly alike; the speed regulator gives all speeds from one one-hundredth of a second to three seconds. Time exposures of any desired duration over three seconds may be made with the pneumatic or finger release, as desired.

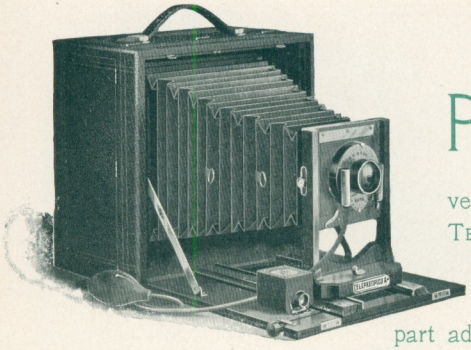
The Unicum Stereo Shutter is made on the same general principles as the regular Unicum Shutter, which bears a world wide reputation. It is fitted with Iris Diaphragms, finger and pneumatic release, with bulb and hose attachment, and is regulated on fractions of a second to the one one-hundredth part up to and including one second. On time or bulb exposures, any desired time is available. The blades of both openings work in conjunction with each other, giving an equal exposure and illumination.

A matched pair of Lenses are supplied, free from distortion, with good depth of focus and excellent covering power, and fully guaranteed.

The Stereo Premo may be used for the purpose of making pictures the full size of the plate by adding a 5 x 7 Lens and Shutter. For this purpose the extra Lens and Shutter are mounted on a separate front board, so that the change from Stereo work to full size views requires but a moment's time.

PRICE.

	5 x 7
Stereo Premo A, with B. & L. Stereo Shutter,	$45.00
Stereo Premo A, with Unicum Stereo Shutter,	38.00
Stereo Premo B, with B. & L. Stereo Shutter,	40.00
Stereo Premo B, with Unicum Stereo Shutter,	33.00
Extra for 5 x 7 Auto Lens and Shutter,	12.00
Extra for 5 x 7 Victor Lens and Shutter,	10.00
Premo Plate Holders,	.80
Black Sole Leather Case,	2.50



TELE-PHOTO POCO A.

POCO Cameras have a world-wide reputation, not only in name but in the superiority of detail and workmanship. Their popularity is conceded by all versed in photographic requirements; especially has the TELE-PHOTO POCO A gained prominence as a complete long focus instrument.

The long draw is obtained by a double bed, the part adjusted to the front of the Camera sliding on the original bed by the aid of a fine Rack and Pinion focusing attachment, permitting the use of very long focus Lenses. Its mechanical and optical construction is perfect, meeting all requirements of any known Camera. All parts constructed of wood are of the finest selected, seasoned mahogany, dovetailed together, very highly polished; all metal parts and fittings of polished and lacquered brass; the body is covered with selected Morocco grain leather, with leather handle. The long bellows is made cone shape and is constructed of the finest red Russia leather lined with gossamer rubber cloth, which excludes every vistage of light,

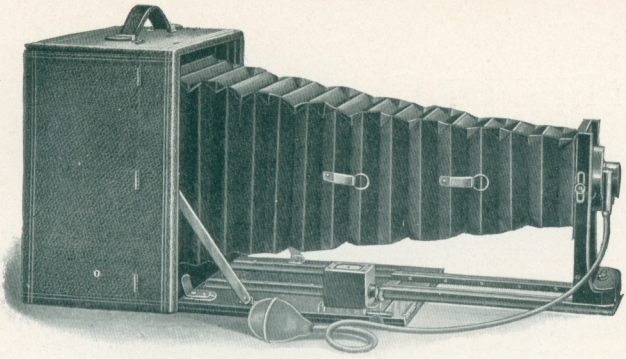


The reversing back enables the operator to photograph objects either horizontally or vertically, without changing the Camera or disturbing the focus, and is fitted with Spring Actuated Ground Glass Screen for the insertion of Plate Holder.

It has Double Swing Back, both swinging at centers, arranged for convenience and easy manipulation. The adjustments also include the Rising Front for the regulation of sky and foreground.

The Poco View Finder and Level combined is conveniently located on the Camera bed. Its field of usefulness is far superior to the ordinary Finder, as it may be utilized as a Level as well.

The new Auto Shutter with Iris Diaphragms, finger and pneumatic release and bulb and hose attachment, is regularly fitted. This Shutter is absolutely automatic in operation, no



setting device being required, merely a pressure of the bulb making the exposure; it is the most compact, neat and serviceable Shutter ever constructed.

The Shutter is fitted with the Tele-Photo Lens, requiring the long draw for which this Camera was designed. The front Lens may be removed and the rear combination alone used when taking views of objects at a distance, which nearly doubles the size of the image.

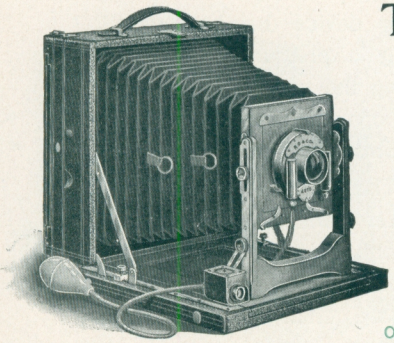
The Zeiss Convertible Anastigmat Series VIIa Lens of triple foci, is particularly adapted for this outfit; in using the rear combination alone the image will appear nearly double in size on the ground glass, which may be further enlarged by substituting the front combination. This feature is especially desirable in photographing objects at a distance, as a much larger image can be obtained. As each lens is a combination of its own, none of the detail is lost, the brilliancy and definition being as perfect as with both combinations. As the focal length of the Camera in 5 x 7 size is 18 inches, and the front combination of the Zeiss Lens is but 14 inches, the back being 11½ inches, exceptionally long distant views, as well as objects at very close range, may be photographed to an advantage not obtainable otherwise.

The Goerz Double Anastigmat and the Voigtlaender of double foci, are also listed, fitted with the new Auto Shutter. Either one of these Anastigmats are of exceptional value, having a great depth of focus, an absolutely flat field and wonderful covering power, even when used at full opening. Both the Goerz and Voigtlaender Lenses can be used with single combination or rear lens, which will nearly double the size of the image on the ground glass, and are therefore of great value in photographing scenery or objects at a distance, the same relative definition being given as where both combinations are used on objects within close range and with the less extended draw.

The Camera may be used for copying, or for any other purpose requiring an extra long Bellows and long draw.

PRICE.

	4 x 5	5 x 7	6½ x 8½	8 x 10
Camera complete with Tele-Photo Lens,	$23.00	$ 27.00	$ 40.00	$ 48.00
Camera complete with Zeiss Convertible Series VIIa Lens,	83.50	102.00	154.00	212.00
Camera complete with Goerz Double Anastigmat Lens,	69.00	79.00	114.50	151.50
Camera complete with Voigtlaender Collinear Lens,	64.00	72.00	116.00	150.00
Extra for Diaphragm Shutter in place of Auto,	9.00	10.00	12.00	14.00
Poco Plate Holders,	.60	.80	1.25	1.50
Olive Sole Leather Case and Shoulder Strap,	2.50	3.00	4.00	5.00



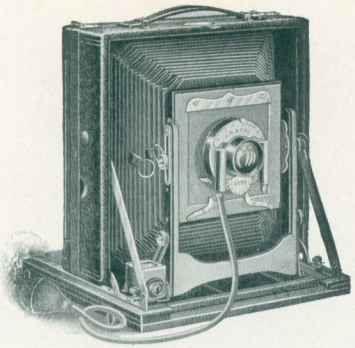
TELE-PHOTO CYCLE POCO B.

CAMERA perfection can be reached only after attaining a thorough knowledge of the optical and chemical qualities of Lenses with relation to Cameras, together with the requirements exacted by amateurs, and the adaptation of the instrument to the needs of both. No other Camera on the market has the facilities or the class of workmanship as embodied in the TELE-PHOTO CYCLE Poco B. It fills the demand of up-to-date ideas in photography and combines every adjustment that can be applied to a Camera.



All wood parts are made of highly polished mahogany, dovetailed together, and all brass parts are polished and lacquered. The outside is covered with best selected cowhide leather, with Morocco grain, making it very handsome and serviceable. It has swinging motion, both to the back and front. The back may be swung in either a horizontal or vertical direction, the front in a vertical plane; the advantage being that when the Camera is used for photographing objects either above or below its level, it may be tilted and the front and back swung parallel to each other and exactly vertical, giving advantage of a great rise and fall without distortion. The back of the Camera is arranged to slide up close to the front for use with Wide Angle Lenses, leaving no projecting bed to cut off the angle of view. A Lens of two inch focus can be used without the bed obstructing the view, still the extreme range of focus is available.

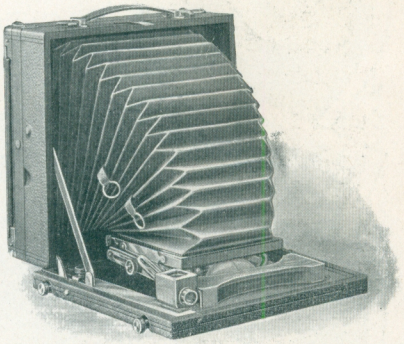
The back is reversible; when the view is wanted either horizontally or vertically, the change can be effected by simply reversing the back instead of the entire Camera. It has two fine Rack and Pinion focusing attachments, one at the front and the other at the rear; Rising and Falling Front,



Spring Actuated Ground Glass Screen, Poco View Finder and Level, and two Tripod Plates for balancing it on the Tripod at any adjustment.

The Auto Shutter, working automatically at any desired speed, with Iris Diaphragm, finger and pneumatic release, fitted with the Tele-Photo Lens, forms an important feature. The front lens may be removed and the rear combination used alone, when taking views of objects at a distance, whereby the image is nearly doubled in size; it is perfect rectilinear and free from distortion

The Zeiss Convertible Anastigmat, Series VIIA, the Goerz Double Anastigmat, Series III, and the Voigtlaender Collinear, Series II, are also listed, making an outfit that cannot be equalled. The Zeiss Convertible Series VIIA Lens is of three distinct foci, both combinations may be used or either single combination alone, with the same excellent definition. In using the rear combination, or lens only, the image will appear nearly double the size on the ground glass; in removing the rear lens and substituting the front combination, the image will be further increased in size. In making views of distant objects this series is of inestimable value.

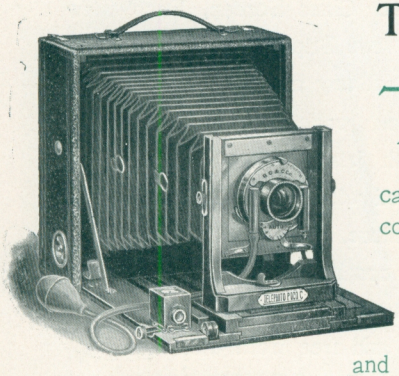


The Goerz and Voigtlaender are of double combination and may be used in the same manner by using the rear lens only.

An Olive Carrying Case, made of sole leather, holding Camera and Plate Holders, is also supplied. The 4 x 5 size not fitted with Diaphragm Shutter.

PRICE.

	4 x 5	5 x 7	6½ x 8½	8 x 10
Camera complete with Tele-Photo Three-Focus Lens,	$24.00	$28.00	$40.00	$48.00
Camera complete with Zeiss Series VIIA Lens, -	84.50	103.00	154.00	212.00
Camera complete with Goerz Double Anastigmat Lens,	70.00	80.00	114.50	151.50
Camera complete with Voigtlaender Collinear Lens,	65.00	73.00	116.00	150.00
Extra for Diaphragm Shutter in place of Auto, -	——	10.00	12.00	14.00
Wide Angle Lens, - - - - - -	5.00	6.00	9.00	12.00
Poco Plate Holders, - - - - -	.60	.80	1.25	1.50
Cartridge Roll Holder, - - - - - -	5.00	6.50	——	——



TELE-PHOTO CYCLE POCO C.

THIS Camera is designed especially for use of Lenses with more than one focus, and with the extreme length of draw all regular Lenses now on the market can be used with double and triple focus. For the accommodation of this long draw the bed is made in three sections, supplied with a fine Rack and Pinion focusing attachment for their operation.



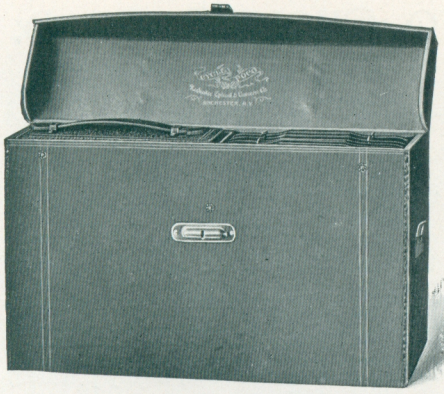
Solid mahogany, thoroughly seasoned, dovetailed together, and highly polished, is used for all wood parts. All brass work is polished and lacquered with the utmost care. The box is covered with selected Morocco grain leather, and fitted with leather handle. The Bellows is made of red Russia leather, cone shaped and flexible. It has the Rising and Falling Front, detachable Lens board, and our patent View Finder and Level combined.

This Camera is made with the Reversible Back. When views are desired either horizontally or vertically, the change can be affected in an instant by merely reversing the back, enabling the operator to make the change from one position to another without reversing the entire Camera or changing the focus in the least.

The new Swing Back is a special feature. Being operated by two set screws at the side, it can be adjusted at any reasonable angle and held securely in that position almost instantly. This Swing is supplied with no intricate mechanism whatever, and is so simple that it is impossible to get out of order. It has our Spring Actuated Ground Glass Screen.

The Auto Shutter, with finger and pneumatic release, setting itself automatically on either time or instantaneous exposures, is regularly supplied.

The Shutter is fitted with the Tele-Photo Three-Focus Lens. The front Lens may be removed and the rear combination used alone, which nearly doubles the size of the image; or the rear combination may be removed and the front Lens substituted, which gives a still larger image.



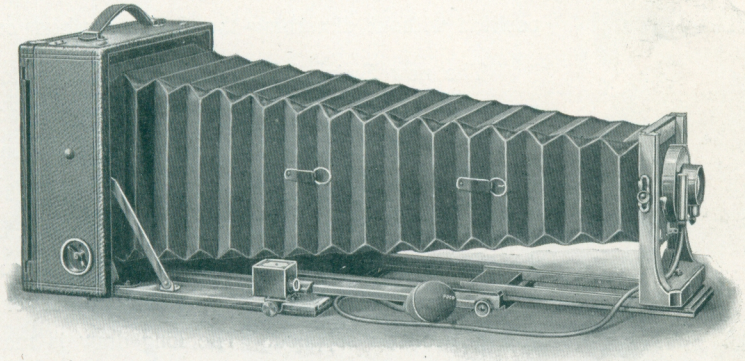
The following Lenses are also listed:

The Zeiss Convertible Anastigmat Series VIIA, of three foci, which is particularly adapted for Hand Camera work. Either the back or front combination can be used alone, or both combinations together.

The Goerz Double Anastigmat Series III, which is universal in character, of exceptional speed, depth of focus evenness of illumination and absolutely flat field. The back Lens, the focus of which is about double that of the entire objective, may by itself be used as a landscape Lens, while both combinations are particularly adapted for portrait work.

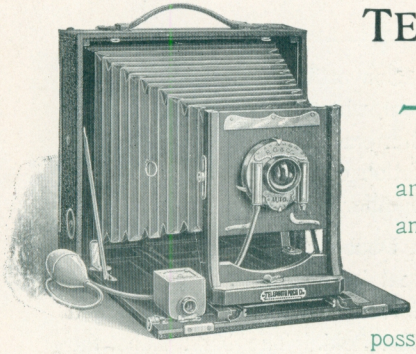
Or, the Voigtlaender Collinear Series II, which is conceded a reputation second to none for its superior optical qualities.

A sole leather case is furnished of olive brown color, for the accommodation of Camera and Plate Holders.



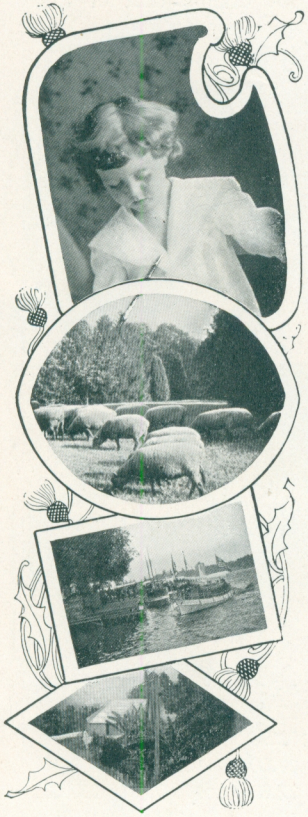
PRICE.

	4 x 5	5 x 7	6½ x 8½	8 x 10
Camera complete, with Tele-Photo Three-Focus Lens,	$23.00	$ 27.00	$ 40.00	$ 48.00
Camera complete, with Zeiss Convertible VIIA Lens,	83.50	102.00	154.00	212.00
Camera complete, with Goerz Double Anastigmat Lens,	69.00	79.00	114.50	151.50
Camera complete, with Voigtlaender Collinear Lens,	64.00	72.00	116.00	150.00
Extra for Diaphragm Shutter in place of Auto,	9.00	10.00	12.00	14.00
Poco Plate Holders,	.60	.80	1.25	1.50
Cartridge Roll Holder,	5.00	6.50		



TELE-PHOTO CYCLE POCO D.

THE reputation gained, and the popularity accorded the TELE-PHOTO CYCLE POCO D, places it high among the leaders as an instrument of utility, practicability and acknowledged identity. The long draw and compact form appeals to those desiring all the essential features of a high class instrument, in as small a compass as possible. The portion constructed of wood is all selected, seasoned mahogany, dovetailed, hand rubbed, highly polished, and covered with seal grain Morocco leather.

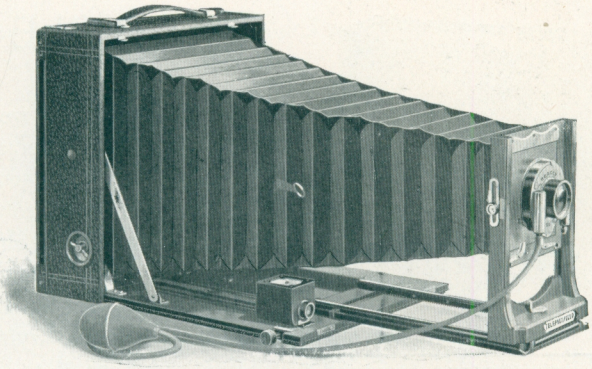


All metal parts are polished and lacquered brass. The cone shaped Bellows is composed of red Russia leather, thin and flexible, lined with rubber gossamer cloth, which is absolutely impervious to light. It has the Reversible Back, enabling the operator to change from horizontal to vertical position without disturbing the Camera when once focused.

The new Swing Back lends prominence to its ease of manipulation, it being operated by two set screws at the side. By simply loosening, any reasonable angle can be acquired instantly, and held securely by again tightening.

For the reception and security of the Plate Holder, the Spring Actuated Ground Glass Screen is provided. For the elimination of sky and foreground when expedient, the Rising Front is supplied. The long draw is manipulated by a fine Rack and Pinion focusing attachment conveniently placed, enabling accurate focusing, especially when using a Tripod.

Our patent combined View Finder and Level, accurately adjusted, forms a complete device for not only locating the view, but leveling the Camera as well, preventing distortion and perversion.



The Auto Shutter, fitted with Iris Diaphragms, finger and pneumatic release, is adjusted to the front board. The Shutter is automatic when working on either time, bulb or instantaneous exposures, by simply adjusting an index to the prescribed speed, no setting device being required; a pressure of the release lever or squeeze of the bulb making the exposure. It is the most unique and compact Shutter ever constructed for hand Camera use. It is supplied with the retarding device, and consequently works without jar or vibration. It is self-contained within its own case, all working parts, except the pumps, being entirely enclosed, preventing injury or the accumulation of dust.

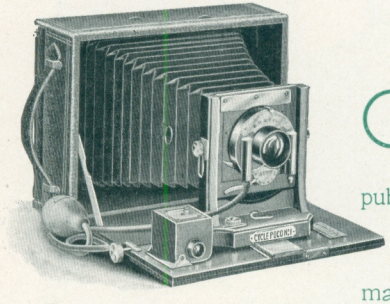
The Tele-Photo Lens, or the Zeiss Anastigmat Series IIA Lens, is regularly provided as listed. The Tele-Photo Lens may be used in combination, or with single Lens, as desired. It is extremely valuable on long distance views or nearby work. By removing the front combination and using the rear Lens alone, the view is nearly doubled in size, and with both combinations, excellent portrait work may be accomplished.

The Zeiss Anastigmat, Series IIA Lens, is well adapted to all classes of high grade work, such as out door views, portraits, groups or for copying purposes. It embraces an extremely sharp definition, absolutely flat field and great depth of focus. Its anastigmat qualities are perfect, absolutely straight lines being the result, even when used with full opening and on close objects, and is eminently superior for hand Camera work.

An olive brown sole leather Case, together with one Poco Plate Holder, is supplied with the outfit.

PRICE.

	4 x 5	5 x 7	6½ x 8½	8 x 10
Camera complete with Tele-Photo Lens,	$21.00	$24.00	$36.00	$ 42.00
Camera complete with Zeiss Anastigmat Series IIA Lens,	55.50	68.50	89.50	116.50
Poco Plate Holder,	.60	.80	1.25	1.50
Cartridge Roll Holder,	5.00	6.50	——	——



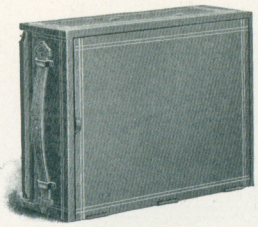
Cycle Poco No. 1.

CYCLE Cameras were first introduced in the year 1895, and were especially designed for wheelmen. Since their advent, tourists, huntsmen, canoeists, and the public in general, have demonstrated their practicability and advantages over other styles. At present they are the most popular Cameras that we manufacture. Other manufacturers, seeing their worth, have copied the style as closely as possible, trying to avoid our patents. This alone should commend it to the trade in general. For wheelmen, there is nothing so pleasing as photography in connection with their tours, as it calls to mind the many beautiful scenes through which they have passed. The Cycle Poco is the wheelmen's companion, being very light and compact, and can easily be carried on the wheel without inconvenience.



Cycle Poco No. 1 has all the adjustments that the less compact Cameras have, and is manipulated in the same manner. All wood parts are made of the best seasoned mahogany, dovetailed, highly polished; trimmed with polished and lacquered brass, showing a most beautiful contrast in combination. The covering is selected Morocco grain cow-hide leather, adopted for its wearing qualities, with leather handle, and is entirely self-contained when closed, no metal parts being visible.

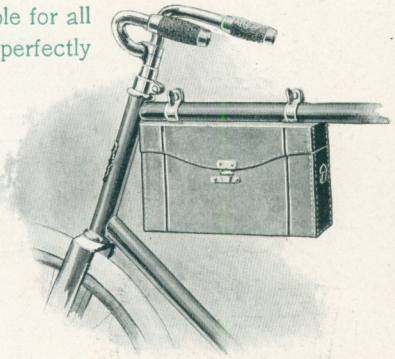
The Double Swing is fitted to this Camera, adjusted at any angle by push-buttons, remaining perfectly stationary when placed. Both swings are at centers. The back and Ground Glass are spring actuated, receding when the Plate Holder is inserted, returning to its original position when withdrawn; the Camera back and Ground Glass Screen working in conjunction with each other. A panel is so placed on the back that it can be opened when focusing on the Ground Glass. When the use of a Roll Holder is desired instead of Plate Holders, the entire back can be removed for the adjustment. It has Rising and Double Sliding Front, fine Rack and Pinion focusing movement, Poco Reversing



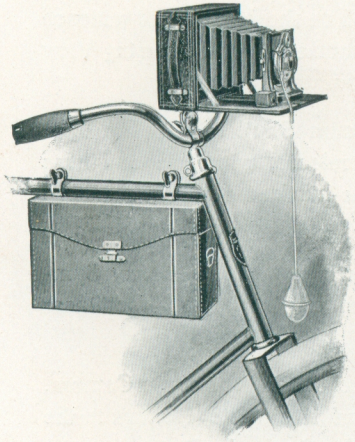
View Finder and Level combined, and can be used either in the hand or on the bicycle or Tripod. It has two plates fixed for vertical and horizontal pictures.

The Auto Shutter, equipped with Iris Diaphragm, finger and pneumatic release, with hose and bulb attachment, is a new feature. Its absolute automatic properties, working on either time or instantaneous exposures, are a revelation in Shutter construction. The speed varies from one one-hundredth part of a second to any length of time desired.

The celebrated Rochester Symmetrical Lens, suitable for all general classes of modern photography, is supplied. It is perfectly rectilinear and free from distortion.



The Zeiss Anastigmat Series IIA Lens is also listed, and is particularly adapted to this specific instrument, its correct optical properties being instantly recognized by those familiar with Camera construction. It has an even illumination, depth of focus, flat field and sharp definition, that are wonderful.



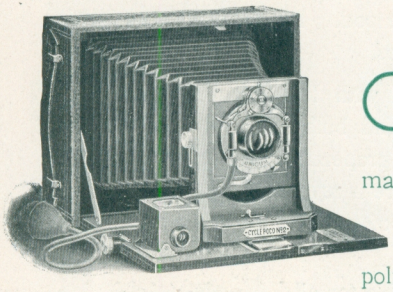
A sole leather Carrying Case of improved design is furnished with each Camera, the Camera occupying one end and the Plate Holders or Roll Holder the other

The 4 x 5 size will carry five Plate Holders, or Roll Holder and one Plate Holder; other sizes, four Plate Holders or Roll Holder.

The Cartridge Roll Holder is supplied in the 4 x 5 and 5 x 7 sizes.

PRICE.

	4 x 5	5 x 7	6½ x 8½	8 x 10
Camera complete with Rochester Symmetrical Lens,	$17.00	$20.00	$32.00	$ 40.00
Camera complete with Zeiss Anastigmat Series IIA Lens,	51.50	64.00	86.50	104.50
Camera without Lens and Shutter,	10.00	12.00	22.00	30.00
Wide Angle Lens,	5.00	6.00	9.00	12.00
Poco Plate Holders,	.60	.80	1.25	1.50
Cartridge Roll Holder,	5.00	6.50	——	——
Shoulder Strap,	.25	.25	.25	.25



CYCLE POCO No. 2.

CYCLE Poco No. 2 is one of the most popular Cameras of our entire output, having all the features of a first-class instrument that are absolutely essential. It is made in the best possible manner, very strong and rigid, light, compact, serviceable and neat in appearance; of polished mahogany dovetailed together, trimmed with polished and lacquered brass, covered with best selected Morocco grain leather, with leather handle.



It has our Spring Actuated Ground Glass Screen, working automatically on the insertion or withdrawal of Plate Holder; Rising Front for the better adaptation in taking views of tall buildings or objects below the level; two Tripod Plates, so that views may be taken either horizontally or vertically while using a Tripod, or the bicycle as such when so desired.

A Rack and Pinion is located on the bed for convenience in precise focusing, and the combined Poco Reversing View Finder and Level, for locating accurately the view.

It is supplied with the Unicum Shutter, with Iris Diaphragms, finger and pneumatic release, with bulb and hose attachment, working from one one-hundredth part of a second to any desired time.

The Shutter is fitted with our high grade Rochester Symmetrical Lens, which is free from distortion, and rectilinear in optical possibilities.

An olive brown Carrying Case accompanies the Camera, with capacity for the Camera and five Plate Holders in the 4 x 5 size; Camera and four Holders in the 5 x 7 size.

PRICE.

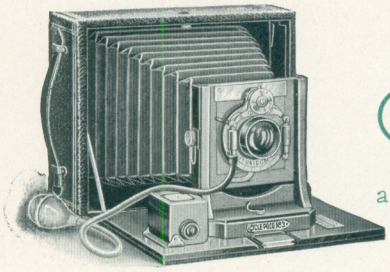
	4 x 5	5 x 7
Camera complete, - -	$14.00	$18.00
Wide Angle Lens, extra, - -	5.00	6.00
Poco Plate Holders, - -	.60	.80
Shoulder Strap, - - -	.25	.25



Taken with Tele-Photo Cycle Poco C, fitted with Goerz Double Anastigmat Lens; the top picture with regular double combination of lens; the lower one with the front lens removed, using the rear combination only with long draw, without changing position of camera.



WASHINGTON ARCH—NEW YORK CITY.



CYCLE POCO No. 3.



CYCLE Poco No. 3 is undoubtedly better known and more universally admired than any Camera of our entire manufacture. It was designed to meet the demand for a first-class instrument of the Cycle series at a popular price, and as such it has attained this distinction. It has all the essential features of this variety of Camera, and is made in the best possible manner, very strong and rigid, light, compact, serviceable, and neat in appearance; of polished mahogany, accurately dovetailed, trimmed with polished and lacquered brass, covered with best Morocco grain leather, with leather handle.

It has Spring Actuated Ground Glass Screen for the accommodation of the Plate Holder, Rising Front for accuracy in detail on objects above or below a common level, and two Tripod Plates, so that views may be taken either horizontally or vertically while using the Tripod, or the bicycle as such when desired.

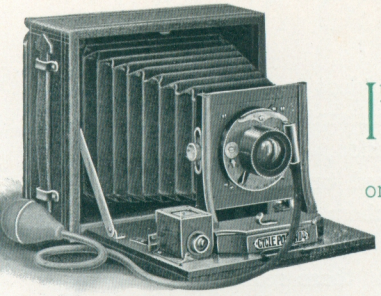
The combined Poco View Finder and Level is suitably located on the bed, so that the operator may readily determine the position of the view on the plate The Rack and Pinion focusing attachment may be adjusted to the Camera when ordered.

It is furnished with Unicum Shutter, having Iris Diaphragms, finger and pneumatic release, with bulb and hose attachment, the speed ranging from one one-hundredth part of a second to any length of time desired.

The Shutter is fitted with our Rapid Rectilinear Lens of double combinations and exceptional quality. A Sole Leather Carrying Case is furnished, with capacity for Camera and five Plate Holders in 4 x 5 size; in 5 x 7 size, four Holders

PRICE.

	4 x 5	5 x 7
Camera complete, - -	$10.00	$14.00
Rack and Pinion, extra, - -	2.00	2.00
Poco Plate Holder, - -	.60	.80



CYCLE POCO No. 4.

IN introducing the CYCLE POCO No. 4, we place a new Camera in the field, meeting requirements hitherto unprovided for, and one that is destined to be very popular on account of its practicability as a hand Camera and price, which is within the reach of all. It embraces the several meritorious features of the Cycle Poco No. 3, being made of mahogany and finely polished, with all metal parts of brass, polished and lacquered, showing the same beautiful contrast as the more expensive instruments. The outside is covered with selected Morocco grain leather, with leather handle. It has Spring Actuated Ground Glass Screen, Rising Front, red Russia Bellows, and our patented View Finder and Level combined.



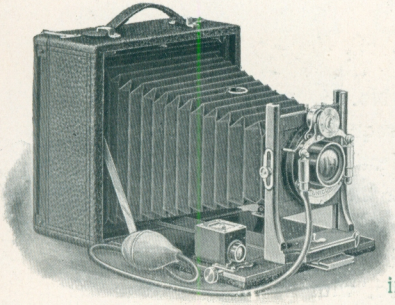
The new Gem Shutter is a special feature, the dimensions adapting it appropriately to the dimensions of this instrument. The Shutter is absolutely automatic in operation, only requiring a pressure of the bulb for the exposure, no setting device being necessary. It is fitted with Iris Diaphragms, finger and pneumatic release, and regulated for instantaneous, time or bulb exposures. The mechanism is such that the liability of its getting out of order is reduced to a minimum.

We supply both the Rapid Rectilinear Lens of double combinations, and our high grade Single Achromatic Lens, as desired and listed. Both are eminently qualified for general work, and especially of outdoor character, surprising results being obtained with either.

A Carrying Case is supplied, with accommodation for the Camera in one end, and five Holders in 4 x 5 size, and four in 5 x 7 size, in the other.

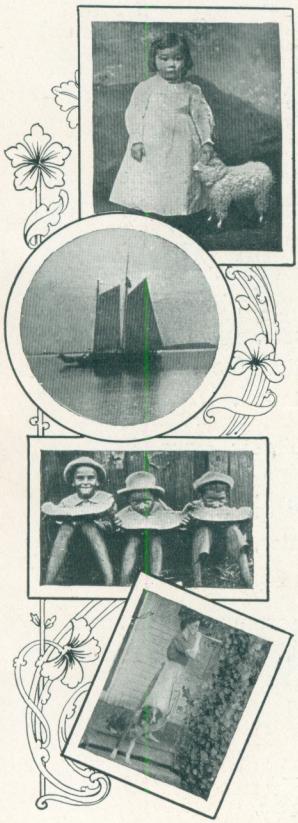
PRICE.

	4 x 5	5 x 7
Camera complete with Rapid Rectilinear Lens,	$ 8.00	$11.00
Camera complete with Single Achromatic Lens,	6.50	9.00
Poco Plate Holder,	.60	.80
Shoulder Strap,	.25	.25



CYCLE POCO No. 5.

IN the classification of modern ideas in Camera construction, the medium draw instrument, at a popular price, has been brought to a realization Heretofore Cameras of this description were designed on such an expensive scale as to practically place them out of reach of those whose means would not allow of the expenditure. In introducing the CYCLE POCO No. 5, these requirements have been taken into consideration, resulting in a thoroughly up-to date Camera at a moderate price.



As in the more expensive apparatus, all wood parts are made in solid mahogany, dovetailed together; all metal work of highly polished and lacquered brass; the covering of black Morocco grain leather, with handle, and the bellows of red Russia leather, soft and flexible, showing a beautiful contrast in combination.

The Camera is made with Reversible Back, allowing change from horizontal to vertical pictures without effecting the focus when once obtained. To the back is fitted the Spring Actuated Ground Glass Screen, for the accommodation of Plate Holder. A Rising and Falling Front is supplied for use when taking objects above or below a common level. On the bed is located the Rack and Pinion, and our patent combined View Finder and Level.

The ever popular Unicum Shutter is regularly supplied, which is equipped with Iris Diaphragms, finger and pneumatic release, together with bulb and hose attachment, and operates on either time, bulb or instantaneous exposure, regulated from one one-hundredth part of a second to one second.

The Rapid Rectilinear Lens, of double combination and exceptional quality for its class, is fitted to the Shutter.

The Carrying Case is made of olive brown sole leather

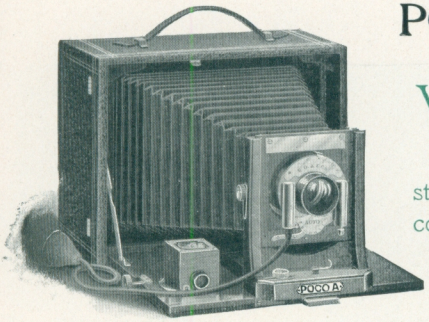
PRICE.

	4 x 5	5 x 7
Camera complete, - -	$11.00	$15.00
Poco Plate Holders, - -	.60	.80
Shoulder Strap, - -	.25	.25



AN EXCITING GAME—A RUSH FOR THE GOAL.

Made with Tele-Photo Poco A.



POCO FOLDING, SERIES A.

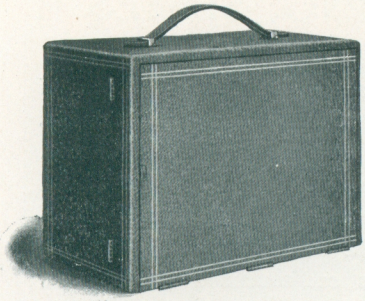
WE take just pride in representing herewith our Series A, POCO FOLDING CAMERA, which we claim is without a peer in its class. These instruments combine features not obtainable in the more compact Cycle series, inasmuch as space is provided for the reception of Plate Holder in the box of the Camera proper, which is preferred by many. They present a neat and handsome appearance, besides being one of the most serviceable and convenient instruments known in the art of photography.



The Camera is made in the best possible manner, of the finest selected mahogany, dovetailed together, all metal parts of brass; both being highly polished, the deep contrast between the two is very pleasing. The outside is covered with the best Morocco grain leather, selected not only for its beautiful grain, but also for its wearing properties, fitted with leather handle, and is self-contained, when closed no metal parts showing.

The Double Swing Back with which it is equipped is so placed that both swings are at centers, it being held firmly in position at any angle. It has our Spring Actuated Ground Glass Screen, receding when the Plate Holder is inserted, returning to its original position when withdrawn, and can be entirely removed when using the Roll Film Holder. Plate or Roll Holders are inserted at the door at the side or end of the Camera, leaving the box intact.

It is fitted with Rising and Double Sliding Front, which enables the operator to regulate the amount of sky and foreground when the camera is placed for either horizontal or vertical pictures. Fine Rack and Pinion focusing movement, together with combined View Finder and Level, enabling the operator to obtain the finest view without distortion or intricate manipulation. Two Tripod plates are so placed that pictures can be taken either horizontally or vertically when using Tripod.



The Bellows is cone shaped, and is made of selected red Russia leather, lined in such a manner that every vestige of light is excluded.

The new Auto Shutter, of exquisite workmanship, is regularly supplied. It is the most complete and practical Shutter ever devised for Hand Camera use, being very compact, neat in appearance and is self-inclosed, all working parts being contained in an outer case, preventing any possibility of injury. It has Iris Diaphragms, finger and pneumatic release, with bulb and hose attachment. It not only works automatically on instantaneous exposures, but on time exposures as well, being self-setting and ever ready. A pressure on the release lever or a squeeze of the bulb is all that is required. It operates from one one-hundredth of a second to one second, or intermediate fractions of time.

The Lens is our high grade Rochester Symmetrical, adapted for all general purposes, perfectly rectilinear and free from distortion, showing a great depth of focus, and cutting the plate clear and sharp to the extreme corners. The Lens is interchangeable in the Shutter with our Wide Angle Lens when desired, which is of the same high standard as the regular Symmetrical, and is particularly adapted for interiors or views in confined places.

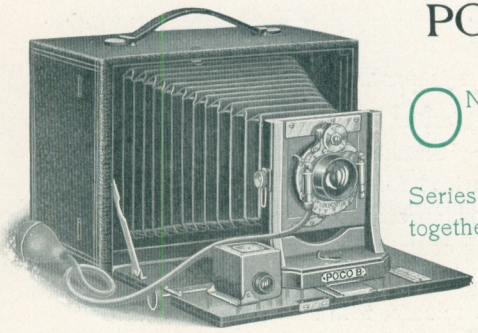
The Zeiss Anastigmat, Series IIA, is also listed. This Lens for Hand Camera work has absolutely no equal; its great depth of focus, perfectly flat field, even illumination and superior optical qualities appealing directly to those of pronounced tastes. It is adapted for portraits, groups, instantaneous out-door work and copying The Lenses of this series are composed of five Lenses and have an angle of eighty degrees. The speed will be found ample for all ordinary instantaneous exposures. These Lenses are also particularly adapted to copying and half-tone work, giving the minutest detail with extreme flatness to the edges.

The 4 x 5 size carries four Plate Holders; other sizes three Holders.

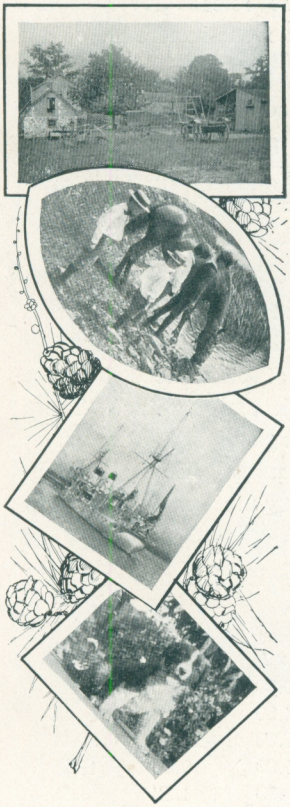
PRICE.

	4 x 5	5 x 7	6½ x 8½	8 x 10
Camera complete with Rochester Symmetrical Lens,	$17.00	$20.00	$32.00	$ 40.00
Camera Complete with Zeiss Anastigmat Series IIA Lens,	51.50	64.00	86.50	104.50
Camera, without Lens or Shutter,	10.00	12.00	22.00	30.00
Wide Angle Lens,	5.00	6.00	9.00	12.00
Poco Plate Holders,	.60	.80	1.25	1.50
Cartridge Roll Holder,	5.00	6.50	——	——
Sole Leather Case,	2.00	2.50	3.00	4.00

POCO FOLDING, SERIES B.



ONE of the best known and most popular Cameras of the entire series, and one meeting all requirements of the practical amateur, is our POCO FOLDING, Series B. It is made of polished mahogany, dovetailed together, trimmed with polished and lacquered brass throughout, covered with finest Morocco grain leather, has leather handle, and is self-contained when closed, no metal parts showing. The Single Swing Back, swinging perpendicularly, is operated from the center, in no way affecting the focus of the Camera.



It is equipped with a Rising Front, which is particularly valuable when views are desired either above or below a common level; Rack and Pinion for convenience in focusing, especially when using a Tripod; Spring Actuated Ground Glass Screen for the insertion and withdrawal of the Holder, and a large panel at the back opening downward when focusing on the Ground Glass. The Combined Reversing View Finder and Level is placed on the bed of the instrument, accurately locating the view or image, the leveling device being as important a factor as the Finder itself.

The Unicum Shutter, with Iris Diaphragms, finger and pneumatic release, and hose and bulb attachment, working from one one-hundredth part of a second to any desired speed, is supplied.

The Lens is our high grade Rochester Symmetrical, which is perfectly rectilinear and free from distortion, having a good depth and even illumination, and is interchangeable with the Wide Angle Lens of equal value.

The 4 x 5 size accommodates four Plate Holders or Roll Holder, and the 5 x 7 size three Plate Holders or Roll Holder

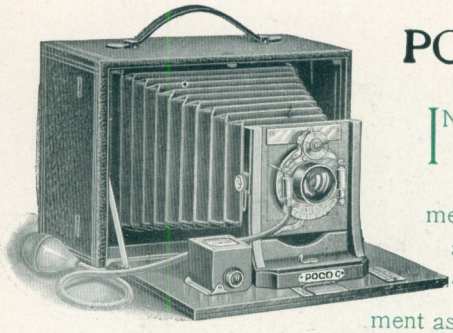
PRICE.

	4 x 5	5 x 7
Camera complete, - -	$13.00	$17.00
Wide Angle Lens, - - -	5.00	6.00
Poco Plate Holders, - -	.60	.80
Sole Leather Carrying Case, -	2.00	2.50



"AFTER BUSINESS HOURS."

Made with Cycle Poco No. 2.



POCO FOLDING, SERIES C.

IN the preparation of our extensive line of hand Cameras, due consideration has been given to the beginner, or to those who prefer simplicity and rigidity to intricate mechanism Series C meets this demand admirably, and at so popular a price that all can enjoy the privilege.



The same degree of perfection is attained in this instrument as in the more expensive ones, it being made of polished mahogany, dovetailed together, trimmed with polished lacqered brass throughout, covered with the finest Morocco grain leather, has leather handle, and is self-contained when closed, no metal parts showing. The Single Swing Back, swinging perpendicularly, is operated from the center, in no way effecting the focus of the Camera.

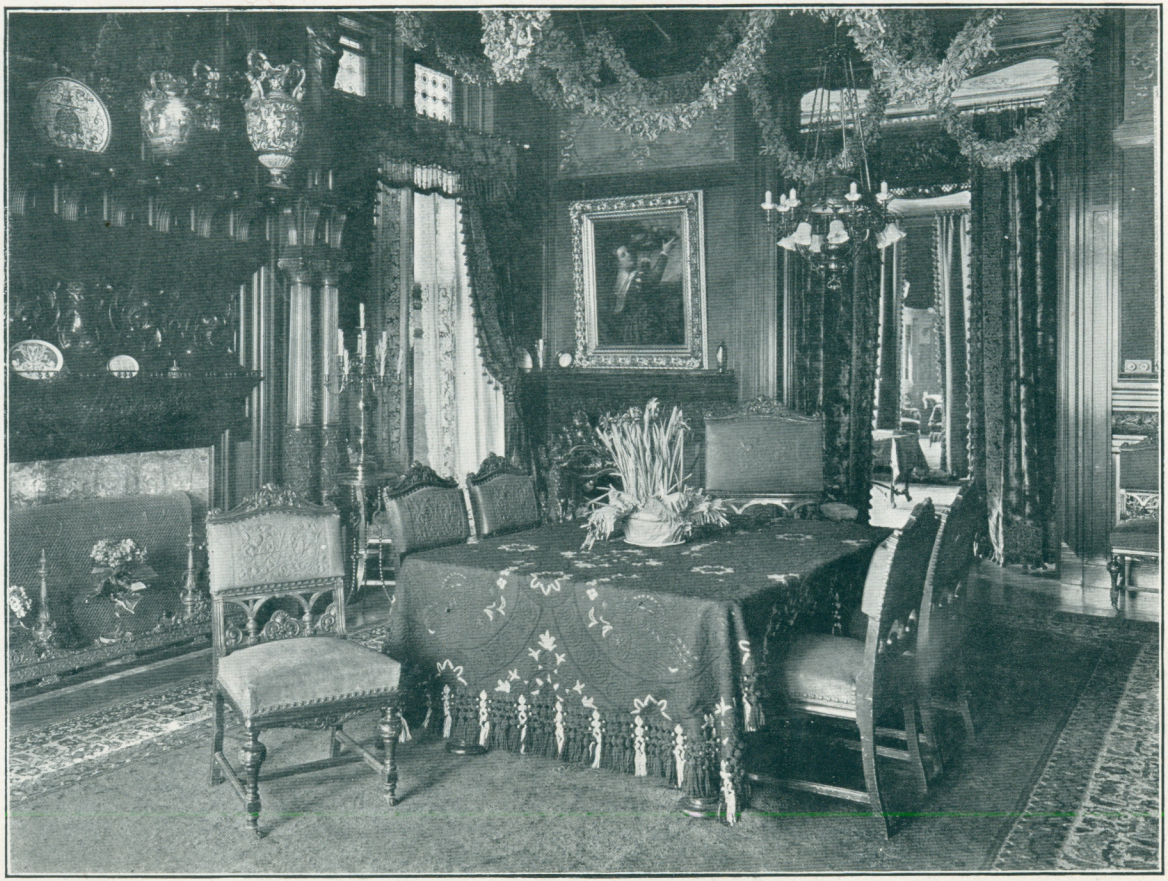
It has the Rising Front for adjusting sky and foreground in the picture, Spring Actuated Ground Glass Screen for the reception of Plate Holder, large panel at the back to focus on the Ground Glass when using Tripod, and Poco Reversible View Finder and Level combined. The Level is always in plain sight, working in conjunction with the Finder.

The exceedingly popular Unicum Shutter fitted with Iris Diaphragms, finger and pneumatic release, with bulb and hose connection, and operating on either instantaneous, bulb or time exposures, is fitted.

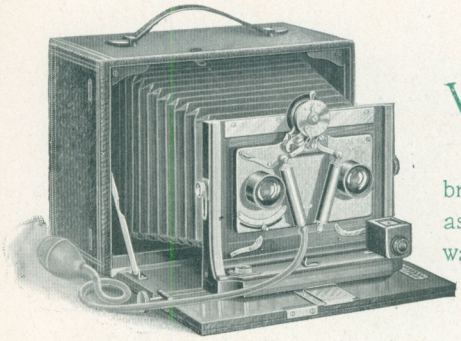
The Lens is our Rapid Rectilinear, especially adapted for hand Camera use, and fully qualified for general work of every description. It is interchangeable with the Wide Angle Lens, which is more generally used for interiors or confined places. The Rack and Pinion can be fitted when ordered, although the Camera is not regularly supplied with it.

PRICE.

	4 x 5	5 x 7
Camera Complete,	$10.00	$13.00
Rack and Pinion, extra,	2.00	2.00
Wide Angle Lens,	5.00	6.00
Poco Plate Holders,	.60	.80
Sole Leather Carrying Case,	2.00	2.50

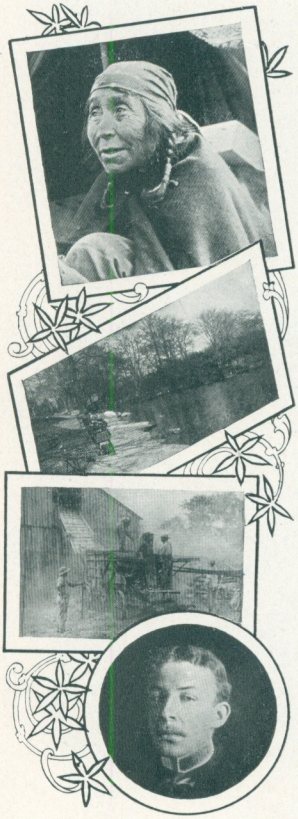


Made with Tele-Photo Cycle Poco B.



STEREO POCO.

WITHIN the past few years, amateurs as well as professionals, have entered more generally into stereoscopic photography, a very fascinating branch of the art, and one from which much pleasure as well as profit may be realized. The Stereo Poco was especially designed to meet their wants; it is practically the same as our regular Folding Series B, with the addition of a wide front, size being the same. It is covered with Morocco grain Leather of the finest quality and has leather handle. All wood parts are solid mahogany, dovetailed together; metal parts of lacquered brass, all highly polished, giving the camera a very pleasing and rich appearance.



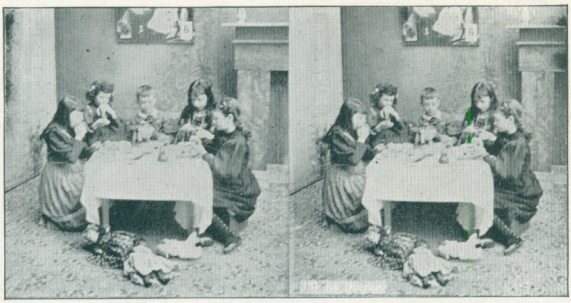
The Swing Back, swinging at centers, which is optically correct, is fitted, together with Spring Actuated Ground Glass Screen, receding for the insertion of Holder, and returning to its proper place when Holder is withdrawn.

It has the Rising and Sliding Front for the regulation of sky and foreground in the view, Rack and Pinion movement for convenience in obtaining an exact focus, two plates for use with Tripod, and our Reversible View Finder and Level combined, which enables the operator to obtain a perfect reproduction. The Level acting in unison with the Finder, insures accuracy in detail without distortion.

The Bellows is made of the very best Russia leather, and lined with black gossamer or rubber cloth, which is absolutely opaque, and folding very compactly when Camera is closed. A partition is also supplied that folds up with the Bellows, and can be adjusted or detached at will.

The Shutter is the Bausch & Lomb Stereo, which is the best made for this class of work, working automatically from three seconds to one one-hundredth part of a second, having rotary Diaphragms, hand and pneumatic release and time lever. The time lever may be so regulated that any

desired speed may be obtained. The opening and closing or operation of the leaves, is absolutely simultaneous, making both pictures exactly alike, any deviation being impossible.



The Unicum Stereo Shutter is also listed, which is constructed on the same general plan as the regular Unicum Shutter, which has given such satisfaction for hand Camera work. It has Iris Diaphragms, finger and pneumatic release with bulb and hose attachment, and is regulated on fractions of a second to the one one-hundredth part, up to and including one second. On time or bulb exposures, any desired time is available. The blades of both openings work in harmony with each other, giving an equal exposure and illumination.

A matched pair of Lenses are supplied, which are perfectly rectilinear and free from distortion, and can be successfully used for all classes of stereo work. They have a good depth of focus, perfectly flat field and even illumination. The Lenses being exactly alike, no deviation is possible between one of the views and the other.

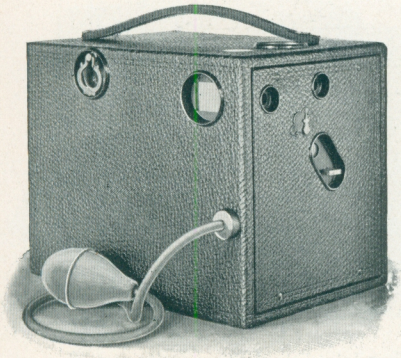
Wide Angle Lenses can be adjusted, and are interchangeable. They are particularly adapted for interiors or situations in confined places, where a shorter focus is necessary.

If 5 x 7 pictures are desired, a 5 x 7 Lens and Shutter with an extra Lens board can be supplied to fit. The Camera can therefore be used not only as a stereo instrument, but as a regular hand Camera. The Stereo partition being removable, the instrument therefore can be utilized as two separate Cameras.

One 5 x 7 Poco Plate Holder is included in the outfit.

PRICE.

	5 x 7
Stereo Camera complete with B. & L. Stereo Shutter,	$37.00
Stereo Camera complete with Unicum Stereo Shutter,	30.00
Pair Wide Angle Lenses,	10.00
5 x 7 Lens and Unicum Shutter,	10.00
5 x 7 Lens and Auto Shutter,	12.00
Poco Plate Holders,	.80
Sole Leather Carrying Case,	2.50



THE CYCLONE.

THE CYCLONE, as its name implies, is a perfect whirlwind of good ideas, combined in a small space, its manipulation being extremely simple. It is the most complete and reliable Magazine Camera ever produced. Coming under our personal supervision, the workmanship is unsurpassed, and on lines laid down for our other high grade instruments.

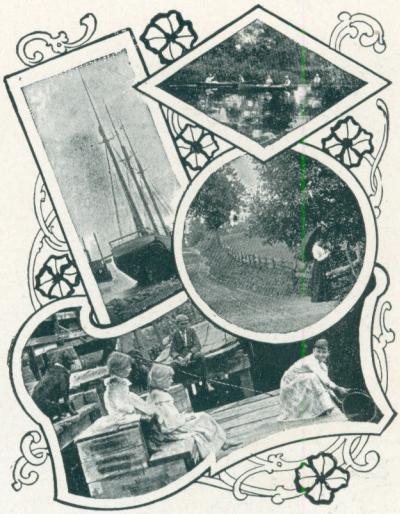


The covering is of selected Morocco grain leather, fitted with leather handle for carrying purposes. Sockets are placed for use of Tripod, and all parts are flush with the Camera box, obviating all liability of injury, besides giving a substantial and neat appearance.

The magazine is stationary, being attached to the inside of the Camera, holding twelve plates firmly and securely. It is loaded at the hinged door at the rear, and unloaded from the hinged door at the bottom.

In unloading the Holders, it shows its superiority over others, as one can remove any or all of the exposed plates without disturbing or handling those remaining. This is a great advantage as well as convenience.

With the bulb release is prevented the possible jarring of the Camera, so often the cause of failures, particularly in making time exposures, when otherwise the results would be satisfactory. The Shutter is always set; this means no levers to pull or button to push. By merely pressing the bulb, the exposure is made and the Shutter resets itself automatically. By a simple and ingenious device, the bulb can be detached to permit operating the Shutter by the finger release when desired.



Three different openings or diaphragms are available. In connection with this is also a cut-off, which, when set, locks the Shutter, avoiding any possibility of premature exposures.

The register is operated automatically when releasing the Plate, the number of unexposed Plates being readily determined by the figure on the dial, which is at all times in plain sight of the operator.

The Lens is the Meniscus pattern, consisting of a positive crown glass Lens combined with a negative flint glass Lens, corrected for actinic light. No better Lens for universal focus work can be produced, and no focusing adjustment is required, it being applicable from six feet to any required distance, and covering the Plate sharply at all times without distortion.

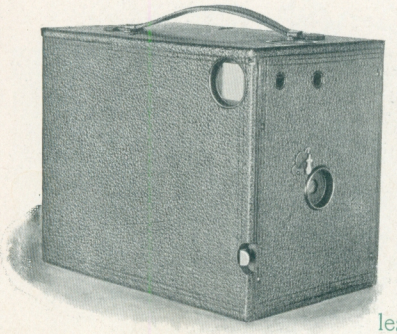
The plate Holders are made of aluminum, the lightest metal known, reducing the weight of the Camera to the minimum.

We desire to impress upon all the extreme simplicity of the Cyclone. It has fewer parts than any other Magazine Camera made.

Press the bulb to expose the Plate, and turn a key to place the next in position. This is all—simply two movements. This is a very important point to be considered when buying a Camera, for the more adjustments, levers or buttons there are to handle, the more complicated the instrument, and therefore more liable to get out of order. As the manipulation of the Cyclone No. 4 and No. 5 are the most simple, all working parts reliable, the entire instrument being made practical and in the best possible manner, we have no hesitation in claiming for it the par excellence in Magazine Camera construction.

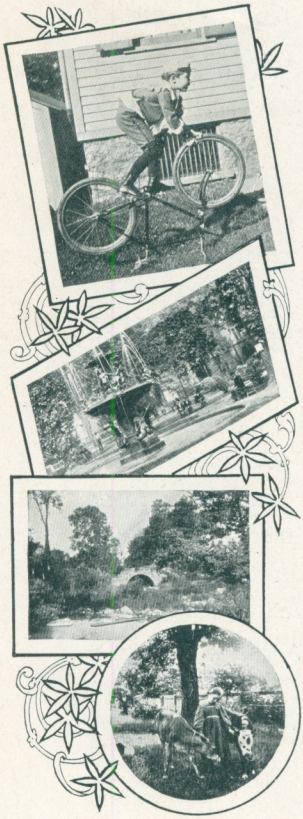
PRICE.

	No. 4. 3¼ x 4¼	No. 5. 4 x 5
Camera complete. - - - -	$6.00	$7.00
Aluminum Plate Holders, - - -	.10	.10
Sole Leather Carrying Case, - -	2.25	2.50



CYCLONE JR. AND SR.

IN the production of this Camera, we have endeavored to furnish a first-class, practical instrument, possessing the advantages in ease of manipulation and results of many Cameras selling for several times its price. Its manufacture is on the same high class order that distinguishes our other lines, being neat, compact and thoroughly equipped, covered with the best of seal grain leather, with leather handle for carrying purposes.



The Cyclone Jr. makes a picture 3½ x 3½ inches square, and the Cyclone Sr. 4 x 5 size. They are well adapted for portraits, landscapes, interiors or flash lights. They carry three double Plate Holders, with a capacity of six Dry Plates.

Each Camera is provided with a brilliant square Finder, for accurately locating the view, and two sockets or plates for use with a Tripod.

They are equipped with our specially constructed Automatic Shutter, for time, instantaneous and snap-shot exposures, one button answering for both purposes.

The Lens is the high grade Meniscus combination, of universal focus, requiring no focusing attachment, as it is applicable for any distance from six feet to any greater interval. It has a wonderful depth and definition, fully covering the plate without distortion.

The fine results obtained with this Camera are due to its superior Lens and perfection in construction.

All complicated adjustments have been dispensed with, enabling the youngest amateur to manipulate it with ease and precision.

One Plate Holder is included in the outfit.

PRICE.

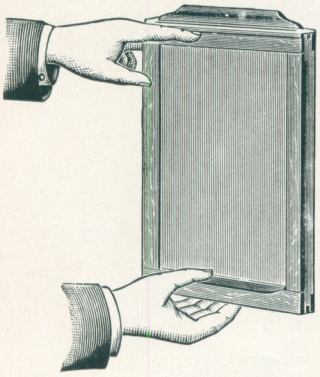
	3½ x 3½	4 x 5
Camera complete, - -	$2.50	$3.00
Rochester Plate Holders. - -	.40	.40



Made with Cyclone No. 5.

(REDUCED.)

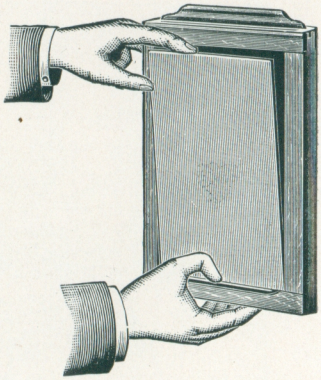
PREMO PLATE HOLDERS.



The Premo Plate Holder is the simplest and best Holder ever devised. It is adapted to any and all of our Premo Cameras.

To load, rest the end of plate against the spring bar at the end, then by simply pressing bar with the thumb, the plate falls into place.

To unload, gently press the spring bar, and the plate is dislodged, resting against the fingers when it may be taken from the Holder.

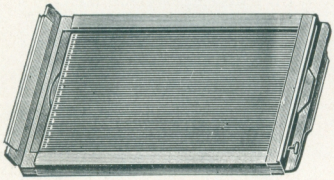


All Premo Holders are fitted with rubber slides.

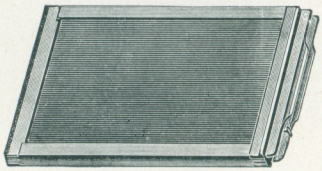
SIZE.	PRICE.	SIZE.	PRICE.	SIZE.	PRICE.
3¼ x 4¼,	$ .60	5 x 7,	$ .80	8 x 10,	$1.50
4 x 5,	.60	6½ x 8½,	1.25		

POCO PLATE HOLDERS.

The Poco Plate Holder is the most perfect device yet made for holding dry-plates for camera use. It is simplicity itself, as there are no springs or other devices for holding the plate in position. Simply lay the plate in the Holder and insert the slide. To remove, draw the slide and pick out the plate.



PATENTED.



They are made of selected cherry, are small, light, neat, and perfect in every detail, and are adapted to any of the Poco Cameras.

SIZE.	PRICE.
3¼ x 4¼, with Hard Rubber Slides,	$ .60
4 x 5, " " " "	.60
5 x 7, " " " "	.80
6½ x 8½, " " " "	1.25
8 x 10, " " " "	1.50

ROCHESTER PLATE HOLDER.

This is a good serviceable Holder at a popular price. It is made of the best seasoned cherry, with slides of best black press board.

The same care and accuracy is exercised in its manufacture as in the more high priced ones. They are compact, neat and simple in manipulation, and are made to fit either the Premo, Poco or Cyclone Cameras.

PRICE.

3¼ x 4¼,	$ .40	4 x 5,	$ .40	5 x 7,	$ .50

PREMO AND POCO FILM HOLDERS.

These Holders are made on the same general plan as the regular Plate Holders. For the Premo Camera the Premo Film Holder is used, and for the Poco Camera, the Poco Film Holder. They are made to interchange with the Plate Holder when desired. They are fitted with card board slides.

PRICE.

3¼ x 4¼,	$ .75	5 x 7,	$1.00	8 x 10,	$1.75
4 x 5,	.75	6½ x 8½,	1.50		

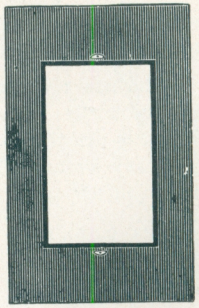
HOLDER SLIDES.

Both in hard rubber and black press board, fitting any style of our regular dry-plate holders.

	3¼ x 4¼	4 x 5	5 x 7	6½ x 8½	8 x 10
Hard Rubber, each,	$ .15	$ .15	$ .20	$ .35	$ .50
Press Board, each,	- -	-	- -	.15	.20

In ordering Slides specify if for Premo, Poco or Rochester Holders.

HOLDER KITS.

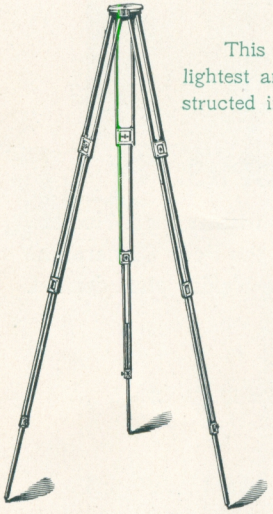


Kits are made for holding small plates in large plate holders. They fit in the holder the same as an ordinary plate; the opening in the center holding the smaller plate by means of a small button.

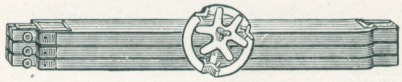
Size Outside.	Size of Opening for Plate.	EACH.
4 x 5,	—3¼ x 4¼ or 3¼ x 4, each, - -	$ .15
5 x 7,	—3¼ x 4¼ or 4 x 5, " - - -	.15
5 x 8,	—3¼ x 4¼ or 4 x 5 or 4¼ x 6½, each,	.15
6½ x 8½,	—3¼ x 4¼ or 4 x 5 or 5 x 7 or 5 x 8, each,	.20
8 x 10,	—5 x 7 or 5 x 8 or 6½ x 8½, each	.25

TRIPODS.

THE PREMO TRIPOD.



This Tripod is designed especially for use with Hand Cameras. It is the lightest and most compact ever made, it is very rigid, durable and perfectly constructed in all its parts.



The Premo Tripod is made with three joints. The lower section slides into the second, and these two into the third, while the upper section folds back upon the third. When closed it measures only 16 inches in length, the No. 1 weighs but 15 ounces, including the Aluminum top. The length extended is 55 inches. It is quickly set up for use and readily adjusted for height by means of a milled head. The legs of the Tripod may be grasped at the top for the purpose of changing its position, without fear of separating them from the head.

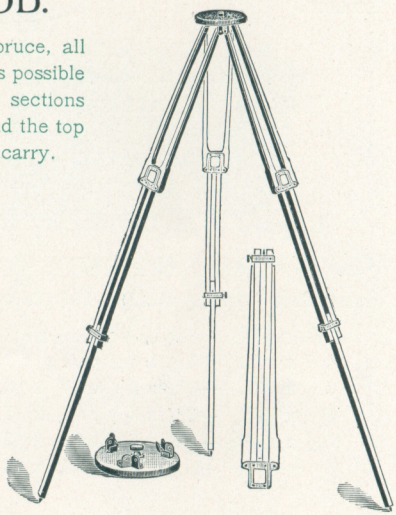
No. 1, for 4 x 5 Cameras, weight 15 ounces,	$3.50
No. 2, for 5 x 7 Cameras, weight 1 pound 7 ounces,	4.00

ROCHESTER COMPACT TRIPOD.

The Compact Tripod is made of the best selected spruce, all metal parts of brass; the object being to make it as light as possible consistent with rigidity and strength. It is made in three sections to fold and slide: the lower part sliding into the second, and the top part folding down over both, making it very convenient to carry.

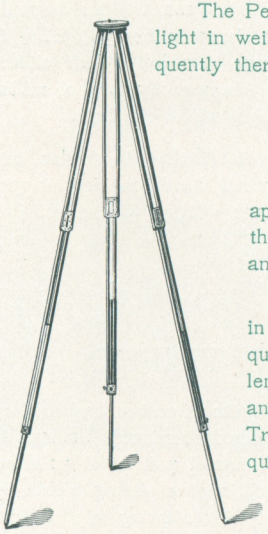
It can be adjusted to any required length. When extended it is 4 feet 10 inches long, while it is but 23 inches in length when folded or closed.

The new top is so made that the legs, when adjusted, are practically locked, avoiding any possibility of their becoming detached by accident after the tripod is placed and ready for use. The tripod screw is arranged to always remain in the top.

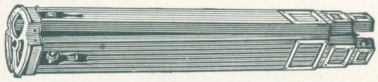


No. 1, for 3¼ x 4¼, 4 x 5 or 4¼ x 6½ Cameras,	$1.50
No. 2, for 5 x 7, 5 x 8 or 6½ x 8½ Cameras,	1.75
No. 3, for 8 x 10 or 10 x 12 Cameras,	2.50

THE PETITE TRIPOD.



The Petite Tripod is made expressly for Hand Camera use. It is extremely light in weight, and compact in form. The head is fastened to the legs, consequently there are no loose parts. It is very rigid, even at its full extension. Its



appearance is exceedingly neat, the head being made of aluminum, the lightest metal known. All brass parts are polished and lacquered, and spruce constitutes the wood parts. It is made in four sections.

For carrying, the lower section slides into the second, the second in turn into the third, and these three into the fourth. It can be very quickly adjusted, either to its full length or folded up after use. The length when closed being only 16¼ inches, when extended 55 inches, and it weighs but 17 ounces complete. The construction of the Petite Tripod renders it not only compact but rigid as well, and is without question one of the best tripods yet introduced.

No. 1, for 4 x 5 and 5 x 7 Cameras, ... $4.00

ROCHESTER SLIDING TRIPOD.

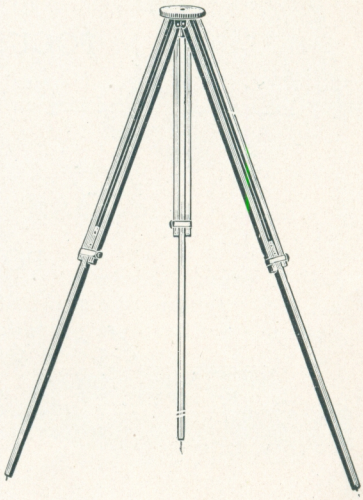
This Sliding Tripod is one of the best and most substantial of its class on the market. It is made of selected spruce, finely finished, with metal parts of brass highly polished and lacquered.

It is very light in weight considering its strength, and is made in two sections, the lower half sliding within the other.

It can be clamped at any desired position by a milled head screw at the intersection of the two parts.

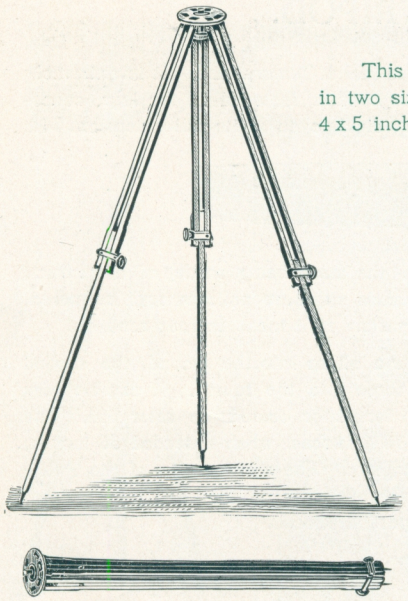
The legs are fastened to the top, leaving the tripod always together and complete, preventing the loss or misplacement of top as often happens with the removable head.

The top, which is wood, is covered with soft cloth to keep from marring or defacing the camera, except the No. 1, which is made of brass. It is suitable for both large and small cameras. The length of No. 1 when fully extended is 58 inches, and when closed 31 inches.



No. 1, for small Cameras. . . . $1.00
No. 2, for all sizes up to 5 x 8. . . . 1.25
No. 3, for all sizes up to 8 x 10. . 1.75

RAY SLIDING TRIPOD.



This is the lightest Sliding Tripod on the market, and is made in two sizes, both being applicable for Cameras from 2½ x 2½ to 4 x 5 inches. It is made in two sections, the lower half sliding within the other, and can be clamped by use of milled head screws to any desired length within its limit.

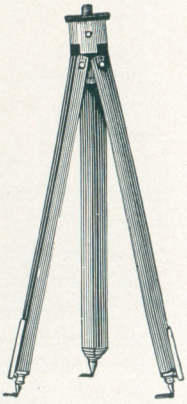
It is made of selected spruce, finished in shellac, and is equipped with our patent metal head, making it very rigid. Length, closed, 28 inches; weight, 15 ounces.

	PRICE.
No. 1,	$ .60
No. 2,	.75

ALUMINUM TRIPOD.

This Tripod is unquestionably the finest ever placed on the American market. It is made of aluminum, the lightest metal known, coated with black enamel and highly polished. It is made in five sections, each section sliding within the other. Each section is supplied with a spring catch locking it securely to every other section. A pressure on the catch fitted to the top section releases each other section, permitting it to be closed in an instant. Its rigidity is absolute. When fully extended, it measures 50 inches; when closed, 15 inches; and in diameter, 1¼ inches, weighing but 18 ounces.

Price, ... $12.00

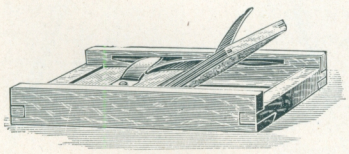


FOCUSING CLOTH.

Indispensable for focusing on the ground glass.

	PRICE.
Gossamer,	$ .50
Velvet,	1.00

POCO PRINTING FRAME.

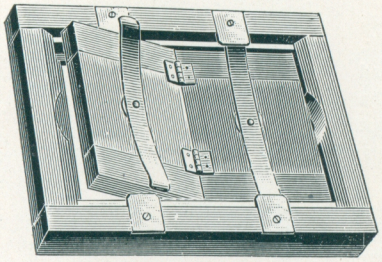


This Frame is made especially for amateur use. it is made light and strong of the best seasoned cherry and spring brass; springs being riveted to the back.

SIZE.	PRICE.	SIZE.	PRICE.
3½ x 3½,	$ .12	4¼ x 6½,	$ .15
3¼ x 4¼,	.12	5 x 7,	.20
4 x 5,	.12		

PRINTING FRAMES.

ROCHESTER PRINTING FRAME.

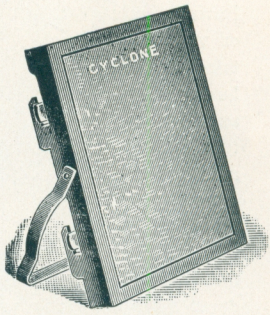


These frames are made very heavy and substantial of solid cherry. The springs are of the best spring brass, riveted to the back, a washer being placed between, allowing the spring to move freely without defacing the wood. The ears are set flush with frame to prevent defacing and setting solid when piled upon one another. The hinges are also riveted in place.

SIZE.	PRICE.
4 x 5,	$ .34
5 x 7,	.38
5 x 8,	.40
6½ x 8½,	.45
8 x 10,	.50

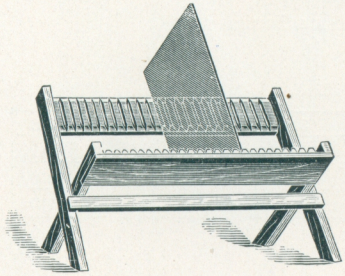
CYCLONE PRINTING FRAME.

Having an easel attachment which permits the frame to stand alone at any angle. Made of japanned iron, it will not warp or twist, is non-breakable, light and convenient, filling a long-felt want. It offers advantages no other amateur frame possesses. Casts no shadows when printing; prints to the full size of the plate, a very important feature.



SIZE.	PRICE.
3½ x 3½, each,	$ .15
3¼ x 4¼, "	.15
4 x 5, "	.15
5 x 7, "	.20

ROCHESTER NEGATIVE RACKS.

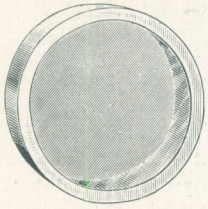


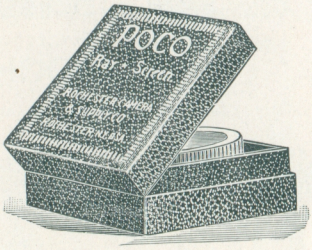
These racks are made in a substantial manner of best seasoned cherry, and will hold any size negative. They are very convenient, as they keep the negatives from becoming scratched while drying. They fold up flat when not in use.

No. 1, for holding 12 Small Negatives, . . $ .10
No. 2, for holding 24 Medium Size Negatives, . .12

POCO RAY SCREEN.

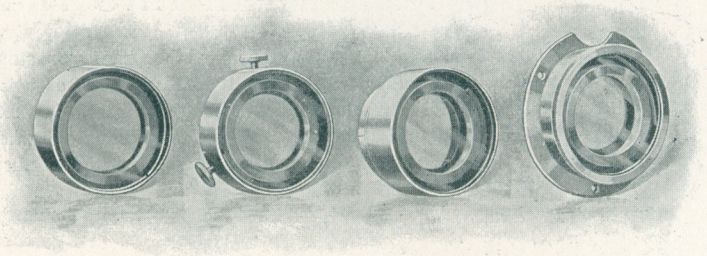
The Poco Ray Screen, for cloud effects, etc., is of great value in out-door photography, screening out the violet and blue rays of light which acts stronger on the plate than any other color, giving a more equal exposure to the sky, clouds, and landscape. By using the screen a more perfect picture may be obtained, and the most beautiful cloud effects produced. The Poco Ray Screen consists of a polished brass ring, into which is set the perfect yellow or orange glass, and held in place by a ring of cork, this cork ring fitting the lens tube and holding all in place as a lens cap. The diameter given in the list is the largest lens it will fit. Any smaller lens may be adjusted. When ordering give diameter of lens they are to be used with. Put up in a neat plush-lined case.





No. 1.	Outside diameter, 1½ inches.	Will fit Lens of diameter 1¼ inches.	$ .25
No. 2.	Outside diameter, 2 inches.	Will fit Lens of diameter 1¾ inches.	.35
No. 3.	Outside diameter, 3¼ inches.	Will fit Lens of diameter 2⅞ inches.	.50

RAY FILTER.



By means of a Ray Filter the relative color values can be obtained, thus adding largely to the artistic appearance of a picture, and giving it an atmospheric effect.

Perhaps the most pleasing feature is the reproduction of the natural tone of the sky against which any clouds that may be present appear in relief, all the delicate detail being perfectly preserved, the intensity of the sky being such as to print with the foreground.

STYLE A has a cork-lined mounting of proper size to slip over the hood of lens.

STYLE B has three milled heads or binding screws, for attaching to lens hood.

STYLE 1 P is for regular 4 x 5 or 5 x 7 Lenses with Premo or Poco Cameras.

STYLE F F has a flange for cameras with fixed focus lenses.

PRICES OF STYLES A AND B.

Number,	1	2	3	4	5	6	7	8
Inside Diam. in inches,	1⅜	1¾	2 3/16	2 9/16	2 15/16	3⅜	3¾	4⅛
Price,	3.25	3.50	3.50	4.00	4.50	5.00	5.50	6.00
Morocco Cap, extra,	.70	.70	.75	.80	.90	1.00	1.10	1.20

Price of Styles 1 P and F F, $3.25

The inside dimensions quoted are the largest diameters of hoods to which each cell can be fitted.



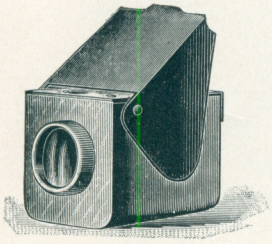
RIVERSIDE DRIVE, NEW YORK CITY.

Made with Poco Series A—With Poco Ray Screen.

VIEW FINDERS.

PREMO VIEW FINDER.

This Finder is the most perfect ever placed on a Hand Camera, its construction being based on scientific optical requirements. The image is reflected on a convex Lens on top of the Finder, by means of which an exceedingly brilliant view is obtained, and in exact proportion to the view as it will appear in the finished print.



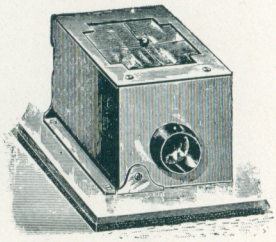
The image appears in the Finder as brilliant and as plain as the object appears to the eye.

It is equipped with a hood, acting as a shield, which is made of aluminum, evenly enameled, preventing reflection, and giving the Finder a handsome appearance.

Price, ... $1.50

POCO VIEW FINDER.

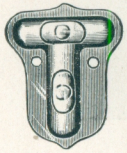
In shape and general appearance it is similar to all other view-finders, but its field of usefulness is far superior. The top or glass on which the view appears is also utilized as a level. The top of the glass is slightly concaved and a steel ball rests on it, always at its lowest point. When the camera, to which the finder is attached, is held level the ball will rest and appear in the center of the finder at the intersection of a cross mark placed upon the glass. When the camera is tipped from side to side the ball will roll to the position in which the camera is held.



No. 1—1⅝	in. long,	1⅜	in. wide,	1⅜	in high,	$1.50
No. 2—1 3/16	"	1	"	1 3/16	"	1.50
No. 3—1⅛	"	⅞	"	1	"	1.50
No. 4—1½	"	¾	"	¾	"	1.50

DOUBLE SPIRIT LEVEL.

This Level consists of two glass tubes, joined in the shape of the letter T, filled with fluid and hermetically sealed, preventing leakage or evaporation.



These are securely attached to a base made of brass, nickeled and highly polished. The two small air bubbles in each tube acting as a level.

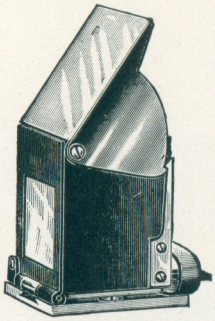
It is the most perfect and unique leveling device ever constructed.

Price, ... $ .30

THE ICONOSCOPE FINDER.

FOR HAND AND VIEW CAMERAS.

This Finder is constructed on entirely new principles, by means of which an exceedingly brilliant and non-reversed image is reflected, even in the brightest sunlight.



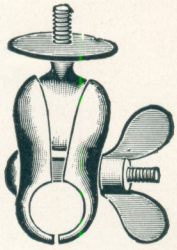
The image is, in reality, more brilliant than the actual objects appear to the eye, being formed by a concave lens which projects the picture through a solid glass prism direct to the eye. One sees with the Iconoscope all that is visible to the eye alone.

The image is projected at a convenient angle so that the photographer stands in a natural position and easily glances from the image to the object without moving the head.

Made in three sizes.

	PRICE.
No. 1—Small, . . .	$5.00
No. 2—Medium, . . .	5.50
No. 3—Large, . . .	6.00

BICYCLE CLAMP.

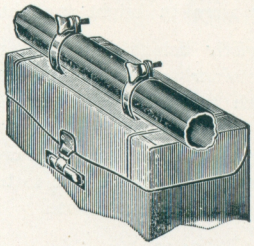


This clamp is designed to use as a tripod for wheelmen; adjusting it to the handlebar of the wheel and fitting the camera to it as an ordinary tripod. It is made of brass, nicely nickeled. Is adjustable and will fit any handlebar.

Price, . . . $ .50

CYCLE CAMERA CARRIER.

For carrying the camera on a wheel when enclosed in a case. It is easily adjusted and can be removed in an instant. It is made of brass, nickeled and polished, and is adjustable to any wheel. It is fitted to the carrying-case and then to the top frame of the wheel or handlebar.

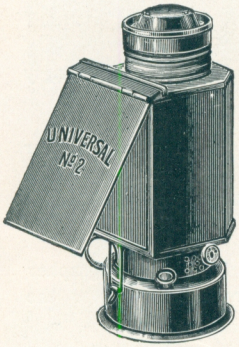


The case containing the camera can be attached instantly, and when so attached is solid and rigid, there being no play whatever to loosen the case or scratch the frame of the wheel.

When taking the camera from the case, it is not necessary to remove the case from the carrying attachment, it can be removed and replaced at will.

Price, complete, . . $ .50

UNIVERSAL DARK ROOM LANTERN.



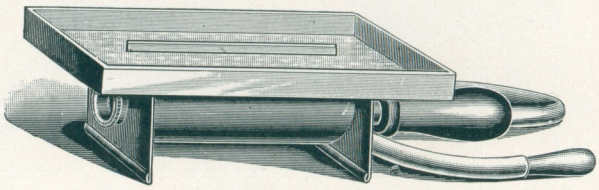
The Universal is the most popular moderate priced Lantern in the market. It is made upon an improved plan, giving abundant draft and complete ventilation, hence no smoke, no fume, but a steady, safe light and plenty of it.

The Universal is made in two sizes, and fitted with both orange and ruby glass. The body is hinged at the back. The flame is controlled from the outside, and an adjustable shield protects the eyes, throwing light directly on the developing tray.

Price, No. 1, . . . $ .50
" No. 2, ...60

POCO MAGAZINE FLASH LAMP.

The Poco Magazine Lamp, for Pure Magnesium, is constructed on an entirely new plan, by which an immense volume of light is procured at a minimum cost. A series of jets is arranged on an inner tube running the entire length of the magazine, and upon applying air pressure, the powder is kept in a constant "whirl," insuring perfect combustion and an even light. The duration of exposure can be varied at will. It gives a *solid sheet* of flame instead of a narrow streak. Its illuminating power is, therefore, necessarily far greater than can be obtained from lamps of the latter type. Each Lamp is furnished with a tin cover or lid, which also serves as an extinguisher.

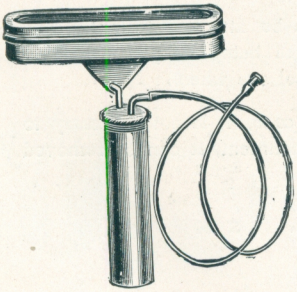


PATENTED.

Neatly boxed, $1.00 Pure Magnesium, fine ground, per ounce, 40c.

THE RAY FLASH LAMP.

Flash-light Photography is now attracting widespread attention among the amateurs, and the Ray Flash Lamp fills a long felt want. With it, interiors, groups, dinner and card parties, may be taken as clear and sharp as if they were in bright sunlight.

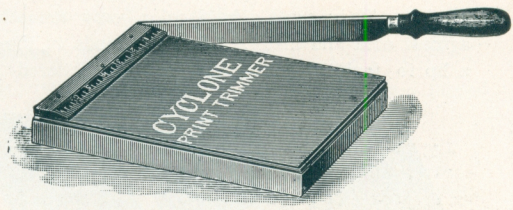


This Lamp is constructed on strictly scientific principles, enough air being mingled with the powder to produce perfect combustion, giving a large, wide flash that can be looked at without closing or blurring the eyes. The flash can also be made instantaneous or steady for any length of time desired. Pure magnesium powder only is used, being considered by all to be the best artificial light, as well as the only safe one to use.

Price, . . . $1.25

CYCLONE TRIMMING BOARD.

A first-class print trimmer at a reasonable price. This trimmer has a tempered steel knife, with finely ground edge, and will cut tissue paper, prints, card board and tin. It will last a lifetime.



	PRICE.
No. 11 will cut up to 7 inches in width,	$1.25
No. 12 will cut up to 8½ inches in width,	1.50
No. 13 will cut up to 10 inches in width,	1.75

PREMO TRIMMING BOARD.

This Trimming Board merits the consideration of all desiring a high grade Print Trimmer. The movable blade is curved, giving a drawing cut, so important for smooth work.

The efficiency of the machine is increased by the combination of the curved movable blade and the peculiar construction of its pivotal spring joint, which allows the blade a slight lateral motion, and thus secures perfect contact of the two blades at every point.



	PRICE.
No. 1 will cut up to 6 inches in width,	$1.50
No. 2 will cut up to 8 inches in width,	2.25
No. 3 will cut up to 10 inches in width,	3.00

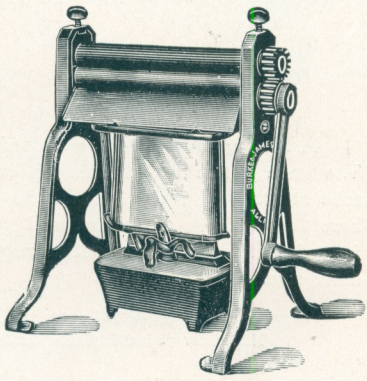
ALADDIN ROTARY BURNISHER.

The latest, cheapest and best burnisher for the money ever placed on the market. There is no complicated mechanism to get out of order, and all adjustments are simplicity itself.

The rolls are made of the best machine steel and finely nickel plated. The lower roll is highly polished while the upper is knurled. The cogs are cut steel, not cast, therefore there is no liability of breakage.

It is geared for the most brilliant effects.

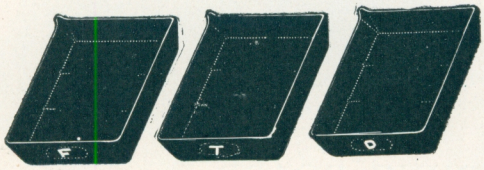
We are able to make the price within the reach of every amateur as well as professional photographer. Supplied with either oil or gas heater. In ordering please specify which is desired, otherwise the oil heater will be furnished.



	PRICE.
6 inches,	$ 5.00
8 "	6.00
10 "	8.00
12 "	10.00

DEVELOPING TRAYS.

The Electrose Trays are acknowledged to be the best Developing Trays ever put on the market. They are black in color, very smooth, handsome and strong. Guaranteed to be proof against acid and alkali. They are made in the shallow and deep shapes, the deep trays having a lip to facilitate emptying, and are lettered on the end, D. F and T, for Developing, Fixing and Toning. The letters are white, and plainly discernible in the dark room.

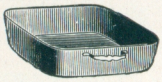


SIZE.	PRICE.
3¼ x 4¼,	$ .10
4 x 5,	.12
5 x 7,	.25
5 x 8,	.28
6½ x 8½,	.45
8 x 10.	.60

AGATE WARE PANS.

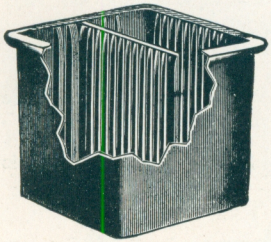
FOR TONING PRINTS.

Stronger and lighter than porcelain and not liable to breakage.



SIZE.	PRICE.
7 x 9,	$ .60
8 x 10,	.75
9 x 12,	1.10

COMPRESSED FIBRE FIXING BATH.

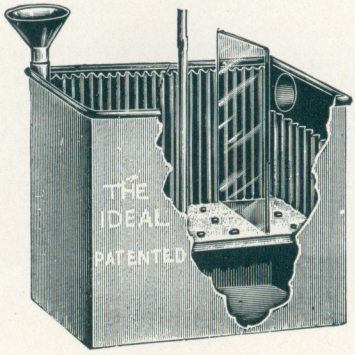


Guaranteed to be proof against acid and alkali, and will conveniently hold any size plate or cut film up to size listed. The bath will hold twenty-four plates, by placing two negatives in each groove, back to back.

SIZE.	PRICE.
4 x 5, with partition, each,	$1.25
5 x 8, each,	2.00
8 x 10, "	3.00

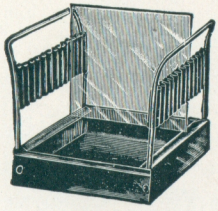
ZINC WASHING BOX.

A thoroughly practical, well-made washer at a low price. The water enters by attaching a rubber hose to the small tube at the top, which extends to the bottom of the box; here the water is distributed and goes up through the perforated bottom and flows out through the large tube at the other side.



	PRICE.
No. 1, for plates 3¼ x 4¼,	$1.15
No. 2, for plates 4 x 5 and 5 x 7,	1.25

PREMO WASHING AND DRYING RACK.



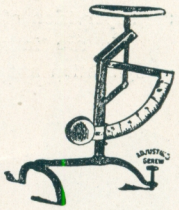
Plates can be washed in this rack and set aside to dry without removing. Sides of rack collapse into compact space when not in use.

Each rack holds twelve plates.

Made in three sizes. No. 1 for plates 3½ x 3½; No. 2 for plates 3¼ x 4¼ and 4¼ x 4¼; No. 3 for plates 4 x 5, 5 x 7 and 5 x 8.

Price, any size, each, . . $ .60

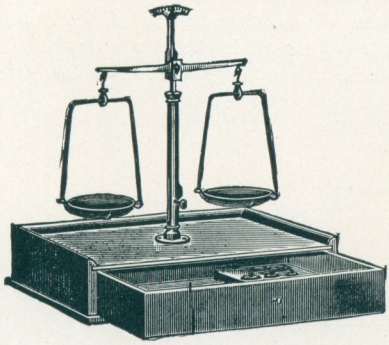
ADJUSTABLE SCALE.



The best scale for the money yet offered. No springs to get out of order; very reliable and convenient.

Weighs up to twelve drachms. Glass tray; easily cleaned.

Price, each, ... $ .60



POCO SCALES.

The box is polished walnut, all metal parts nickeled and highly polished.

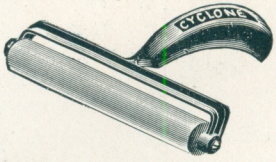
The scales take apart and pack away in the drawer fitted to the box.

The scale is absolutely reliable and is made on scientific principles.

Adapted for weighing all classes of photographic chemicals.

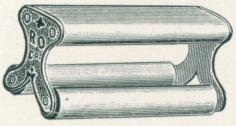
Price, 6 inch beam, . $2.75

PRINT ROLLER.



For mounting photographs. Indispensable to the amateur, well made of japanned iron with rubber rollers.

4 inch, each, . . $ .15
6 " " 25



SQUEEGEE AND PRINT ROLLER.

For pressing prints on cards when mounted. A very convenient and indispensable tool.

6 inch Double Roller, $ .40 9 inch Double Roller, $ .60

FERROTYPE PLATES.

These plates have a highly polished surface. Are used for drying Gelatine or Bromide papers, when a glossy finish is desired without burnishing. They cannot be sent by mail.

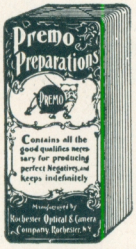
10 x 14 inches, light, each, . $ .20 10 x 14 inches, heavy, each, . $ .30

PREMO PREPARATIONS.

"If it is as good as a PREMO preparation it costs a good deal more."

The results of exhaustive, careful experimenting are realized in the production of the Premo Preparations. Each ingredient used in the manufacture of our preparations is chemically pure and the best to be procured from American and European chemists. Each article is put up under the supervision of a student of chemistry with the result that uniformity of strength is the rule.

We are imbued with an earnest desire to see the Premo Preparations merit the same recognization and win the enviable reputation that the Premo and Poco Cameras now enjoy.



HYDROGEN DEVELOPER.

(CONCENTRATED.)

Hydrogen Developer is a combination of Hydrochinone and Eikonogen, possessing the good qualities of both. The proportions are so well balanced that the results on any make of plates show the detail and exquisite softness of the Eikonogen, together with the crispness and density of the Hydrochinone.

Hydrogen Developer never becomes thick, and will not stain either the plate or fingers.

Price, 8 ounce bottle, ... $ .25
" 16 " " 40
" 32 " " 75

PREMO HYDROCHINONE.

(CONCENTRATED.)



As a general developer it cannot be surpassed. It assures perfect control of the plate, no matter what length of exposure has been given. Put up in two bottles in cardboard box. Sufficient amount to develop six or seven dozen 4 x 5 plates.

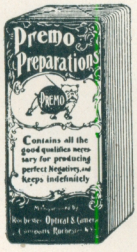
Per box, ... $ .30

PREMO PYRO POTASH.

(CONCENTRATED.)

Gives clear black-and-white negatives. Desirable for transparencies; will not stain the fingers, and can be used repeatedly until strength is entirely gone. Put up in two bottles, in cardboard box. Sufficient amount to develop six or seven dozen 4 x 5 plates.

Per box, ... $ .30

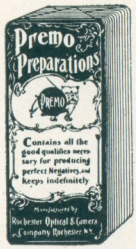


PREMO EIKONOGEN.

(CONCENTRATED.)

Gives soft, brilliant negatives, easy of manipulation. Can be used repeatedly until strength is entirely gone. Put up in one bottle, in cardboard box. Sufficient amount to develop six or seven dozen 4 x 5 plates.

Per bottle, 8 ounces. . . . . $ .25
" " 16 " 40



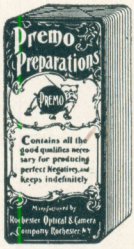
PREMO TRENOL-HYDRO DEVELOPER.

(CONCENTRATED.)

This is one of the best all around developers ever offered to the amateur, as it possesses all the good qualities necessary for producing perfect negatives and keeps indefinitely. Will not stain the fingers.

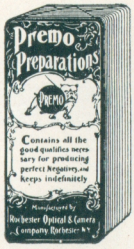
Price, 8 ounce bottle, ... $ .25
" 16 " " 40

PREMO TONING SOLUTION.



A combined bath for toning and fixing any of the popular brands of photographic papers. With this bath a variety of tones may be obtained, such as Sepia, Deep Brown and Black. An eight-ounce bottle of Toning Solution will tone and fix 48 cabinet prints. On account of the abundance of gold this solution is very quick in its action.

Price, 8 ounce bottle, ... $ .20
" 16 " " 35



PREMO INTENSIFIER.

For intensifying under-exposed or under-developed plates. A very convenient addition to your outfit. By its use poor, thin negatives can be made into good printers.

Price, 4 ounce bottle, ... $ .20
" 8 " " 35

PREMO POLISHING SOLUTION.



A small quantity rubbed over the ferrotype plate before squeegeeing prevents the print sticking and also gives the picture a very high finish.

But a few drops are used each time.

Price, 4 ounces, ... $ .15

PREMO NEGATIVE VARNISH.

Negatives from which a quantity of prints are to be made should always be varnished to prevent injury to the film.

Price, 4 ounce bottle, ... $ .30
" 8 " " 50

PREMO DEVELOPING POWDERS.

These powders are put up in dry form, and the contents need only be dissolved in water and the developer is ready for use. We offer the following combinations:

Eikonogen, small, $ .25; large, $ .40 Hydrochinone, large, $ .35
Trenol-Hydrochinone, " .20: " .35 Hydrogen, " .35



PREMO ADHESIVE.

For Mounting Aristotype, Velox or Other Prints.

This Paste has strong adhesive qualities, and will be found excellent for Aristotype, Velox, Bromide or other prints.

No curling of edges when using this paste. Premo Adhesive will keep indefinitely, and neither sour nor mould.

Price, 1 ounce tube,	$ .05	Price, 4 ounce jar,	$ .15
" 2 " "	.10	" 8 " "	.25
" 4 " "	.15		

GLASS FUNNELS.



Heavy and well made, with the sides at an angle of 60°, an inclination which experience teaches as the best to prevent the filter from breaking.

½ pint, each, ...	$ .12
1 " "	.15
1 quart, "	.20

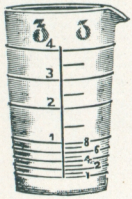
PATENT FLUTED FUNNELS.



The Fluted Funnel is the best glass funnel made, being very strong. It has ribs on the inside forming passages through which the solution passes quickly while filtering.

½ pint, .	$ .15	1 quart, ,	$ .25
1 " . .	.20	2 " . .	.35

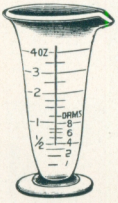
MEASURING GLASSES.



These answer every purpose as a regular graduate, the two and four ounce sizes being graduated into drachms, and the eight ounce into ounces only.

2 ounce, ...	$ .10
4 "	.15
8 "	.20

GRADUATED GLASSES.

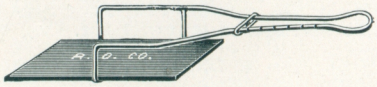


For measuring liquids. Marked accurately for drachms and ounces.

Minim, .	$ .20	4 ounce, .	$ .20
1 ounce, . .	.16	8 " . .	.30
2 " .	.18	16 " .	.40

DEVELOPING TONG.

A very convenient article for development, avoiding the necessity of handling the plate with the fingers.



No. 1—For plates 3¼ x 4¼ to 6½ x 8½, $ .40
No. 2—For plates 5 x 7 to 8 x 10, . .50

BRUSHES.



CAMEL'S HAIR.

Very soft, for dusting plates and negatives.

1 inch wide,	$ .20
1½ " "	.30
2 " "	.40

BRISTLE.

For mounting photographs.

1 inch wide,	$ .15
1½ " "	.20
2 " "	.25
2½ " "	.30
3 " "	.40



ABSORBENT COTTON.

For filtering purposes or absorbing moisture.

2 ounce parcel,	$ .20
4 " "	.30
8 ounce parcel,	$ .50
1 pound "	.75

BLOTTING PAPER.

For drying prints or absorbing moisture.

9 x 12 inches, per dozen sheets,	$ .20
12 x 19 " " "	.40
19 x 24 " " " "	.75

ORANGE OR RUBY FABRIC.

Convenient for lighting dark room.

Price, per piece. 18 inches square, either shade,	$ .20
" " square yard, either shade,	.60

ORANGE OR POST PAPER.

For dark room use.

20 x 24, per sheet,	$ .05
20 x 24, per dozen sheets,	.25
20 x 24, per quire,	.40

GROUND GLASS.

For focusing glasses.

4 x 5,	$ .10
5 x 7,	.12
5 x 8,	.12
6½ x 8½,	$ .15
8 x 10,	.20

NEGATIVE PRESERVERS.

They are made of strong, heavy manilla paper the proper size for the negative, are shaped like an ordinary envelope, but open on the end for the insertion of the plates, a space being cut for the thumb and finger for convenience in removing them. On the face are printed lines for name, number, description and remarks. They are invaluable for preserving the negative from dust, scratches, etc. Put up in packages of fifty each.

Size 3¼ x 4¼, per package, price,	$ .10
" 4 x 5, " " "	.12
4¼ x 6½, " " "	.15
5 x 7, " " "	.18
Size 5 x 8, per package, price,	$ .20
" 6½ x 8½, " " "	.25
" 8 x 10, " " "	.35

DEVELOPING AND PRINTING OUTFITS.



For the large number of amateurs who prefer not only to "take" pictures, but finish them as well, we have arranged the following complete outfits, comprising all necessary articles for developing the negative and making the print.

OUTFIT No. 1.

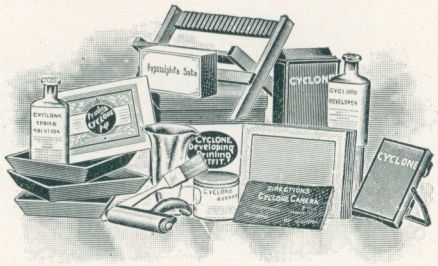
3 Fiber Trays.
1 Bottle Developer.
1 Printing Frame.
1 pound Hypo Soda.
1 Ruby Lamp.
1 Measuring Glass.
1 dozen Printing Paper.
1 Tube Developer.
1 Book Directions.

Price, neatly boxed. . . . 3¼ x 4¼, $1.50; 4 x 5, $1.50; 5 x 7, $2.50

SPECIAL OUTFIT No. 2.

This outfit contains a greater variety of accessories than No. 1, also our popular Universal Dark Room Lantern. It includes:

3 Fiber Trays.
1 Bottle Developer.
1 Poco Lamp.
1 Printing Frame.
1 pound Hypo. Soda.
1 dozen Printing Paper.
1 Negative Rack.
1 Tube M. Q. Developer.
1 Jar Paste.
1 Paste Brush.
1 dozen Card Mounts.
1 Squeegee Roller.
1 Graduate.
1 Book Directions.



Price, 3¼ x 4¼, $2.00; 4 x 5, $2.20; 5 x 7, $2.75; 6½ x 8½, $4.25; 8 x 10, $5.00

DEVELOPING AND PRINTING.

Many amateur photographers are satisfied with merely "taking" a picture, and prefer to have the developing and finishing done for them. We have provided a Finishing Department, with ample facilities for the prompt execution of all orders.

PRICE LIST FOR DEVELOPING AND PRINTING.

Size of Camera.	Developing, Printing and Mounting.	Developing Only.	Printing and Mounting Only.
3¼ x 4¼	10 cents.	4 cents.	8 cents.
4 x 5	12 "	5 "	8 "
5 x 7	15 "	8 "	10 "
5 x 8	15 "	8 "	10 "
6½ x 8½	20 "	10 "	12 "
8 x 10	30 "	12 "	20 "

DRY PLATES.

We handle all the leading brands of Dry-plates, among which are Seed, Cramer and Stanley. Our Developers are universal, and will work equally as well on any of the above named plates.

SIZE.	PRICE.	SIZE.	PRICE.
3¼ x 4¼, per dozen,	$ .45	5 x 8, per dozen,	$1.25
4 x 5, " "	.65	6½ x 8½, " "	1.65
4¼ x 6½, " "	.90	8 x 10, " "	2.40
5 x 7, " "	1.10		

FILMS.

For use with the Roll-holder when fitted to our Premo or Poco Cameras.

SIZE.	PRICE.
3¼ x 4¼, 12 exposures, Cartridge system,	$ .70
4 x 5, 12 " " "	.90
5 x 7, 12 " " "	1.60

CUT FILMS.

For use with our Film Holders.

SIZE.	PRICE.	SIZE.	PRICE.
4 x 5, per dozen,	$ .80	6½ x 8½, per dozen,	$2.10
5 x 7, " "	1.40	8 x 10, " "	3.00
5 x 8, " "	1.50		

ARISTO PRINTING OUT PAPER.

A **reliable** photographic printing-out paper. It will print with brilliant high lights, giving silky half tones, and rich, transparent shadows, can be used with combined or separate toning baths, and is suitable for strong or soft negatives.

Size.	Dozen.	Gross.	Size.	Dozen.	Gross.
2½ x 2½	2 Doz., $ .20	$1.00	5 x 8	1 Doz., $ .30	$3.00
3¼ x 4¼	2 " .20	1.15	6 x 8	1 " .40	4.00
3½ x 3½	2 " .20	1.15	6½ x 8½	1 " .45	4.25
4 x 5	2 " .25	1.25	7 x 9	1 " .50	5.00
5 x 7	1 " .30	2.65	8 x 10	1 " .60	6.50

MATTE SURFACE PRINTING-OUT PAPER.

FOR BLACK AND WHITE EFFECTS.

Size.	Dozen.	Gross.	Size.	Dozen.	Gross.
2½ x 2½	2 Doz., $ .30	$1.20	5 x 8	1 Doz., $ .40	$3.60
3½ x 3½	2 " .30	1.50	6 x 8	1 " .50	4.80
3¼ x 4¼	2 " .30	1.50	6½ x 8½	1 " .55	5.10
4 x 5	1 " .20	1.65	7 x 9	1 " .60	6.00
5 x 7	1 " .35	3.20	8 x 10	1 " .75	7.80

DEVELOPING PAPER.

This paper can be both printed and developed by gas or lamp light, and a beautiful effect of both platinum and carbon is obtained. The whole process requires but a few seconds and the results are very pleasing.

Size.	Dozen.	Gross.	Size.	Dozen.	Gross.
2½ x 2½	1 Doz., $ .15	$1.00	5 x 7	1 Doz., $ .35	$3.50
3½ x 3½	1 " .15	1.50	5 x 8	1 " .40	4.00
3¼ x 4¼	1 " .15	1.50	6½ x 8½	1 " .60	6.00
4 x 5	1 " .25	2.00	8 x 10	1 " .80	9.00

PREMO BLUE PRINT PAPER.

Premo Blue Print is prepared on the very best grade of paper, and is free from defects common to this class of photographic paper. It is adapted for all grades of work and will produce brilliant prints on either landscape, architectural or portrait negatives.

Each package contains full directions for printing. Put up only in sealed and air tight tin tubes in packages of 24 sheets in the following sizes:



3½ x 3½,	per package,	$ .16	5 x 7,	per package,	$ .35
3¼ x 4¼,	" "	.16	5 x 8,	" "	.40
4 x 5,	" "	.20	6½ x 8½,	" "	.50
4¼ x 6½,	" "	.30	8 x 10,	" "	.75

Larger sizes up to 24 x 36 furnished at proportionate prices.

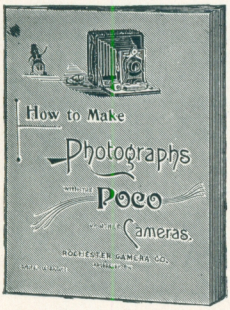
"SUNLIGHT" FLASH POWDERS.



By far the best powder on the market. Will not ignite by friction. This powder is prepared with the greatest care, and can be used with safety in a parlor or any furnished apartment without danger.

Put up as follows, in packages containing six cartridges each:

"A" $\frac{1}{24}$ oz., .	$ .25	"C" ⅛ oz., .	$ .60
"B" $\frac{1}{12}$ oz., . .	.40	½ oz. boxes,	.30



"HOW TO MAKE PHOTOS."

We have compiled a little book, more especially for beginners, touching on the manipulation of our make of cameras; also the process of taking pictures, developing, toning and printing; how they should be done, how to get the best results; definite receipts for making solutions, etc., which is a very valuable work, not alone to the beginner, but to all amateurs.

It is the most concise and practical work of the kind ever published.

Price, . . $ .10

PREMO PHOTO OPTICAL OUTFIT.

With this outfit there is no limit to the variety of effects obtainable. The lenses are only supplementary, but they give to the owner of one good objective lens the advantage of five different focal lengths, which is equivalent to five first-class objective lenses.



THIS OUTFIT CONSISTS OF

1 Portrait Lens, 1 Enlarging Lens, 1 Wide Angle Lens,
1 Tele Photo Lens, 1 Ray Filter, 1 Duplicator.

The Price includes all the above Instruments.

A—Outfit, diameter of lens frames $1\frac{5}{16}$, for 4 x 5 Premos, Pocos, and all other makes with lens hoods less than $1\frac{5}{16}$, . . $6.00

B—Outfit, diameter of lens frames $1\frac{5}{16}$, for 5 x 7 Premos, Pocos, etc., 6.00

CARD MOUNTS.

We have recently equipped a factory with the latest improved machinery for the manufacture of photographic card mounts, and are in a position to supply amateur card mounts of strictly new and up-to-date designs at lowest market price.

Medium weight, embossed mounts; white enameled, queen's gray, tea, and sage green, with white embossed border of an attractive design.

No.	Size.	Per Doz.	Per 100	Per 1000
100	for Pictures 1½ x 2,	$ .10	$ .30	$ 2.25
101	" " 2 x 2,	.10	.30	2.50
102	" " 2½ x 2½,	.10	.35	2.75
104	" " 3½ x 3½,	.12	.60	4.75
105	" " 3¼ x 4¼,	.12	.65	5.25
106	" " 4¼ x 4¼,	.15	.80	6.00
107	" " 4 x 5,	.15	.90	7.50
108	" " 5 x 7,	.20	1.25	10.25

Extra heavy, white enameled, queen's gray, tea, and sage green, with wide embossed border of an attractive design.

No.	Size.	Per Doz.	Per 100	Per 1000
200	for Pictures 1½ x 2,	$ .10	$ .35	$ 2.50
201	" " 2 x 2,	.10	.35	2.75
202	" " 2½ x 2½,	.10	.40	2.75
204	" " 3½ x 3½,	.12	.70	5.50
205	" " 3¼ x 4¼,	.12	.70	5.50
206	" " 4¼ x 4¼,	.15	1.00	8.25
207	" " 4 x 5,	.15	1.00	8.25
208	" " 5 x 7,	.25	1.60	12.50

White enameled center, tinted gray and sage green, embossed border; design same as No. 200, extra heavy stock.

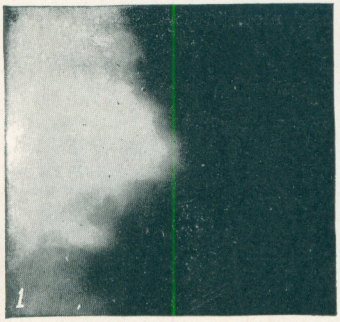
No.	Size.	Per Doz.	Per 100	Per 1000
300	for Pictures 1½ x 2,	$ .12	$ .45	$ 3.00
301	" " 2 x 2,	.12	.45	3.00
302	" " 2½ x 2½,	.12	.55	3.50
304	" " 3½ x 3½,	.15	.80	6.50
305	" " 3¼ x 4¼,	.15	.90	7.25
306	" " 4¼ x 4¼,	.20	1.20	9.25
307	" " 4 x 5,	.20	1.25	9.50
308	" " 5 x 7,	.35	2.00	16.00

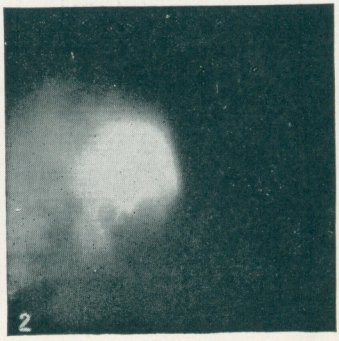
Plain mounts, of good quality, in white enameled, gray, tea and sage green.

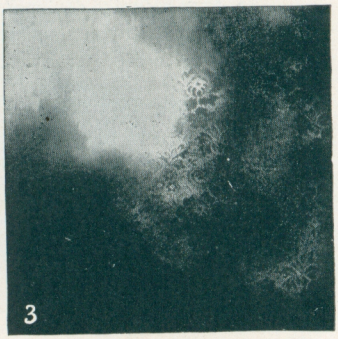
No.	Size.	For Pictures	Per Doz.	Per 100	Per 1000
500	2¼ x 2¾,	2½ x 2½,	$ .05	$ .20	$ 1.25
501	3¼ x 3¾,	3½ x 3½,	.06	.35	2.75
502	3½ x 4½,	3¼ x 4¼,	.06	.35	2.75
503	4¼ x 5¼,	4 x 5,	.10	.60	4.50
504	5¼ x 7¼,	5 x 7,	.15	1.00	7.25

☞ When less than 100 card mounts are ordered the dozen price will be charged; 100 to 500 will be billed at the hundred price; 500 or over at the thousand price. These mounts are too heavy to be sent by mail.

BACK GROUNDS.

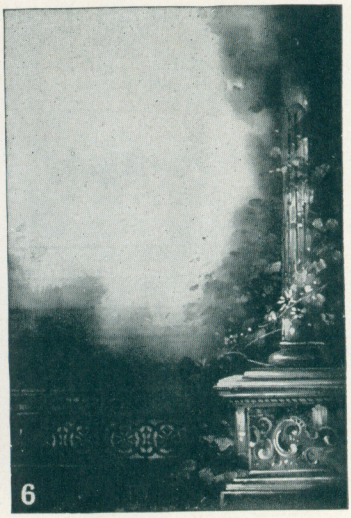








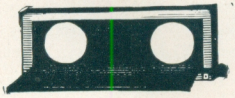




These are special designs made and adapted for home use. They are attached to a roller and can be easily hung upon the wall, giving Professional Rembrandt effect to your portraits, thereby increasing the artistic quality of your work. Painted on heavy canvas, making them durable and artistic.

Nos. 1 2 and 3 Head Grounds, size 4 x 4 feet, each, . . $1.50
Nos. 4, 5 and 6 Scenic Ground, size 4 x 6 feet, each, . . . 2.00

STEREOSCOPIC EXPOSURE.

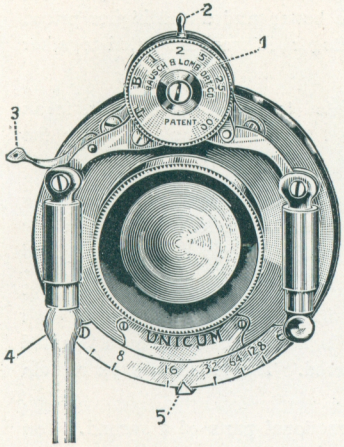


This device is made of mahogany, and is designed for time exposures with Stereoscopic Cameras, the object being to expose both lenses simultaneously, although it can be operated very rapidly.

Price, ... $1.25

SHUTTERS.

UNICUM SHUTTER.



The Unicum Shutter enbodies principles of its own in construction, and is without doubt the most popular with all classes of photographers. Its manipulation is very simple, equipped as it is with every device known that can be used to advantage. It has both finger and pneumatic release, together with dial indicating instantaneous, bulb, or time exposures, also the different speeds at which the shutter is desired to operate, it works automatically from one second to one-hundredth part of a second, or any fraction between by simply revolving disc No. 1 to the desired speed.

Time exposures are made by placing letter T at indicator; one pressure of bulb will open the shutter, the second pressure closing it. When letter B is at indicator, one pressure of bulb will open it; when pressure is released, it will close. The iris diaphragms are regulated by moving lever 5 to the right or left until the desired aperture is obtained, as is indicated by numbers on the scale.

SPECIFICATIONS AND PRICE OF SHUTTER ONLY.

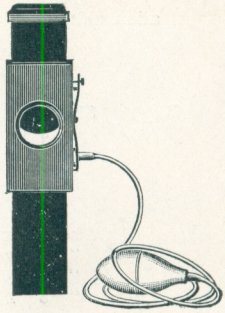
When fitted to Zeiss or Rochester Symmetrical Lens.

Size, 4 x 5,	Size of Largest Diaphragm,	¾	inches, Price,	$ 8.00
" 5 x 7,	" " " "	1	" "	9.00
" 6½ x 8½,	" " " "	$1\frac{5}{32}$	" "	10.00
" 8 x 10,	" " " "	$1\frac{13}{32}$	" "	12.00

When fitted to Lenses of Other Manufacture Leaving Barrel Intact.

Size, 4 x 5,	Size of Largest Diaphragm,	¾	inches, Price,	$10.00
" 5 x 7,	" " " "	1	" "	11.00
" 6½ x 8½,	" " " "	$1\frac{5}{32}$	" "	13.00
" 8 x 10,	" " " "	$1\frac{13}{32}$	" "	15.00

DROP SHUTTER.

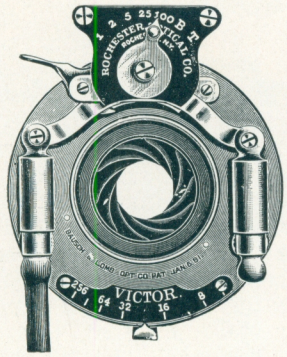


The Drop Shutter is made of mahogany with cherry slide, the opening being made on scientific principles, the slide working by the aid of a rubber band. It is padded on top by a thin sheet of rubber, lessening the concussion when an exposure is made.

Made in three sizes, with 1¾, 2½ and 3¼ inch openings.

Price, ... $ .75

THE VICTOR SHUTTER.



The new Victor Shutter is a marvel of ingenuity. All the latest and most approved adjustments, including the Iris Diaphragm, have been added, making it complete in every detail. It works between the lenses, and may be easily and quickly regulated for time and instantaneous exposures. The Shutter is practically noiseless, and perfectly free from vibration, the retarding device, being a feature found only in the better grades and higher priced shutters. Both pneumatic and finger release are fitted together with bulb and hose attachment.

The Iris Diaphragm, as applied to the Victor Shutter, is an important feature, and is the best adjustment for regulating the amount of light entering the lens yet devised.

By simply moving the index at the bottom to the right or left, the size of the aperture is increased or diminished. The movement of the leaves of the Iris is very smooth, and the size of each opening is indicated by an index and scale on the margin of the shutter.

The manipulation of the Shutter is very simple. To set for instantaneous work, simply push the lever at the left, (shutter facing you) upward until a "click" is heard. The exposure is made by a gentle pressure on the same lever, or with the bulb as preferred. The leaves always remain closed when setting.

The Victor Shutter works automatically from one second to fractional parts of a second. The speed may be varied at will by simply moving the indicator on the black metal disc at top, to the right or left, until it is opposite the speed desired.

Time exposures are made by placing the indicator opposite the letter T. Then push lever at the left up as directed for instantaneous work. Pressure on the lever or the bulb will open the Shutter: a second pressure will close it.

When the indicator is at the letter B the shutter will remain open so long as a pressure is exerted on the bulb. When pressure is removed the Shutter closes.

The Victor Shutter is supplied only with Premo and Poco Cameras, is neat, compact and one of the most handsome adjuncts to the camera, the proportion is such to the outfit that it adds to the beauty rather than detracts, as is the case with many, the design is original and the manipulation simplicity itself.

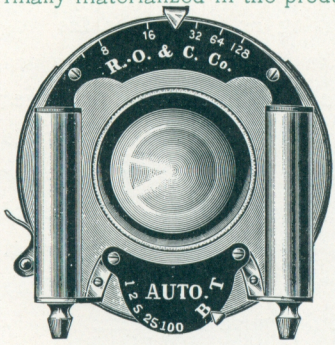
SPECIFICATIONS AND PRICE OF SHUTTER ONLY.

When fitted to Zeiss or Rochester Symmetrical Lens.

| | | |

AUTO SHUTTER.

The introduction of the Auto Shutter. marks an epoch in photographic Shutter construction. Experts and scientists have labored without cessation in the construction of a Shutter for photographic purposes on purely automatic principles. Their ideas have finally materialized in the production of the Auto Shutter.



It is, as the name implies, automatic in photographic exposure; that is, self-acting and ever ready for use, no setting device being required. By merely a pressure of the bulb or finger release, the exposure is made, and the Shutter is automatically set for the next exposure.

The Auto not only combines the automatic feature, but the retarding device as well. Instantaneous exposures of from one one-hundredth part of a second, or intervening fractions thereof, to one second, can be made on time and bulb exposures of any desired duration.

The speed regulator is a neat device located at the bottom of the Shutter, with figures indicating the second and fractions thereof, together with letters B and T, for bulb and time exposures, and are adjusted by simply turning a small index either to the right or left to the required speed.

The Shutter is equipped with Iris Diaphragms, which are regulated from the top by a small lever, the diaphragm openings being designated by plainly marked figures.

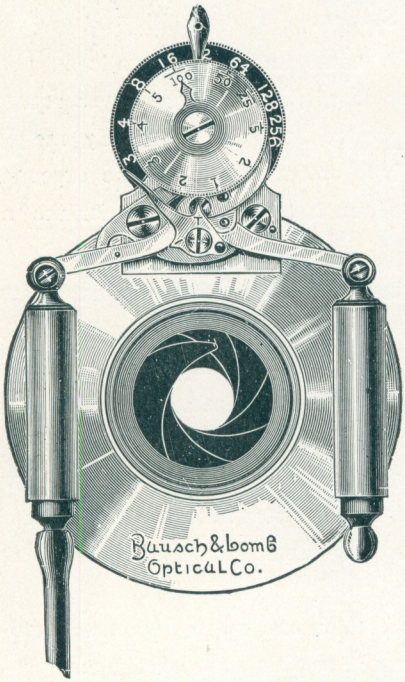
Not the least important feature in connection with the Auto Shutter is the fact that it is self inclosed. All the working parts are contained in an outer case, preventing dust or other foreign substances from entering and injuring the working mechanism.

The Auto is small, compact and exceedingly neat in appearance, recommending it to all desiring a thoroughly equipped Shutter of pronounced originality, superior construction and simple of manipulation. **PRICE.**

	Fitted to Symmetrical or Zeiss Lens.	Fitted to Lenses of other Manufacture.
4 x 5, size of largest diaphragm ¾ in.,	$ 9.00	$11.00
5 x 7, " " " 1 in.,	10.00	12.00
6½ x 8½, size of largest diaphragm $1\frac{5}{32}$ in.,	12.00	15.00
8 x 10, " " " $1\frac{13}{32}$ in.,	14.00	17.00

DIAPHRAGM SHUTTER.

The Diaphragm Shutter was designed for amateur and professional photographers who desire a strictly first-class, high-grade shutter, for both in-door and out-door work. It is constructed on the most scientific principles, the leaves of the diaphragm not only regulating the size of the aperture, but serving as the shutter, the diaphragm opening to the required aperture and closing automatically. It therefore equalizes the distribution of light over the entire plate more perfectly than is possible by any other construction. The variation in the size of opening is made by turning the black disc at the top of shutter, and is marked for both the symmetrical and wide-angle lens.



The front dial is for regulating exposures, the shutter working automatically and making an exposure of from three seconds to one one-hundredth part of a second, and by simply moving a small lever, it may be set for time exposures of any desired duration, the lever being marked I for instantaneous and T for time. It is provided with safety device, so that no exposure can be made while setting the shutter. The shutter is set by turning the small lever at the top to the left. The manipulation is perfect and very simple.

SPECIFICATIONS AND PRICE OF SHUTTER ONLY.

When fitted to Rochester Symmetrical or Zeiss Anastigmat Lenses.

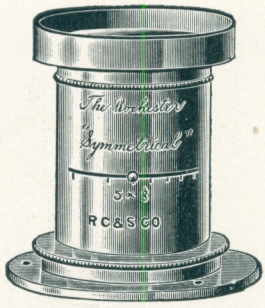
Size,	4	x	5,	Opening of Largest Stop,			7/8	inches,	Price	-	-	$14.00
"	5	x	8	"	"	"	"	1 1/8	"	"	- - -	15.00
"	6½	x	8½	"	"	"	"	1 3/8	"	"	- -	16.00
"	8	x	10	"	"	"	"	1¾	"	"	- - -	17.50

When fitted to Lenses of Other Manufacture.

Size,	4	x	5,	Price	- -	$14.50	Size,	6½	x	8½,	Price - - $16.50
"	5	x	8,	"	- - -	15.50	"	8	x	10	" - 18.00

ROCHESTER SYMMETRICAL LENS.

This lens was designed for portraits, groups, architecture, landscape, and instantaneous work. It is one of the best lenses ever constructed for general work, being perfectly rectilinear, free from distortion, and all objectionable features. It has a great depth of focus and perfectly flat field. It is fitted to all of our high-grade cameras, unless otherwise ordered. We invite comparison with any lens of its class now on the market.



SPECIFICATIONS AND PRICES.

4	x 5	size, 1	in. diam. lens,	6¼	in. equiv. focus,	5¾	in. back focus,	$10.00
5	x 7	"	1⅛ "	"	"	8	"	"	"	7¼	"	"	"	12.00
5	x 8	"	1¼ "	"	"	9	"	"	"	8¼	"	"	"	14.00
6½	x 8½	"	1½ "	"	"	11	"	"	"	9¾	"	"	"	16.00
8	x 10	"	1¾ "	"	"	13	"	"	"	11½	"	"	"	20.00

ROCHESTER SYMMETRICAL WIDE-ANGLE LENS.

These wide-angle lenses will be found as valuable for the character of work for which they are designed as our well known and popular symmetrical series. They are adapted for interiors, buildings, landscapes, and all work in confined situations where lenses of longer focus cannot well be used. They have an angle of from 80 to 90 degrees. They are fitted to all of our high-grade cameras when wide-angle lenses are ordered, unless otherwise specified.

SPECIFICATIONS AND PRICES.

No. 1,	4	x 5	size,	3½	inch focus, Price	. . . . .	$ 8.00
No. 2,	5	x 8	"	5	" " "	. . . . .	10.00
No. 3,	6½	x 8½	"	6½	" " "	. . . . .	12.00
No. 4,	8	x 10	"	8	" " "	. . . . .	15.00

ZEISS ANASTIGMAT, SERIES V.—1:18.

WIDE-ANGLE LENS PAR EXCELLENCE, FOR INTERIORS, ARCHITECTURE, COPYING AND LANDSCAPES.

This series is a Wide Angle Lens proper, having an angle of 108°, notwithstanding which it is available for instantaneous work with sunlight illumination.

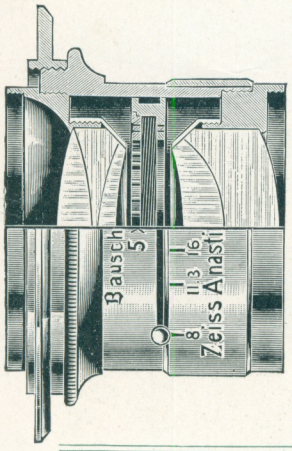
No.	Size of Plate covered with Stop *f* 36.	Diag. of Largest Pla. cov. with Sm. Stop 104° 110°.	Free Diameter of Largest Lens.	Equivalent Focus.	Price.
1	4¼ x 6½ in.	$8\frac{11}{16}$ in.	$\frac{9}{32}$ in.	3⅜ in.	$22.50
2	5 x 7 "	11 "	$\frac{5}{8}$ "	4⅜ "	22.50
3	6½ x 8½ "	$14\frac{3}{16}$ "	$\frac{1}{2}$ "	$5\frac{9}{16}$ "	28.00
4	8 x 10 "	15¾ "	$\frac{9}{16}$ "	$7\frac{3}{16}$ "	35.00

BAUSCH & LOMB-ZEISS ANASTIGMAT, F:8.

Series IIa.

This lens is adapted for portraits, groups, instantaneous out-door work and copying. The front system of these objects is composed of two and the back system of three lenses, special Jena glass being used. The two systems have a greater separation than in the other anastigmat lenses, and therefore admit the application of the Auto shutter, as well as the Unicum, Victor and other shutters which operate between the lenses, to the smaller sizes. The mountings are extremely neat and compact, the angle being 80 degrees.

Being of relatively slower speed, it has been possible to compute them for an absolutely flat image, free from all astigmatism, and for extremely sharp definition. It is the most desirable out-door lens made. The speed will be found ample for all ordinary instantaneous exposures, giving an unusual evenness of illumination, flatness, and depth. In the studio they are well adapted for large heads, figures, and groups. These lenses are also particularly adapted to copying and half-tone work, giving the minutest detail with extreme flatness to the edges.



These lenses fitted to any of our Premo or Poco Cameras would make an ideal outfit. They are supplied with our improved iris diaphragm.

SPECIFICATIONS AND PRICES.

No.	Size of Plate covered with Stop *f*-8.	Diagonal of Largest Plate covered with Small Stop 72°.	Free Diameter of Largest Lens.	Equivalent Focus.	Brass Mounting Price.
1	4 x 5 in.	6⅝ in.	⅝ in.	4⅜ in.	$30.00
2	4¼ x 6½ "	8¼ "	¾ "	5⅜ "	33.50
3	5 x 8 "	10⅛ "	1 "	6½ "	44.00
4	6½ x 8½ "	12⅜ "	$1\frac{3}{16}$ "	8 "	54.50
5	8 x 10 "	14¾ "	$1\frac{7}{16}$ "	9⅝ "	64.50

No. 2 should be used for 4 x 5 size when shutters are to be fitted.

NOTE—As it becomes practically impossible to regularly produce pieces of optical glass which are free from isolated small air bubbles, we must point out that the existence of such small air bubbles, even in the most unfavorable case, hardly reaches a loss of light amounting to one-fiftieth per cent., and therefore is entirely without influence on the optical result of a lens system.—*Schott & Gen, Manufacturers of Photographic Objective Glass. Germany.*

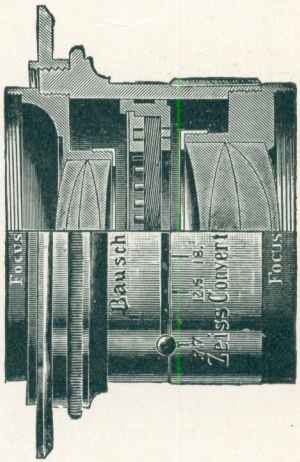
BAUSCH & LOMB-ZEISS CONVERTIBLE ANASTIGMAT LENS.

Series VIIa.

The Convertible Anastigmats are doublet lenses. They contain eight elementary lenses arranged in pairs, two pairs in each system. Such a lens is convertible into three lenses of different foci and angle where the two single anastigmats are of different foci, or into two where they are of the same foci. The speed, when composed of two single anastigmats of the same foci, is f:6-3. When the single anastigmats are of different foci, the speed is f:7 or f:7.7, according to the relative foci employed. The anastigmat flatness of the field is of the highest degree of perfection, the plates being covered sharply to the edges. The full angle of the image circle is eighty degrees, and astigmatism is entirely eliminated.

For hand cameras these lenses stand at the head of the list both in optical qualities and in their adaptability to the limited space allowed for the lens. In selecting the lens see that the back focus of no combination selected is longer than the greatest extension of which the bellows is capable.

Either the back or front combination can be used alone, as well as both combinations together, thereby giving three distinct foci; *i. e.*, Nos. 8, 7 inches, 11½ inches, and 14 inches, making it an ideal lens for long distance or general work. It is particularly adapted to our long-draw or Tele-Photo cameras.



SPECIFICATIONS AND PRICES.

No.	Size of Plate covered with Full Aperture.	Focus of Front Lens.	Focus of Back Lens.	Combined Focus.	Speed	Price.
3	4 x 5 in.	11½ in.	7¼ in.	5 in.	F:7-7	$ 59.50
5	4¼ x 6½ "	11½ "	9 "	5¾ "	F-7	63.00
8	5 x 7½ "	14 "	11½ "	7 "	F-7	75.00
9	5 x 8½ "	16½ "	11½ "	7½ "	F:7-7	87.50
11	6½ x 8½ "	16½ "	14 "	8½ "	F-7	94.50
12	6½ x 8½ "	19¼ "	14 "	9¼ "	F:7-7	115.50
17	8 x 10 "	23½ "	19¼ "	12 "	F-7	167.50

LENS FLANGES.

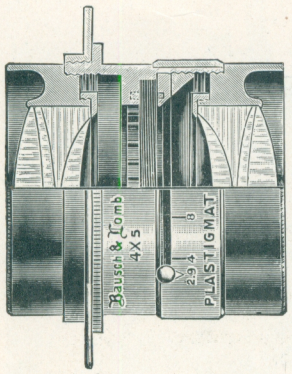
Number,	1	2	3	4	5	6	7	8	9	10	11
Diameter, in.,	1½	1¾	2	2¼	2½	3	3½	4	5	5½	6
Price, each,	$ .50	.50	.75	1.00	1.00	1.25	1.50	1.75	2.00	2.50	3.00

BAUSCH & LOMB PLASTIGMAT LENS.

F. 6.8.

The Plastigmat is an entirely new lens (so recognized by the U. S. Patent Office. Letters Patent No. 660,747 having been granted.) The experience gained in the construction of the most improved types of lenses and familiarity with the large variety of glasses now at the disposal of opticians has made it possible to construct an objective possessing many advantages not found in the various anastigmat lenses heretofore produced. The objects attained are; highest optical correction, simplicity of construction, permanence of material, great rapidity, compactness, portability and adaptability to the various shutters used between lens combinations.

The front and back combinations of the Plastigmat are similar and composed of four lenses each. The glass employed is of the famous Jena manufacture, extremely transparent and absolutely permanent. The heavy flint glass used in most lenses has been avoided and thus speed is increased to an appreciable amount and the tendency to deterioration removed.



Optically the Plastigmat is a decided step in advance. The anastigmatic corrections are absolutely perfect. The field is flat and without a trace of spherical distortion.

The foci chosen for the various sizes of the series are longer than has been customary heretofore, in order to obviate the exaggerated perspective always obtained with short focus lenses. The plate for which the various foci are rated is perfectly covered with the full opening of the lens, a working speed of F. 6:8.

The separate systems possess anastigmatic and spherical corrections of the highest order. The rear system may be used separately as an objective, and, having twice the focal length of the doublet will give images twice as large at the same distance from the object and with a speed of F. 13:5 sufficient for instantaneous exposures under normal conditions.

A new form of mounting has been designed, securing absolute accuracy in the separation and centering of the systems and greater compactness with less weight than has heretofore been attained.

Our Iris Diaphragm, Unicum, Victor or Auto shutters can be fitted between the systems.

For hand camera work this lens can be recommended in every respect. Its speed is sufficient for extremely rapid snap shots, its focal length gives proper perspective even in smaller sizes, its covering power is unequalled and its perfect anastigmatic correction gives the utmost brilliancy and control of focus. The possibility of using the rear system separately is also of great advantage in landscape, portrait and group work on cameras having sufficient length of bellows.

For general photography the Plastigmat will give satisfaction where a lens of the highest optical excellence is required.

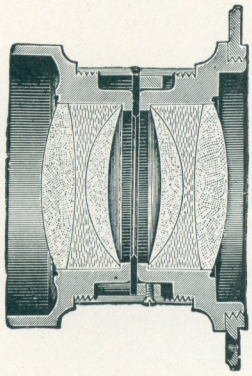
SPECIFICATIONS AND PRICES.

No.	Size of Plate.	Equiv. Focus.	Diameter.	Price.
1	3¼ x 4¼	5¼ in.	$\frac{13}{16}$ in.	$ 34.00
2	4 x 5	6¼ "	⅞ "	40.00
3	5 x 7	7½ "	1 "	48.00
4	5 x 8	9¼ "	1⅜ "	55.00
5	6½ x 8½	11 "	1⅝ "	75.00
6	8 x 10	13 "	1⅞ "	90.00

GOERZ'S DOUBLE ANASTIGMAT F: 6-8.

SERIES III.

This is a Universal Extra-Rapid Lens suitable for portraits, groups, instantaneous photography, landscapes, architecture, interiors and enlargements. The lenses of this series are UNIVERSAL in character in the full sense of the word. At full aperture they admit of instantaneous photographs embracing an angle of seventy degrees being taken, even on dull days. By the use of small stops the photograph may be made to include an angle of ninety degrees. The Double Anastigmats of Series III satisfy, therefore, the highest requirements, and are eminently adapted for all general purposes, in and out of doors. As the image is perfectly sharp, even with large apertures, the definition, brilliancy, and depth of every point of the field is absolutely uniform. Hence perfectly sharp wide-angle instantaneous photographs may be taken. The back lens, the focus of which is about the double of that of the entire objective may, by itself, be used as a landscape lens.



These lenses are particularly adapted for hand and field cameras, and are well adapted for our long draw or Tele-Photo instruments, as both combinations can be used for general work, while one combination alone together with the long draw bellows can be used on distant objects. The size of the plate indicated F: 6-8 represents the area which is sharply covered up to the edge. This lens is also par-excellence with both combinations and the extreme long draw of our Tele-Photo instrument in portrait work.

SPECIFICATIONS AND PRICES.

	Equivalent Focus. In.	Free Aperture. In.	Size of Plate Sharply Covered at F: 6-8 In.	F: 15-5. In.	F: 62. In.	Price with Iris Diaphragm.
No. 0,	4¾	⅝	3¼ x 4¼	4 x 5	4¾ x 6½	$37.50
No. 1,	6	⅞	4 x 5	4¾ x 6½	5 x 8	45.00
No. 2,	7	1	4¾ x 6½	5 x 8	7 x 9	51.50
No. 3,	8¼	1¼	5 x 8	6½ x 8½	8 x 10	62.50
No. 4,	9½	1 5/16	6½ x 8½	7 x 9	10 x 12	75.50
No. 6,	12	1⅝	8 x 10	10 x 12	16 x 18	107.00

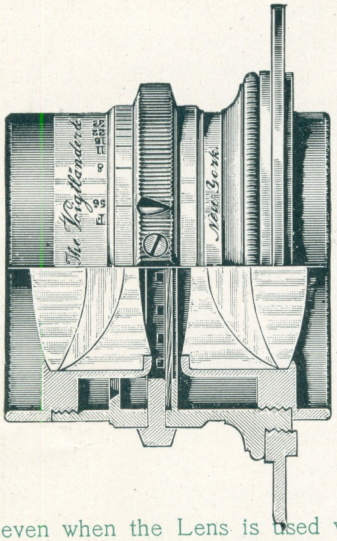
LENS CAPS.

Number,	1	2	3	4	5	6	7	8	9	10	11	12
Diameter, in.,	1½	1¾	1⅞	2 1/16	2 3/16	2½	2¾	3 1/16	3 9/16	4 1/16	4 9/16	5 9/16
Price, each,	$ .60	.60	.65	.70	.70	.75	.80	.90	1.00	1.10	1.20	1.25

COLLINEAR DOUBLE ANASTIGMAT LENS.

SERIES II.

The Collinear Lens unquestionably ranks among the highest types of modern symmetrical Double Anastigmats. It is a new form of Lens, made of Jena glass, and consists of two symmetrical anastigmatic combinations, each of which is made up of three Lenses, the contiguous surfaces being permanently cemented together.



Astigmatism—which is that peculiarity in a Lens, in consequence of which the focal distances vary for vertical and horizontal lines immediately adjacent to one another—it has been impossible to overcome, until late years, when the discovery of the new "Jena" glass enabled opticians to produce a Lens free from this error, and which has been appropriately styled the "Anastigmat."

The sharpness of the image yielded by Collinear Lenses is remarkable. The finest definition is easily obtained over the entire plate, even when the Lens is used with full aperture. The covering power, in relation to its focus, is surprisingly large. The sizes given in the list are by no means the largest plate covered, but are chosen with regard to the proportions and appearance of the photograph.

In all Collinear Lenses, Series II, the back combination may be used separately, forming an Anastigmat Lens with largest aperture F. 11, and posessing double the focal length of the Lens when used as a compound.

FULL APERTURE, F. 5.6.

Number.	Equivalent Focus. Inches.	Size of Plates Sharply Covered. F. 5.6. Inches.	F. 8. Inches.	F. 32 Inches.	Price with Iris Diaphragm.
1	3½	3¼ x 3¼	3 x 4	3¼ x 4¼	$35.00
2	4¾	3¼ x 4¼	4¼ x 6½	5 x 7	40.00
3	5⅞	4¼ x 6½	5 x 7	6½ x 8½	45.00
4	7⅞	5 x 7	6½ x 8½	8 x 10	60.00

FULL APERTURE OF FOLLOWING SIZES, F. 6.3.

5	9⅞	6 x 8	6½ x 8½	9 x 11	77.50
6	11⅞	6½ x 8½	8 x 10	10 x 12	105.00
7	14½	8 x 10	10 x 12	12 x 15	140.00

MISCELLANEOUS SUPPLIES.

	PRICE.
Glass for No. 1 or No. 2 Poco Universal, Orange or Ruby,	$0.08
Glass for No. 3 Universal Lamp, Orange or Ruby,	.10
Tops for Tripod,	.40
Screws for Tripod,	.12
All Mill Head Nuts and Screws,	.12
Lens Boards for Poco and Premo Cameras,	.20
" " " Stereo Cameras,	.30
Bellows for 4 x 5 Folding, Pony or Cycle Cameras,	1.50
" " 5 x 7 " " " "	2.00
" " 6½ x 8½ " " " "	2.50
" " 8 x 10 " " " "	3.00
" " 4 x 5 Tele-Photo A and D,	2.00
" " 5 x 7 " " "	2.50
" " 6½ x 8½ " " "	3.00
" " 8 x 10 " " "	4.00
" " 4 x 5 " " B and C,	2.50
" " 5 x 7 " " "	3.00
" " 6½ x 8½ " " "	4.00
" " 8 x 10 " " "	5.00
" " 4 x 5 Pony Premo, No. 6,	2.50
" " 5 x 7 " " "	3.00
" " 6½ x 8½ " " "	4.00
" " 8 x 10 " " "	5.00
" " 4 x 5 Long Focus Premo,	3.00
" " 5 x 7 " " "	4.00
" " 6½ x 8½ " " "	5.00
" " 8 x 10 " " "	6.00
Bulb and Hose,	.30
Tubing, per foot,	.06
Fronts, Premo and Poco, 4 x 5,	1.50
" " " " 5 x 7,	2.00
" " " " 6½ x 8½,	2.50
" " " " 8 x 10,	3.00
" " " " Stereo,	3.00
Ground Glass Frames, 4 x 5,	.30
" " " 5 x 7,	.40
" " " 5 x 8,	.50
" " " 6½ x 8½,	.60
" " " 8 x 10,	.75

PHOTOGRAPHIC CHEMICALS.

Our Chemicals are guaranteed Pure, and of full weight and measurement.

	PRICE.
Acetate of Soda, two-ounce bottle, each,	$0.10
Acetate of Lead, 2 oz. bottle, each,	.10
Alum, Chrome, per pound,	.20
Alum, Powdered, per pound,	.15
Bi Carbonate of Soda, per pound,	.15
Borax, per pound,	.25
Bromide of Ammonium, per 2 oz. bottle,	.20
Bromide of Potassium, per 2 oz. bottle,	.20
Carbonate of Potash, per pound,	.20
Carbonate of Soda, per pound,	.15
Chloride of Gold, Pure, fifteen-grain bottle, each,	.75
Chloride of Lime, per pound,	.15
Citric Acid, per 2 oz. bottle,	.20
Eikonogen, per 2 oz., bottle,	.80
Ferri-cyanide of Potassium, per 2 oz. bottle,	.25
Ferro-cyanide of Potassium, per 2 oz. bottle,	.15
Glycerine, per 2 oz. bottle,	.15
Hydrochinon, per 2 oz. bottle,	.50
Hypo-sulphite of Soda, one-pound box, each,	.10
Hypo-sulphite of Soda, five-pound box, each,	.40
Iron, Proto-sulphate, per pound,	.10
Litmus Paper, Red or Blue, per sheet,	.05
Magnesium Powder, Pure, per 2 oz. bottle,	.80
Meta Bi-sulphite of Potash, per 2 oz. bottle,	.25
Oxalate of Potash, Neutral, per pound,	.35
Oxalic Acid, per 2 oz. bottle,	.10
Phosphate of Soda, per 2 oz. bottle,	.10
Pyrogallic Acid, per ounce,	.40
Sulphite of Soda, Crystals, per pound,	.15
Sulphite of Soda, Granular, per pound,	.25
Sulpho-cyanide of Ammonia, per ounce,	.20
Tungstate of Soda, per 2 oz. bottle,	.20

TELEGRAPH CODE.

Our many friends will find this Code convenient and economical in ordering by telegraph, as an illustration, should a 4 x 5 Pony Premo No. 3 with Victor Shutter be desired, the one word *Alimony* would suffice.

PREMO.

Alimony,	Pony Premo No. 3 with Victor Shutter and Lens,	4 x 5
Allegory,	" " No. 4 " " " " " "	4 x 5
Almond,	" " No. 4 " " " " " "	5 x 7
Barber,	" " No. 5 " Auto " " " "	4 x 5
Balsam,	" " No. 5 " " " " " "	5 x 7
Banker,	" " No. 5 " " " " " "	6½ x 8½
Banquet,	" " No. 5 " " " " Series IIA Zeiss Lens,	4 x 5
Battle,	" " No. 5 " " " " " " " "	5 x 7
Billet,	" " No. 5 " " " " " " " "	6½ x 8½
Danger,	" " No. 6 " " " " Lens,	4 x 5
Divan,	" " No. 6 " " " " " "	5 x 7
Docket,	" " No. 6 " " " " " "	6½ x 8½
Domestic,	" " No. 6 " " " " " "	8 x 10
Element,	" " No. 6 " " " " Series VIIA Zeiss Lens,	4 x 5
Emulsion,	" " No. 6 " " " " " " " "	5 x 7
Feast,	" " No. 6 " " " " " " " "	6½ x 8½
Fender,	" " No. 6 " " " " " " " "	8 x 10
Hack,	" " No. 6 " " " " " " III Goerz "	4 x 5
Hebrew,	" " No. 6 " " " " " " " "	5 x 7
Hermit,	" " No. 6 " " " " " " " "	6½ x 8½
Intrigue,	" " No. 6 " " " " " " " "	8 x 10
Isthmus,	" " No. 6 " " " " Series II Voigtlaender Collinear Lens,	4 x 5
Ivory,	" " No. 6 " " " " " " " "	5 x 7
Journey,	" " No. 6 " " " " " " " "	6½ x 8½
Juggler,	" " No. 6 " " " " " " " "	8 x 10
Kenmore,	Long Focus Premo with Auto Shutter and Lens,	4 x 5
Kidder,	" " " " " " " "	5 x 7
Kimbow,	" " " " " " " "	6½ x 8½
Kindred,	" " " " " " " "	8 x 10
Kinsman,	" " " " " " Series VIIA Zeiss Lens,	4 x 5
Ligament,	" " " " " " " " " "	5 x 7
Lilac,	" " " " " " " " " "	6½ x 8½
Litigant,	" " " " " " " " " "	8 x 10
Logman,	" " " " " " " " III Goerz "	4 x 5
Meddler,	" " " " " " " " " "	5 x 7
Memory,	" " " " " " " " " "	6½ x 8½
Mirror.	" " " " " " " " " "	8 x 10
Moulder,	" " " " " " " " II Voigtlaender Collinear Lens,	4 x 5
Needle,	" " " " " " " " " "	5 x 7
Nibbler,	" " " " " " " " " "	6½ x 8½
Nominee,	" " " " " " " " " "	8 x 10
Opaque,	Pony Premo B with Victor Shutter and Lens,	3¼ x 4¼
Observer,	" " B " " " " "	4 x 5
Occupant,	" " B " " " " "	5 x 7
Partridge,	" " C " " " " "	4 x 5
Packer,	" " C " " " " "	5 x 7
Quag,	Premo A with Auto Shutter and Lens,	4 x 5
Quaker,	" A " " " " "	5 x 7
Quandry,	" A " " " " "	6½ x 8½
Quartz,	" A " " " " "	8 x 10

TELEGRAPH CODE—Continued.

Rake,	Premo A with Auto Shutter and Series IIA Zeiss Lens,	4 x 5
Rampart,	" A " " " " " " " " "	5 x 7
Recess,	" A " " " " " " " " "	6½ x 8½
Rosary,	" A " " " " " " " " "	8 x 10
Serpent,	Premo B with Victor Shutter and Lens,	3¼ x 4¼
Sapphire,	" B " " " " "	4 x 5
Scruple,	" B " " " " "	5 x 7
Serenade,	Premo C with Victor shutter and Lens,	4 x 5
Slipper,	" C " " " " "	5 x 7
Tablet,	Stereo Premo A with B, & L. Stereo Shutter and Stereo Lens,	5 x 7
Teacher,	" " A " Unicum " " " " "	5 x 7
Thimble,	Stereo Premo B with B. & L. Stereo Shutter and Stereo Lens,	5 x 7
Timber.	" " B " Unicum " " " " "	5 x 7

PREMO HOLDERS.

Verrel,	Premo Holders,	3¼ x 4¼
Vessel,	" "	4 x 5
Viking,	" "	5 x 7
Vision,	" "	6½ x 8½
Voyage,	" "	8 x 10

POCO.

Advocate,	Tele-Photo Poco A with Auto Shutter and Lens,	4 x 5
Affection,	" " " A " " " " " "	5 x 7
Agitator,	" " " A " " " " " "	6½ x 8½
Agonist,	" " " A " " " " " "	8 x 10
Alabaster,	" " " A " " " " Series VIIA Zeiss Lens,	4 x 5
Alarm,	" " " A " " " " " " " " "	5 x 7
Algebra,	" " " A " " " " " " " " "	6½ x 8½
Alien,	" " " A " " " " " " " " "	8 x 10
Baker,	" " " A " " " " " III Goerz "	4 x 5
Bench,	" " " A " " " " " " " " "	5 x 7
Caddy,	" " " A " " " " " " " " "	6½ x 8½
Cadet,	" " " A " " " " " " " " "	8 x 10
Dagger,	" " " A " " " " " II Voigtlaender Collinear Lens,	4 x 5
Dainty,	" " " A " " " " " " " " " "	5 x 7
Damask,	" " " A " " " " " " " " " "	6½ x 8½
Dapper,	" " " A " " " " " " " " " "	8 x 10
Dauber,	" " Cycle Poco B with Auto Shutter and Lens,	4 x 5
Dauphin,	" " " " B " " " " " "	5 x 7
Deacon,	" " " " B " " " " " "	6½ x 8½
Deemster,	" " " " B " " " " "	8 x 10
Edifice,	" " " " B " " " " Series VIIA Zeiss Lens,	4 x 5
Elder,	" " " " B " " " " " " " " "	5 x 7
Falcon,	" " " " B " " " " " " " " "	6½ x 8½
Fashion,	" " " " B " " " " " " " " "	8 x 10
Garment,	" " " " B " " " " III Goerz "	4 x 5
Garter,	" " " " B " " " " " " " " "	5 x 7
Greening,	" " " " B " " " " " " " " "	6½ x 8½
Grenade,	" " " " B " " " " " " " " "	8 x 10
Harness,	" " " " B " " " " " II Voigtlaender Collinear Lens,	4 x 5
Hatter,	" " " " B " " " " " " " " "	5 x 7
Hungry	" " " " B " " " " " " " " "	6½ x 8½
Hanger,	" " " " B " " " " " " " " "	8 x 10

TELEGRAPH CODE—Continued.

Image,	Tele-Photo Cycle Poco C with Auto Shutter and Lens,	4 x 5
Imbecile,	" " " " C " " " " " "	5 x 7
Impact,	" " " " C " " " " " "	6½ x 8½
Incense,	" " " " C " " " " " "	8 x 10
Incident,	" " " " C " " " " Series VIIA Zeiss Lens,	4 x 5
Incline,	" " " " C " " " " " " " " " "	5 x 7
Income,	" " " " C " " " " " " " " " "	6½ x 8½
Incubus,	" " " " C " " " " " " " " " "	8 x 10
Index,	" " " " C " " " " " " III Goerz Lens,	4 x 5
Indigo,	" " " " C " " " " " " " " " "	5 x 7
Indolent,	" " " " C " " " " " " " " " "	6½ x 8½
Industry,	" " " " C " " " " " " " " " "	8 x 10
Infant,	" " " " C " " " " " " Series II-Voigtlaender Collinear Lens,	4 x 5
Infidel,	" " " " C " " " " " " " " " "	5 x 7
Iceberg,	" " " " C " " " " " " " " " "	6½ x 8½
Icicle,	" " " " C " " " " " " " " " "	8 x 10
Jacket,	" " " " D " " " " " " Lens,	4 x 5
Jackonet,	" " " " D " " " " " " "	5 x 7
Jagger,	" " " " D " " " " " " "	6½ x 8½
Jangler,	" " " " D " " " " " " "	8 x 10
Janitor,	" " " " D " " " " " " Series IIA Zeiss Lens,	4 x 5
Jargon,	" " " " D " " " " " " " " " "	5 x 7
Jasper,	" " " " D " " " " " " " " " "	6½ x 8½
Javelin,	" " " " D " " " " " " " " " "	8 x 10
Jerkin,	Cycle Poco No. 1 with Auto Shutter and Lens,	4 x 5
Jersey,	" " No. 1 " " " " " "	5 x 7
Jester,	" " No. 1 " " " " " "	6½ x 8½
Jesuit,	" " No. 1 " " " " " "	8 x 10
Jigger,	" " No. 1 " " " " Series IIA Zeiss Lens,	4 x 5
Joiner,	" " No. 1 " " " " " " " " "	5 x 7
Kaffer,	" " No. 1 " " " " " " " " "	6½ x 8½
Kavass,	" " No. 1 " " " " " " " " "	8 x 10
Keblah,	" " No. 2 " Unicum " " Lens,	4 x 5
Kedge,	" " No. 2 " " " " " "	5 x 7
Keel,	" " No. 3 " " " " " "	4 x 5
Keeper,	" " No. 3 " " " " " "	5 x 7
Kennel,	" " No. 4 " Gem " " Rapid Rectilinear Lens,	4 x 5
Kermes,	" " No. 4 " " " " " " " " "	5 x 7
Kersey,	" " No. 4 " " " " Single Achromatic Lens,	4 x 5
Kestral,	" " No. 4 " " " " " " " " "	5 x 7
Kicker,	" " No 5 " Unicum Shutter and Lens,	4 x 5
Kiddow,	" " No. 5 " " " " " " " " "	5 x 7
Kindler,	Poco Folding Series A with Auto Shutter and Lens,	4 x 5
Kingdom,	" " " A " " " " " " " " "	5 x 7
Knitch,	" " " A " " " " " " " " "	6½ x 8½
Knocker,	" " " A " " " " " " " " "	8 x 10
Laborer'	" " " A " " " " Series IIA Zeiss Lens,	4 x 5
Lagoon,	" " " A " " " " " " " " " "	5 x 7
Lance,	" " " A " " " " " " " " " "	6½ x 8½
Larnyx,	" " " A " " " " " " " " " "	8 x 10
League,	" " " B " Unicum " " Lens,	4 x 5
Lecture,	" " " B " " " " " " " " "	5 x 7
Legend,	" " " C " " " " " " " " "	4 x 5
Lemon,	" " " C " " " " " " " " "	5 x 7
Marble,	Stereo Poco with B & L. Stereo Shutter and Stereo Lens,	5 x 7
Market,	" " " Unicum " " " " " " " " "	5 x 7

TELEGRAPH CODE—Continued.

POCO HOLDERS.

Wagon,	Poco Holders,	4 x 5
Walker,	" "	5 x 7
Wedding,	" "	6½ x 8½
Willow,	" "	8 x 10

CYCLONE.

Zebra,	Cyclone Junior,	3½ x 3½
Zenith,	" Senior,	4 x 5
Zither,	" No. 4	3¼ x 4¼
Zoology,	" No. 5	4 x 5

PATENTS

OWNED AND CONTROLLED BY ROCHESTER OPTICAL & CAMERA CO.

UNITED STATES PATENTS.

No. 312,363	No. 433,745	No. 446,372	No. 571,632	No. 593,010	No. 620,583	No. 636,224
" 355,856	" 433,746	" 446,373	" 574,113	" 603,972	" 624,057	" 670,220
" 363,547	" 446,368	" 446,374	" 581,806	" 609,033	" 643,711	" 705,287
" 363,833	" 446,369	" 364,998	" 581,808	" 616,582	" 643,720	" 705,290
" 427,321	" 446,370	" 555,986	" 587,991	" 618,459	" 626,356	
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" 292,453 " 284,666

GREAT BRITAIN: No. 2,189, Issue of 1899.
" 12,232, " " 1890.
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No. 62,569
" 69,572
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No. 145,322
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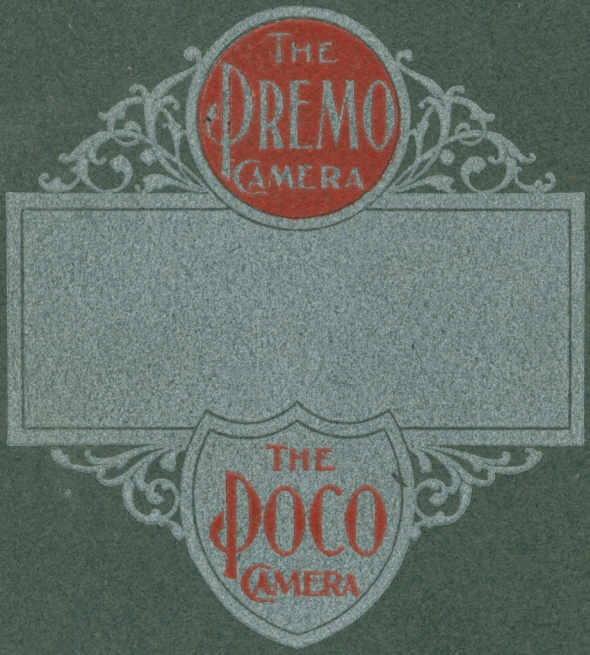
GERMANY:
No. 56,923
" 60,536

TRADE MARKS:

PREMO. POCO. CYCLONE. RAY.

Other patents pending, and any infringement of either patents or trade marks will be summarily prosecuted.

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