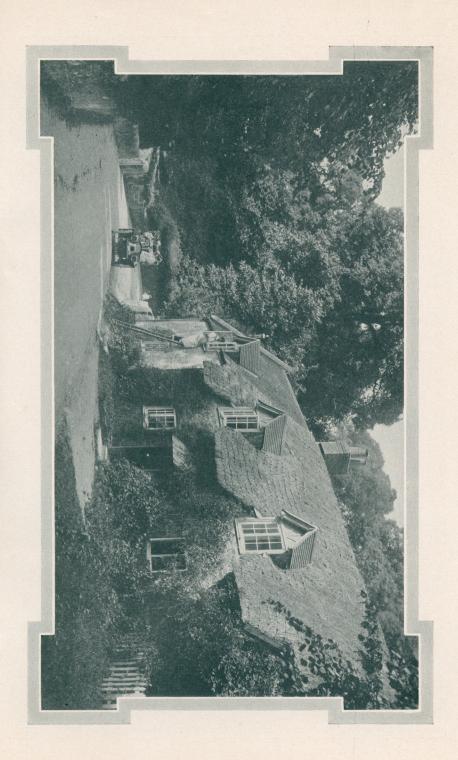


CENTURY CAMERAS





EVER since Century Cameras were introduced they have held a position of supremacy in the photographic field that has made the name "Century" synonymous with all that is best in photography. In producing the Century the one idea has been to construct a camera of the highest possible efficiency, both in regard to operation and durability, finished in a manner that is in perfect harmony with its technical perfection.

That this has been accomplished there is no question. An examination of a Century will reveal in every part, evidences of painstaking care, as well as accurate and efficient workmanship.

CENTURY CONSTRUCTION The body of the Century is constructed of the best kiln-dried mahogany, which has been prepared long before it is actually required

for use, to preclude any possibility of warping. Only stock having the richest grain effect is secured, and it is finished in a manner that preserves the rich mahogany color and beautiful grain of the wood. Every Century, from the least expensive to those of highest price, is not merely nailed together and then covered with leather—it is dovetailed, a much more expensive

method of manufacture. All corners are rounded before the leather cover is applied, giving the completed camera a graceful and finished appearance. By employment of highly specialized artisans, men trained by long experience in camera making, the use of raw materials, perfect in every respect, with the





CAMERAS

1999

Century Camera Division Eastman Rodak Company Rochester, New York



most modern mechanical appliances and a thoroughly up-to-date system of manufacture, we are enabled to produce in our finished product the nearest possible approach to absolute perfection.

Century Cameras embody the good points which many years of camera building have developed and suggested. There are also new features and exclusive ideas covered by letters patent, all of which make the entire Century line thoroughly distinctive.

CENTURY

REVOLVING BACK

The Revolving Back enables the photographer to decide instantly, just how he wishes to make the picture, as the reflected image

can be viewed with the ground glass focusing screen in either a vertical or horizontal position, without detaching the back.



Showing Revolving Back turned half-way to Vertical Position

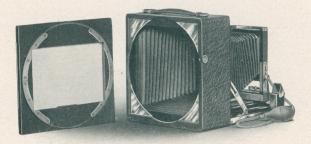
The plate is changed from a horizontal to a vertical position by simply pressing a spring catch at the side and revolving the back; the posi-

tion of the camera, or any part of it, is not disturbed.

Photographic plates are usually longer one way than the other, and it has been the general custom to build cameras so that the long dimension of the plate is horizontal. When

photographing high buildings, or when making portraits, or in fact any perpendicular subject, the length of the picture should be up and down, the short side acting as a base.

To make an upright picture with an ordinary camera, by which we mean one without reversible back, the entire instru-



Revolving Back detached from Camera, showing Construction

ment must be turned over on its side, and in this position the various adjustments are not as accessible nor as readily manipulated. Even with the improved form of hand camera, made with a reversible back, it is necessary, when changing the plate from a horizontal to a vertical position, to detach the entire back, either by releasing springs or pressing buttons, then turn the back over and again adjust it to camera in the reverse position.

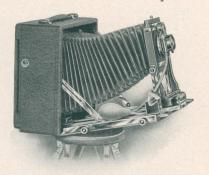
THE SWING BACK-THE
CENTURY METHOD AND
ITS ADVANTAGES

The purpose of a Swing Back or Swing Bed is to keep the plate perpendicular, or parallel with the object photographed. To include the

top of a tall building or church spire, or to secure more of a subject than can be obtained with the camera when level, it is often necessary to tilt it. Under such conditions, with a camera not having a Swing Back or Swing Bed, the lines in the photo-

graph will converge at the top, because the plate is at an angle with the subject instead of parallel to it. If the back of the camera is made to "swing" independently, then, even though the camera is not level, the plate can be placed parallel with the subject, and straight lines secured.

In photographing groups the Swing Back may be employed to good advantage. A group is usually so arranged



Century Grand Sr. showing Swing Bed

that the front row is quite close to the lens, while the back row may be a considerable distance away; by slightly tilting the swing back all of the subjects may be brought into the focal plane, giving a sharp image without using a small diaphragm or stop.

To manipulate an ordinary Swing Back, it is necessary to adjust the tripod legs, in order to keep the plate perpendicular. But this is not always convenient—in fact, impossible under certain conditions. We have perfected an adjustment which avoids the necessity of any change in the position of the tripod, and this feature is the Century Swing Bed. It is easier to manipulate than the old style Swing Back, and when the tripod top has been leveled and the camera attached, the plate always remains perpendicular, whether the Swing Bed is used or not.

All Century swings having rack and pinion movement are fitted with our patent Swing Back Lock, which holds the back

absolutely rigid in any desired position by simply pushing the milled head in flush with bed—another exclusive Century idea.

As a rule, landscape pictures are made with a small diaphragm in the lens for the purpose of bringing into sharp focus both objects in the foreground as well as distant points. Under certain conditions the use of a small diaphragm would require an exposure too long to prevent movement of the objects—swaying trees, etc. As there are usually no straight lines in a landscape, by tilting the Swing Back, both near and distant objects can be brought into focus while using a large stop.

A Swing Bed is not necessary for hand work pure and simple, but this feature as applied to Century Cameras does not increase either the weight or bulk. It is an adjustment that will be found very convenient when making tripod exposures, and under certain conditions it is practically indispensable.

THE RISING AND FALLING
FRONT AND THE
CENTURY IDEA OF IT

The lens when occupying its normal position on a camera is exactly in the center of the plate. The purpose of a Rising and Falling

Front is to shift the lens above or below the center, and thus vary the relative amount of sky and foreground, on which depends very largely the artistic effect of the picture. Moving the lens upward will give more sky, and when dropped below the center the amount of foreground is increased.

All Century Cameras have Rising and Falling Front, and the maximum amount of movement is given. In Models 41 and 43, the adjustment is controlled by a milled head. The Cen-

tury Model 46 and Grand Senior Cameras have, however, a new Century feature—whereby the front is raised and lowered by a small knob on the top of the left standard. Only one movement is necessary to raise or lower and secure the lens in any desired position without the usual binding screw.

The Century Grand Senior, also the Model 46 and Petite No. 3, have the front arranged to move horizontally as well as vertically. This is called a Double Sliding Front. The horizontal movement permits adjusting the lens from side to side, thus changing the angle of view, or, if the camera is not made with a reversing back, this movement takes the



Double Sliding Front with Adjustment for Raising and Lowering

place of regular Rising and Falling Front when the instrument is reversed for vertical pictures.

THE FRONT AUTOMATIC CLAMP In place of the old style clamp hook for holding the front in position, after focusing, all Century Cameras are fitted with

our patent Automatic Clamp—a novel device that automatically clamps and securely holds at any point on the bed the front

with lens and shutter. There is absolutely no chance of the front slipping after once adjusting the focus, as the "shoe" grips the brass bed plate its entire length. When the T-shaped bar at the base



Century Automatic Clamp

of front is straight across the bed, or parallel with the name plate, the Clamp is set, and the front cannot move. To release the Clamp it is only necessary to turn the bar a trifle either to the right or left, when the front with lens can readily be moved forward or back. The instant the bar is released it clamps the front automatically, and clamps it securely—no slipping or sliding to throw the picture out of focus. This Clamp is the most effective device ever invented for the purpose. It is another of our exclusive and very prac-

tical features, adding much to the efficiency of Century Cameras.

THE CENTURY FOCUSING SCREEN The method of fitting the ground glass Focusing Screen in Century Cameras is entirely different as it provides for a variation

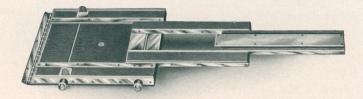
in the thickness of the ground glass. If the original screen is ever broken, it can be replaced without a single tool in ten seconds, actual time, and no matter how thin or thick the glass, it will automatically register and occupy the same plane as the sensitive plate. No other plate or film camera has this feature. It is an exclusively Century idea, greatly increasing the accuracy of photography with a Century.

THE TRIPLE SECTION BED-OPERATED BY A SINGLE PIN-ION-THE CENTURY WAY

One of the many important points of superiority in the Century is the absolute rigidity of our extension bed. The increased use

of anastigmat lenses working at large apertures, and, therefore, necessarily heavy, has made rigidity a most important feature in camera construction. The Century Triple Extension Beds are marvels of mechanical ingenuity. A single pinion at the side moves each section of the bed forward or back and when pushed in, acts as a lock, holding the bed absolutely firm and rigid whether it is fully or only partly racked out. By turning

the milled head the section carrying lens and shutter moves first, and when this section is fully extended it locks automatically into the second section, and at the same time begins to carry it forward by means of a continuous rack. Our method of fitting the front section of the bed is entirely new and an original Century idea. It gives an exceptionally easy and smooth

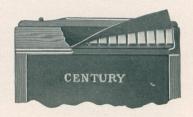


Century Triple Extension Bed

movement, as the same amount of friction exists whether the front section is fully or only partly extended. Special construction of the wood and metal parts makes the bed capable of resisting atmospheric changes to a remarkable degree. Each section is bound with metal to prevent any possibility of lost motion, and brass guides on the top of the bed insure strength and perfect rigidity.

CENTURY One of the most important parts of a photographic out-

fit is the plate holder, as an imperfectly constructed plate holder will frustrate the plans of the most careful photographer. Century Holders are constructed with a specially designed flexible light-valve, which will allow



CENTURY
FINDERS

Century Finders are of a special design, far superior to the ordinary type, as three lenses are employed. In place of simply one lens at the top we use two, and by this combination secure an image which is most brilliant and perfect. For the purpose of cleaning the lenses and mirror, the Century Finder can readily be removed from the brass binding and as easily put back into place—a feature not possible with any other Finder on the market.

PETITE CENTURY No. 3

THE demand for a camera, compact in form and possessing many of the adjustments of more elaborate instruments, is met with the Petite Century No. 3. For instantaneous and time exposures, for landscapes and interiors, for portraits and groups, for flashlight pictures — for all these and more too, it is admirably adapted.

Real pictures are not the result of making snap shots at random.

To properly compose

To properly compose and arrange the picture it is necessary to see the full size image reflected on the ground glass. This is possible with the Petite Century No. 3, whether using plates or film, and it is a great advantage. The No. 3 Petite has

the automatic front clamp, rack and pinion for delicate focusing, brilliant finder—in fact, every adjustment and advantage necessary to a high grade instrument, and in addition:

A Rapid Symmetrical Lens.

A No. 1 Automatic Shutter (for description see page 37).

A Double Sliding Front.

A Swing Bed and Swing Back.

A Bellows of sufficient length to use the back combination of Symmetrical Lens alone.

Never before has so compact a camera been made, embodying the features enumerated above, and at the same time perfectly adapted for glass plates, the Film Pack and Cartridge Roll Holder.* The Petite No. 3 will at once appeal to all who desire for general work a camera in the most compact form possible.

Specifications

	31/4 x 41/4	3½ x 5½	4 x 5
Dimensions	51/4 x 27 x 43/8	6½ x 43/8 x 21/2	6 x 23/8 x 51/8
Length of Bellows.	9"	101/2"	101/2"
Weight	22½ ozs.	13/4 lbs.	29 ozs.

Price

Including one Double Plate Holder.

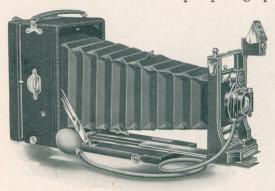
		31/4 X 41/4	31/4 X 51/2	4 x 5
Petite Century No. 3		\$20.00	\$25.00	\$25.00
Extra Double Plate Holders, each		1.00	1.00	1.00

^{*31/4} x 51/2 Cartridge Roll Holder not supplied.

CENTURY PETITE GRAND

THE popularity of the $3\frac{1}{4} \times 5\frac{1}{2}$ or "3-A" size, and numerous requests for a camera making a photograph of these dimensions, possessing all the more important adjustments, have led to the introduction of the Century Petite Grand. In this camera we have embodied all the features that

make up a photographic equipment of



the highest type, and at the same time have not increased the size or weight over many cameras making the same size picture, but whose lack of adjustments renders them useless for many photographic purposes.

The Century Petite Grand is built throughout of mahogany selected and kiln-dried, with all joints dovetailed. The camera is handsomely covered with fine black special grain cowhide, and has a padded handle for carrying. The metal work is polished and lacquered in a rich gold color. The bellows is made of red leather, lined with rubber cloth, insuring elasticity and rendering it absolutely light-proof.

In addition to the usual Century features, the Century Petite Grand has swing back and side swing, something not obtainable

on any other camera of this size, the value of which feature will be instantly apparent to those who have attempted to photograph groups or buildings at close range with fixed back cameras.

The swing back and side swing are made doubly valuable on account of the rising and falling front, both of which adjustments are actuated to permit the greatest possible range of movement.

The rising front is controlled by a small milled knob on top of the left front standard.

Another feature which makes the Century Petite Grand an especially valuable instrument is the large and rigid front large enough to accommodate the new Anastigmat Lenses working at high speeds, such as the B. & L.-Zeiss Tessar IIb and Cooke Series III—and rigid enough to prevent vibration when the camera is used with the bellows extended.

The Bellows is of ample length for copying or to allow the use of the back combination of the lens when it is desirable to secure a large image without too closely approaching the subject. The lens supplied on the Century Petite Grand is the Centar Series II, a lens of superior covering power and definition. It is achromatic, rectilinear and so constructed that either the front or back combination may be used alone for distant views, the single lens having double the focus of the combined elements. A full description of the Centar Series II will be

found on page 33.

Our latest and best Shutter—the No. 1 Automatic—is fitted to the Century Petite Grand. Its many attractive features and advantages will be appreciated by both amateur and professional photographers. The Automatic operates for instantaneous, time and bulb exposures. The mechanism is so constructed that in moving to terminate an exposure, it will automatically set itself for the next exposure. There can be no question as to "whether the shutter is set," as it is always ready for instant use, being released and set by simply pressing the bulb. The diaphragms are marked in accordance with the standard U. S. system. Both lens and shutter are fully described on pages 33 and 37.

To those requiring a camera for general photographic use, as well as making negatives for postcard reproduction or lantern slides, it would be difficult to recommend a better equipment than the Century Petite Grand.

Specifications

Dimensions						73/8 x 31/2 x 5
Length of Bellows						13"
Weight						38 ozs.

Price

Including Velvet Lined Sole Leather Carrying Case and one Double Plate Holder

Double Hate Holder	31/4 x 51/2
Century Petite Grand, with Centar Lens Series II	
	77.55
Do. and Volute Shutter	78.30
With Zeiss Protar Lens Series VIIa and Compound Shutter .	117.05
Do. and Volute Shutter	117.80
With B. & LZeiss Tessar Lens Series IIb and Compound Shutter	86.55
Do. and Volute Shutter	87.30
With Cooke Lens Series III and Compound Shutter	88.30
Do. and Volute Shutter	90.80

CENTURY CAMERA, MODEL 41

With Revolving Back

ROR those who choose to invest but a moderate amount, and, at the same time require an instrument that is capable of producing a high grade of photographic work, the Century Model 41 offers many advantages. It is made throughout of mahogany with all corners dovetailed, and is fitted



with adjustments that enable it to accomplish a wide range of photographic work. In addition to the usual adjustments, the Century Model 41 is fitted with a rack and pinion for accurate focusing, also a shutter of superior design

-the No. 4 Double Valve Shutter.

The shutter has triplicate movement, and is also fitted with a lever for throwing back the leaves when focusing—

a new and exclusive Century feature. The Lens is the Century Rapid Rectilinear. Both lens and shutter are described

on pages 33 and 37.

The back revolves for upright pictures (see page 4), the front adjusts for regulating sky and foreground and an excellent finder with hood is attached to the bed. An automatic clamp holds the front with lens at any desired point on the bed, an easier and more satisfactory method of adjustment than the old style clamp hook. The 5×7 size is furnished with mahogany front in place of brass.

Specifications

	31/4 x 41/4	4 x 5	5 x 7
Dimensions	55/8 x 23/4 x 51/2	63/8 x 3 x 61/4	85/8 x 33/4 x 81/2
Length of Bellows .	8"	91/2"	13"
Weight	30 ozs.	38 ozs.	4½ lbs.

Price

Including one Double Plate Holder and Sole Leather Carrying Case.

		31/4 x 41/4	4 x 5	5 x 7
Century Camera, Model 41 .		\$17.00*	\$19.00	\$25.00
Extra Double Plate Holders, each		1.00	1.00	1.25

^{*}Not furnished with Revolving Back, but has Reversible Back.



CENTURY CAMERA, MODEL 43

With Revolving Back

HE advanced amateur will find the Century Model 43 a particularly available instrument, as it is adaptable to nearly every variety of photographic work.

Model 43 contains every adjustment and all the meritorious features possessed by the less expensive types, including revolving



the camera is fitted with a swing back and swing bed, and a Century Rapid Symmetrical Lens. The extra long bellows supplied with the Model 43 has sufficient length

to permit the use of the rear combination of the lens when it is desirable to secure a large image of a distant object—a feature every experienced photographer will appreciate. The swing back is a useful adjustment and a decided advantage when photographing buildings, church spires and similar subjects.

The Shutter is our highest type—the No. 1 Century Automatic, operating for instantaneous, time and bulb exposures, with either finger or pneumatic release. Both lens and shutter are fully described on pages 33 and 36.

We recommend Model 43 as a particularly desirable camera at moderate cost, and an instrument capable of producing most excellent results.

Specifications

	$8\frac{3}{4} \times 8\frac{1}{2}$ $6\frac{1}{2}$ " 5 lbs.
--	--

Price

Including one Double Plate Holder and Sole Leather Carrying Case.

Contum Comona Madel 49			31/4 x 41/4	4 x 5	5 x 7
Century Camera, Model 43			\$22.00*	\$25.00	\$33.00
Extra Double Plate Holders,	each		1.00	1.00	1.25

^{*}Not furnished with Revolving Back, but has Reversible Back.



CENTURY CAMERA, MODEL 46

With Revolving Back

N originality of design, perfection of detail, mechanical construction, complete adjustments and ease of manipulation, Model 46 stands pre-eminent. In this camera we introduce the following features: Double section, brass bound Telescopic Bed, Patent Pinion Lock, Swing Back and Bed, operated with Rack and Pinion.



smooth movement for focusing and provides an absolutely rigid support for the lens, even when the bellows is extended to its full capacity. The focusing pinion, when pushed in flush with the bed, securely

locks the second section in any desired position. The extra length of bellows admits of copying and similar work.

Model 46 is fitted with the Centar Lens, Series II, and No. 1 Automatic Shutter, with triplicate movement and separate lever for focusing. The back combination of the Centar Lens, when used alone, forms a most excellent type of long focus single achromatic lens—of great value for photographing distant objects. Lens and shutter are described on pages 33 and 37.

Specifications

Dimensions	6½ x 3¾ x 6¼	87/8 x 4 x 81/2	$10\frac{5}{8} \times 4\frac{3}{4} \times 10\frac{1}{2}$
Length of Bellows	111/2"	17"	21"
Weight	3 lbs.	5 lbs. 4 ozs.	$8\frac{1}{2}$ lbs.

Price

Including one Double Plate Holder and Sole Leather Carrying Case.

Century Camera, Model 46, with Centar Lens Series II and Auto. Shutter	4 x 5 \$32.00	5 x 7 \$40.00	6½ x 8½ \$57.00
With Zeiss Kodak Anastigmat Lens and Compound Shutter	69.55	90.05	119.20
With Zeiss Kodak Anastigmat Lens and Volute Shutter .	70.30	92.30	117.70
With Zeiss Protar Series VIIa Lens and Compound Shutter	109.05	130.55	170.20
With Zeiss Protar Series VIIa Lens and Volute Shutter .	109.80	132.80	168.70
With Zeiss Tessar Series IIb Lens and Compound Shutter .	78.55	111.55	148.20
With Zeiss Tessar Series IIb Lens and Volute Shutter .	79.30	113.80	146.70
With Cooke Lens Series III and Compound Shutter	80.30	106.80	140.20
With Cooke Lens Series III and Volute Shutter	82.80	105.30	138.70
Extra for Graflex Focal Plane Shutter	22.00	24.00	27.00
Extra Double Plate Holders, each	1.00	1.25	1.75

For complete particulars regarding Special Equipments with Anastigmat Lenses, see page 20.

CENTURY GRAND SENIOR

With Revolving Back

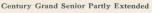
THERE is no camera on the market to-day that occupies as high a position in the opinion of the photographic public, as does the Century Grand Senior. This camera is the result of a well directed effort to concentrate in one instrument all the Century improvements and adjustments, and to produce

a camera that is adaptable to every class of photographic work. While

the Century Grand Senior is the camera of greatest utility, it also possesses an excellence of design and a richness of appearance that appeal at once to the sense of the beautiful. It is an instrument of precis-

ion, finished in perfect harmony with its technical perfection.

The Century Grand Senior, while differing in construction from



the Model 46, contains all the features which have popularized that camera, and in addition has—

Detachable Side Arms, for Dropping Bed,

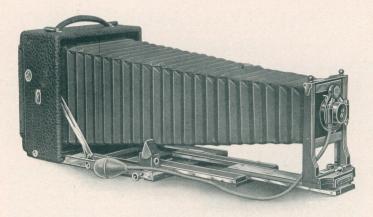
Supplementary Bed for using extreme Wide Angle Lens with Rack and Pinion Movement,

Vertical Central Swing Back,

Horizontal Side Swing for correcting violent perspective lines.

In connection with the Century Swing Bed, the Vertical and Horizontal Swing Backs give the greatest range and adjustment ever attained in a hand camera, and it is worthy of note that the Grand Senior is an uncommon example of a cycle type of camera having Double Swing Back and Swing Bed, free from all complicated parts and so neatly adapted as to add practically nothing to either the bulk or the weight. The telescopic bed is made in three sections, all operated by a single pinion, with the Century pinion lock. The same amount of friction exists whether the front section is fully or only partly extended, and by a peculiar arrangement of the wood and metal parts, the bed resists atmospheric changes to a remarkable degree.

The section carrying lens and shutter moves first by turning the focusing pinion, and when fully extended locks automatically



Century Grand Senior, Fully Extended

into, and at the same time carries forward, the second section by means of a continuous rack. Each of the three sections is bound with metal to prevent any possibility of lost motion, and brass guides on top of the bed serve to insure strength and perfect rigidity. The bed is attached to the camera by a piano hinge extending the full width, adding strength and beauty to the entire equipment. The front has both vertical and horizontal movements, the former being governed by our new self-locking device. It is held securely at any desired point on the bed by our new Automatic Clamp.

The Grand Senior is regularly equipped with Centar Lens, Series II. This is a lens of the symmetrical type, perfectly achromatic, rectilinear and of superior covering power and definition. Either the front or back combination can be used alone for distant views, mountain scenery, etc., and when so used the focus is double that of the compound lens. The lens is fully described on page 33. The No. 1 Automatic Shutter is regularly fitted. See page 37 for description. By means of a supplementary bed, very short focus or wide angle lenses can be used with equal facility. The main bed drops by detaching the side arms, and the supplementary bed, which can be in-

stantly adjusted, supports the front. This bed also has rack and pinion for accurate focusing. The Wide Angle Bed, when adjusted, locks automatically in place, and can not



Supplementary Bed for Wide Angle Lenses

become accidentally detached. The horizontal and vertical swings are available for both regular and wide angle lenses. The Anastigmat Lens and Graflex Focal Plane Shutter would

ple the ge eq

Showing Supplementary Bed Attached for Wide Angle Lens

both of course add greatly to complete the Century Grand Senior, in fact the two should always be considered together in completing any high-class equipment. Various well-known Anas-

tigmats may be fitted. The Graflex Shutter is made to harmonize with the general appearance and finish of the camera and when ordered as part of one of these outfits, a carrying case to hold camera with shutter attached is supplied without extra charge, in place of regular carrying case.

As previously stated, the Century Grand Senior must be seen to fully appreciate its many meritorious and exclusive features. Our claims for superiority—in design, in construction, in adjustments, in

finish, in optical and mechanical excellence—will be fully substantiated by a critical examination.

Specifications

	4 x 5	5 x 7	6½ x 8½
Dimensions	65/8 x 4 x 61/4	87/8 x 41/8 x 81/2	$10\frac{5}{8} \times 4\frac{3}{4} \times 10\frac{1}{2}$
Length of Bellows	17"	231/2"	28"
Weight	3 lbs. 6 ozs.	5 lbs. 12 ozs.	9 lbs.

Price

Including one Double Plate Holder and Handsome Plush-Lined Sole Leather Case

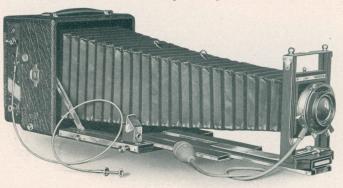
Century Grand Sr., with Centar Lens, Series II and Auto. Shutter	4 x 5 \$53.00	5 x 7 \$63.00	6½ x 8½ \$80.00
With Zeiss Kodak Anastigmat Lens and Compound Shutter	90.55	113.05	142.20
With Zeiss Kodak Anastigmat Lens and Volute Shutter .	91.30	115.30	140.70
With Zeiss Protar Series VIIa Lens and Compound Shutter	130.05	153.55	193.20
With Zeiss Protar Series VIIa Lens and Volute Shutter	130.80	155.80	191.70
With Zeiss Tessar Series IIb Lens and Compound Shutter .	99.55	134.55	171.20
With Zeiss Tessar Series IIb Lens and Volute Shutter .	100.30	136.80	169.70
With Cooke Lens Series III and Compound Shutter	101.30	129.80	163.20
With Cooke Lens Series III and Volute Shutter	103.80	128.30	161.70
Extra for Graflex Focal Plane Shutter	22.00	24.00	27.00
Extra Double Plate Holders, each	1.00	1.25	1.75
For complete particulars regarding Special Favinger	nto fitted	with An	astiamat

For complete particulars regarding Special Equipments fitted with Anastigma Lenses, see page 20.



CENTURY SPECIAL EQUIPMENTS

The Acme of Perfection



Century Grand Senior Special, Zeiss Lens and Graflex Focal Plane Shutter

The Century Models 46 and Grand Senior Specials are the regular cameras as described on pages 14 to 17, fitted with any of the following lenses: Zeiss Kodak Anastigmat, Bausch & Lomb Plastigmat, Zeiss Tessar Series IIb or Ic, Zeiss Convertible Protar VIIa, Cooke Series III and either a No. 1 Automatic, B. & L. Volute, Compound, or Graflex Focal Plane Shutter.

A FEW WORDS ON ANASTIGMAT LENSES The Anastigmat Lens was designed to overcome the defect which exists in the Rectilinear, or the Symmetrical, in that,

in both of these two latter types it is not possible to bring into focus at the same time vertical or horizontal lines lying in the same plane. The optical properties introduced in its manufacture give, among other advantages, extreme speed, minute definition over the entire plate, great covering power, without the use of small stops or diaphragms, brilliant illumination and remarkable depth of focus. The reflected image of an Anastigmat, even with the lens at full opening, possesses a sharpness and noticeable "crispness" that is impossible to produce with the ordinary lens. It is adapted for every conceivable photographic purpose—portraiture, groups, landscapes, animal life, architectural subjects, interiors, copying, enlarging, process work, etc.—in fact, it is the universal lens.

The possession of an Anastigmat Lens broadens the photographer's opportunities. Instantaneous exposures are no longer

confined to brilliant days when conditions of light are just right—but fully-timed pictures may be made in cloudy and dull weather. The advantage of speed applies with equal force to time exposures. For example, if a portrait required an exposure of say four seconds, with an ordinary Symmetrical Lens, an Anastigmat would reduce the time nearly one-half—a very important consideration, especially if the subject happens to be a child.

THE VALUE OF THE ANAS-TIGMAT WITH AND WITHOUT THE FOCAL PLANE SHUTTER The absence of completeness and more than that—the want of thorough effectiveness in a Century Special Camera with-

out the proper kind of a shutter — prompts the recommendation of the Graflex Focal Plane Shutter as a necessary part of these outfits. All the advantages of a high-class equipment, made up of a Century Model 46 or a Century Grand Senior, and a fast Anastigmat Lens, can not be secured without a Focal Plane Shutter. In fact, an outfit of this kind is worthy of the very best shutter that can be provided for it. The Graflex Focal Plane Shutter is fitted with a removable and interchangeable revolving back so that the shutter may be removed from the camera whenever so desired, and the camera used in the ordinary manner, the Century No. 1 Automatic or the Volute Shutter being likewise, when so desired, a part of the outfit.

ON THE FITTING OF
SPECIAL LENSES
AND SHUTTERS

Fitting a shutter to an Anastigmat or other high-grade lens and the proper adjustment of lens and shutter to the camera is a delicate operation. Unless each lens is

accurately centered and so mounted as to maintain absolutely the correct optical distance between front and back combinations, the best results cannot be obtained.

To avoid errors as well as to maintain our present high reputation for perfect goods, we do not list Centurys without lens or shutter, as we can only guarantee the whole equipment to prove satisfactory to the purchaser when the *camera*, *lens and shutter* are supplied by us.

Each Century Special is enclosed in a handsome sole leather carrying case, plush-lined, with lock, key and two snap catches. The case has a compartment for five extra plate holders. When Focal Plane Shutter is ordered as part of the outfit, a case which will hold the camera with shutter attached is supplied in place of regular case, without extra charge.

The prices are quoted on page 20.

ENTURY SPECIAL EQUIPMENTS The combinations listed below are carried in stock and can be promptly furnished. The cost of any other make of lens or shutter will be quoted on request. The following prices include the B. & L. Volute Shutter or Compound Shutter. The Graflex Focal Plane Shutter will be added at prices quoted below.

WITH BAUSCH & LOMB PLASTIGMAT

Long Compound Volute Lens Compound Volute Long Compound

		No.	Shutter	Shutter	No.	Shutter	Shutter	No.	Shutter	Shutter
Petite Grand	31/4 x 51/2	3	\$ 77.55	\$ 78.30	2	\$ 88.80	\$ 91.30	7	\$117.05	\$117.80
Century Model 46 .	4 x 5	3	69.55	70.30	2	80.80	83.30	7	109.05	109.80
Century Model 46 .	5 x 7	5	90.05	92.30	3	98.05	98.80	10	130.55	132.80
Century Model 46 · .	61/2 x 81/2	6	119.20	117.70	5	140.20	138.70	13	170.20	168.70
Century Grand Senior	4 x 5	3	90.55	91.30	2	101.80	104.30	7	130.05	130.80
Century Grand Senior	5 x 7	5	113.05	115.30	3	121.05	121.80	10	153.55	155.80
Century Grand Senior	$6\frac{1}{2} \times 8\frac{1}{2}$	6	142.20	140.70	5	163.20	161.70	13	193.20	191.70
		Wit	H ZEISS TESSAR	SERIES IIb	V	VITH COOKE SEE	RIES III			
Camera	Size	Lens No.	Compound Shutter	Volute Shutter	Lens No.	Compound Shutter	Volute Shutter		To insure pro	
Petite Grand Century Model 46 .	$3\frac{1}{4} \times 5\frac{1}{2}$ 4×5	5 5	\$ 86.55 78.55	\$ 87.30 79.30	4D 4D	\$ 88.30 80.30	\$ 90.80 82.80		ting, we reco	ras be
Century Model 46	5 x 7	6	111.55	113.80	6D	106.80	105.30		bought fr completewit	
Century Model 46 .	$6\frac{1}{2} \times 8\frac{1}{2}$	7	148.20	146.70	6½D	140.20	138.70		listed. We v	

100.30

136.80

169.70

5 x 7

\$24.00

4D

6D

61/2D

101.30

129.80

163.20

\$27.00

61/2 x 81/2

103.80

128.30

161.70

\$31.00

8 x 10

WITH ZEISS KODAK ANASTIGMAT

99.55

134.55

171.20

\$22.00

Zeiss Protar Series V Wide Angle Lens No. 1, 23.00 No. 2, 23.00 No. 3, 29.00 No. 4, 36.00

4 x 5

er fitmend is be m us lenses listed. We will not hold ourselves responsible for results with any of our cameras when lenses are not fitted by us.

WITH ZEISS PROTAR SERIES VIIa

Volute Shutter

CAMERA

Century Grand Senior

Century Grand Senior

Century Grand Senior

Graflex Focal Plane Shutter

EXTRA FOR

SIZE

4 x 5

5 x 7

61/2 x 81/2

5

6

CENTURY STEREOSCOPIC CAMERAS

With Automatic Roller Division

STEREOSCOPIC Photography is a branch of picture making which is daily enlisting more enthusiasts. The making of stereoscopic pictures is most attractive and fascinating. For this class of work a Stereo Compact Camera, and also Models 43 and 46 are offered. The Century Stereo

Compact embodies all requisite adjustments—including rack and pinion, swing back, swing bed, adjustable front, automatic bed clamp, No. 3 Automatic Shutter, and a pair of matched Rapid Rectilinear

Lenses. It is extremely portable, measuring only $2\frac{1}{2} \times 6\frac{1}{2} \times 8\frac{1}{2}$ inches, constructed throughout of mahogany, and covered with fine black

cowhide leather.

As far as outside dimensions, focal capacity and general design are concerned, the Stereoscopic Centurys, Models 43,46 and Century Grand Sr. correspond with the regular models, but in place of one lens for full-size 5×7 pictures, they are fitted with a

matched pair of lenses and the Automatic Stereoscopic Shutter. Models 43 and 46 are fitted with a pair of matched Rapid Symmetrical Lenses. The regular lens and shutter for making full-size 5 x 7 pictures can be added to the outfit at any time, in which manner a most complete photographic equipment is provided.

Price

Including Sole Leather Case and one Double Plate Holder.

Century Stereo Compact			\$35.00
Century Stereo Model 43			48.00
Century Stereo Model 46			60.00
Century Stereo Grand Sr.			83.00
Extra for 5x7 Rapid Symme	etri	cal	
Lens and No. 1 Auto	ma	tic	

Shutter 13.50





CENTURY STEREO SPECIAL

THE Stereo Century Special equipments are designed with the idea of offering the finest Stereoscopic outfit in the world. They are equipped with high-grade Anastigmat Lenses and Graflex Focal Plane Shutter.

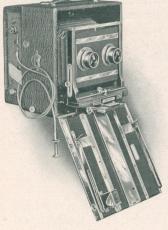
To these cameras may also be added a regular 5 x 7 lens

and shutter of any desired type, so that when so equipped there is provided an outfit which, for range of work, can hardly be equalled.

The Stereo Special, Model 47, possesses great utility, by reason of the drop bed feature, by which it is rendered available for extreme

wide angle stereo work. At the same time it possesses a bellows capacity of 17 inches, which makes it possible to employ lenses of more than ordinary focal length.

With all Special Stereo outfits is supplied a plush-lined carrying case with lock and key, with space at one end for camera, with Focal Plane Shut-



Century Stereo Special, with Zeiss Tessar Lenses

ter attached, and at the other for extra holders.

Every adjustment is fitted with the utmost accuracy and placed in positions that insure ease and rapidity of operation, rendering the Century Stereo Special a particularly valuable instrument for those engaged in the better grade of stereoscopic work.

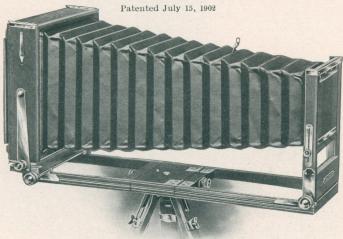
Price

Including Graflex Focal Plane Shutter, Double Plate Holder and Carrying Case.

Including Granex Focal Flame Braces, 2			
Century Stereo 46 fitted with			
Pair No. 2 Zeiss Kodak Anastigmat Lenses .			\$112.20
Pair No. 1 B. & L. Plastigmat Lenses			136.20
Pair No. 4 Zeiss Tessar IIb Lenses			173.20
Pair No. 2 Zeiss Protar VIIa Lenses			
Pair No. 3 Zeiss Protar VIIa Lenses			48.50
Century Grand Sr. Special fitted with			
Pair No. 2 Zeiss Kodak Anastigmat Lenses .			\$135.20
Pair No. 1 B. & L. Plastigmat Lenses			159.20
Pair No. 2 Zeiss Protar Series VIIa Lenses .			196.20
Pair No. 4 Zeiss Tessar Series IIb Lenses			160.20
Extra for Pair No. 1 Series V Zeiss Protar Lenses			48.50

CENTURY VIEW CAMERA NO. 1

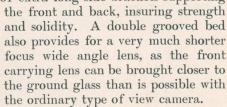
With Double Grooved Bed



To the advanced amateur or professional photographer who requires a camera that combines the highest degree of efficiency with a solidity of construction that will withstand the most strenuous usage, the Century View Camera presents many advantages over all other cameras of this type.

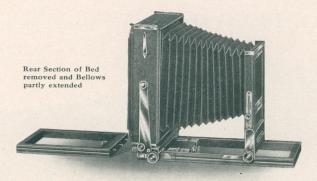
SPECIAL FEATURES AND POINTS OF EXCELLENCE

1. A Double Grooved Bed. The scheme of operating the front and back of the camera in separate grooves on the bed is distinctly a "Century idea," covered by letters patent. This method permits the use of extra long side brackets supporting



2. Perfect rigidity in every part in any position.

3. Extreme length of bellows for copying, enlarging, telephoto, and other work requiring long focus lenses.



4. The focus may be adjusted by moving the front or back

as preferred; both are operated by rack and pinion.

5. Three Section Bed. The second section is hinged and arranged to fold close to the camera, even when lens and shutter are attached. The third section adjusts at the back by means of a large thumb-screw, and two brass dowell pins, avoiding any lost motion. The act of adjusting back section automatically releases body of camera, allowing back to be racked out on rear section.

6. Automatic Stop Lock, to prevent back going beyond edge of bed.

7. Adjustable Sliding Front of great range; rack and pinion movement.

8. Removable cut-out board in camera back for making two

exposures on a plate.

9. Both Horizontal and Vertical Swings operate at the center, with set-screws at either side. Brass Plumb Indicator for adjusting swing back.

10. Reversible Back for horizontal and upright views.

Focal Capacity or Length of Bellows

 $5 \times 7-22$ inches. $6\frac{1}{2} \times 8\frac{1}{2}-26$ inches. $8 \times 10-32$ inches. $11 \times 14-37$ inches.

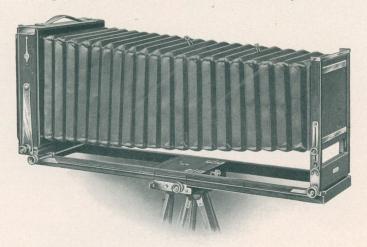
Price

Including one Plate Holder and Canvas Case, with space for Five Holders.

Century View Camera No. 1		\$21.00	$6\frac{1}{2} \times 8\frac{1}{2}$ \$22.00	\$25.00	\$40.00
Graflex Focal Plane Shutter, extra Rapid Symmetrical Lens and No.	4		27.00	31.00 _{ft}	urnished
Shutter, extra	1		15.00	18.00	
Shutter, extra		13.50	18.50	21.50	
Extra Double Plate Holders, each.			1.10	1.25	4.50
Carrying Case, if made to hold tripod,	extr	a .75	.75	.75	

CENTURY VIEW CAMERA NO. 2

T is decidedly inadequate to say that the Century View Camera No. 2 is the most superior View Camera which has ever been offered. This, however, was the one aim in the production of it and we feel satisfied that we have succeeded in accomplishing the desired results. The Century View No. 1



in itself represents an almost unexcelled type of View Camera. In the No. 2 we have incorporated many of the features of the No. 1—and they are all good ones—and these with a number of new and valuable improvements, have given the No. 2 an

acknowledged and deserved prestige.

An exclusive Century idea is the auxiliary base, which is, in reality, a supplementary bed on which the entire camera moves forward or back, so that the weight is evenly distributed and the camera always in perfect balance when on the tripod, no matter whether an extra long focus or a wide angle lens is employed. The advantage of this feature will at once appeal to both the professional and the advanced amateur photographer.

The bellows is almost square, tapering but very little, thus giving an extra large front and lens board which will accommodate large lenses and likewise inside shutters if desired. Both swings, as well as the rising and falling front, are operated

by rack and pinion.

One of the essential factors of Century success has been the close attention to the details of camera construction. Examine



closely the No. 2 View and see whether this has not been borne out. Everything that counts in producing a rigid, accurate and adaptable camera finds place in it.

The Graflex Focal Plane Shutter when fitted to a Century View Camera naturally adds to the efficiency of the outfit, as an equipment is then provided which permits of all kinds of work from time exposures to fast speed work. The Graflex Shutter when ordered for Century View Cameras is

supplied to conform to the camera, being furnished in beautifully polished mahogany, in every way in keeping with the camera.

Focal Capacity or Length of Bellows

 $5 \times 7 - 24$ inches. $6\frac{1}{2} \times 8\frac{1}{2} - 27$ inches. $8 \times 10 - 32$ inches.

Price

Including one Plate Holder and Canvas Case, with space for Five Holders.

Graflex Focal Plane Shutter, extra 24.		
Cranca i ocal i lane phaeter, calla	00 27.00	31.00
Rapid Symmetrical Lens and No. 4 Shutter, extra 10.	00 15.00	18.00
Rapid Symmetrical Lens and No. 1 Shutter, extra 13.	50 18.50	21.50
Extra Double Plate Holders, each 1.	00 1.10	1.25
Carrying Case, if made to hold tripod, extra	75 .75	.75

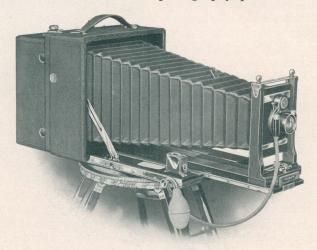




THE CIRKUT PANORAMIC OUTFIT

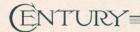


THE introduction of Cirkut Apparatus most assuredly and admittedly marks a new epoch in that most delightful field of all photographic work—the panoramic. The meaning that is gathered from the word panoramic itself, conveys an idea of the kind of photography possible with the



Cirkut—a complete and true picture just as one would see it were one to stand in a central position and view the scene in every direction.

Panoramic photography—true panoramic photography—has been so long in presenting itself, on account of the many and



WHAT PANORAMIC PHOTOGRAPHY IS

great apparent difficulties in constructing apparatus that would do the work properly. An instrument that will expose a

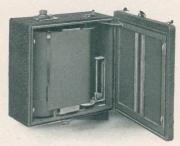
sensitized surface many feet in length, avoiding the violent distortion invariably in evidence in the ordinary type of panoramic camera, is truly a Panoramic Camera, and the only one justly entitled to that distinction. That is the Cirkut. Its plan of construction does not contemplate the use of the short focus It offers great latitude in the focal length of lenses. With the Cirkut, distortion is practically eliminated and the long-looked-for real Panoramic Camera is an accomplished fact.

THE NEW CIRKUT OUTFIT The wonderful success of the original No. 10 and No. 16 Cirkut Cameras has led to the introduction of the smaller No. 6 and No. 8

Outfits, the former adapted for film $6\frac{1}{2}$ inches wide, the latter for 8-inch widths.

The Cirkut Panoramic Outfit is in itself a most complete affair, being made up of a camera which can be used in the

ordinary manner for plates if desired, and a Panoramic Attachment which is easily and quickly attached to the camera, thus converting it into a Panoramic Outfit. The attachment in itself is much like an ordinary Cartridge Roll Holder, in that it is made to use Eastman Daylight-loading Cartridge Film. In addition it contains the mechanism which, when the



Cirkut Attachment

outfit is in operation, unwinds the film past a slot on a roller and in so doing exposes it and at the same time revolves the camera about on an axis - a special tripod and top being furnished.

A pressure on the release is all that is necessary to start the motor — another pressure stops it; thus negatives of any desired length up to 6 feet with the No. 6, and 8 feet with the No. 8 may be made. A complete circle of 360° may thus be photographed if desired.

There is an indicator on the top of the film holder showing the exact quantity of film exposed and that remaining unexposed. By another very ingenious arrangement one is enabled to determine, before exposure is made, how long a photograph

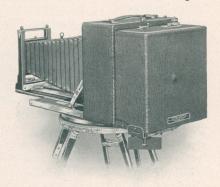
the view decided on will be.



ADAPTABILITY OF THE CIRKUT

There is one very important fact relating to Cirkut Outfits that must not be overlooked and that is their general adapta-

bility. They are not alone Panoramic Outfits. They are more. With them one is not limited as to size of the photograph to be made. The picture is made to conform with the ideas of the photographer. How frequently it happens that the composition of a beautiful landscape is marred because with a 5 x 7 camera it must conform to the inartistic limitations of the size of the plate. Not so with the Cir-



Attachment Fitted to 5 x 7 Camera

kut. Would you have your photograph $6\frac{1}{2} \times 8\frac{1}{2}$, make it so; would your picture be better were it $6\frac{1}{2} \times 10$ or $6\frac{1}{2} \times 12$ —all really artistic dimensions—make it so. All this can be done without the least difficulty. The camera is loaded with a roll of film 3 feet or 6 feet long, as may be desired, and a succession of exposures, one after the other, of whatever length the operator may determine, is made by merely starting and stopping the motor until the roll of film has all been exposed. Then additional rolls may be loaded in broad daylight.

With the No. 6 Outfit, photographs $6\frac{1}{2}$ inches wide and any length up to 6 feet may be made, and with the No. 8 Outfit, 8 inches wide and any length up to 8 feet, all on Eastman Daylight-loading Film. Compare this operation with that of the operator who goes out with the conventional $6\frac{1}{2} \times 8\frac{1}{2}$ or 8 x 10 View Camera and the necessary quota of glass plates and other paraphernalia, and then the results are only the con-

ventional $6\frac{1}{2}$ x $8\frac{1}{2}$ or 8 x 10 photographs.

WHAT CAN BE DONE
WITH THE CIRKUT

The variety of subjects for panoramic pictures is almost unlimited. Scenery of all kinds, mountains, lakes, valleys,

extensive manufacturing plants, college and university grounds, residences, private estates, groups, games, athletic sports, etc., may be made with the Cirkut.

Just consider the possibilities of a camera that will make, with one exposure, a negative any length desired up to six or eight feet. Unlimited in angle of view and equally sharp from



end to end—this, in brief, describes the Cirkut Outfit. It is a most desirable and valuable addition to any equipment and in point of fact for successful panoramic work it is practically indispensable.

Eastman Daylight-loading Film only is supplied for all Cirkut Apparatus.

AN EQUIPMENT INCOMPARABLY COMPLETE In addition to the Panoramic Outfit, either Cirkut No. 6 or No. 8 provides an equipment which permits of its use as a regular hand camera for plates when so desired, and while

the camera is adapted for panoramic work, by removing the film attachment, a revolving ground glass back is provided, which may be easily fitted, thus converting the outfit into a Revolving Back Plate Camera. With the No. 6 the camera is a 5×7 ; the No. 8 is $6\frac{1}{2} \times 8\frac{1}{2}$.

The camera has a double-section brass-bound telescopic bed, swing back and bed, rack and pinion movements, extra bellows length, and is in every way up to the Century Standard.

The lens regularly supplied is the Centar Series II, with Century No. 1 Automatic Shutter.

A double plate holder, a Crown Tripod (the best tripod made) complete the outfit. There is nothing in the entire field of photographic apparatus which for completeness is in any way comparable with the Cirkut Panoramic Outfit. A carrying case which will hold the complete outfit is furnished. Cirkut Outfits will be sold complete only.

Specifications

	No. 6	No. 8
Width of Photograph	61/2"	8"
Dimensions of Camera		$10\frac{5}{8} \times 4\frac{3}{4} \times 10\frac{1}{2}$
Weight of Camera	53/8 lbs.	8½ lbs.
Dimensions of Camera with Attachment	87/8 x 8 x 81/2	105/8 x 81/4 x 101/2
Weight " " " "	9 lbs.	14 lbs.
Length of Bellows	17"	21"

Price

Cirkut Panoramic Outfit, including Century Camer	a, Series Il	I Centar
Lens, No. 1 Automatic Shutter and Panoramic	c Attachme	ent; also
removable, Revolving Back and Double Plate I	Holder for	Camera,
Tripod and Carrying Case to hold com-	No. 6	No. 8
plete equipment	\$112.50	\$175.00
With B. & LZeiss Protar VIIa No. 9	196.00 N	o. 12 283.00
$6\frac{1}{2}'' \times 3'$ Film, Roll	.80	
6½" x 6' " "	1.60	
8" x 4' " "		1.30
8" x 8' "		2.60

GRAFLEX PHOTOGRAPHY

ONCISELY described, the Graflex is the camera of unequalled effectiveness. Its effectiveness is evidenced in its adaptability for almost every purpose to which a hand camera may be applied. Its unequalled effectiveness lies in the fact that the Graflex will do all that any hand camera will do, and more. An entirely original type of construction with exclusive ideas, the Graflex possesses, not alone, most superior advantages for high-speed work, but employs these same features so as to make it an exceedingly convenient and an unusually available instrument for every day hand camera work. It is in fact the universal camera. There is a sense of certainty with the Graflex that enhances greatly the pleasure of doing photographic work. The subject is carefully composed on the focusing screen, right-side up, and the picture is taken just as the operator wants it and just when he wants it.

The advantage of accurate focusing is so thoroughly appreciated by every photographic worker that a discussion of it is quite unnecessary, but the inverted image on the focusing screen with the bothersome focusing cloth, together with the time which is necessarily lost between the focusing of the camera and the making of the exposure, minimizes greatly the value of this feature. Anyone



Graflex Negative

who has ever photographed will readily appreciate the value of a focusing screen on which the object may be seen full size of plate, right-side up, particularly when there are no loose parts or awkward operations required. Add to this the advantage of making the exposure at the very instant the object is seen on the screen, and that this exposure can be varied from the highest to the lowest speeds, and we have a feature indispensable for speed work, and obviously of great value for nearly all kinds of photography. It is this, together with its famed Focal Plane Shutter, which has made the Graflex, the camera admired by photographic enthusiasts everywhere — the universal camera for speed and time work. It is indispensable for the one and invaluable for the other. Graflex Cameras are fully described in a special Graflex catalog, mailed free upon request.





Prices

1-A GRAFLEX	2½ x 4¼
Without Lens	. \$ 60.00
Without Lens With Zeiss Kodak Lens, F. 6.3, No. 2 With B. & LZeiss Tessar Series IIb, F. 6.3, No. 4 With B. & LZeiss Tessar Series Ic, F. 4.5, No. 14 With Cooke Series IV F. 5.6, No. 25	. 82.00
With B. & L. Zeiss Tessar Series IIb, F. 6.3, No. 4	. 94.50
With B. & LZeiss Tessar Series Ic, F. 4.5, No. 14	. 100.50
With Cooke Series IV, F. 5.6, No. 25	. 98.00
3-A GRAFLEX	3½ x 5½
Without Lens	. \$ 75.00
Without Lens With Zeiss Kodak Lens, F. 6.3, No. 4 With B. & LZeiss Tessar Series IIb, F. 6.3, No. 5a With B. & LZeiss Tessar Series Ic, F. 4.5, No. 15a With Cooke Series IV, F. 5.6, No. 27	. 105.50
With B. & LZeiss Tessar Series IIb, F. 6.3, No. 5a	. 125.50
With B. & L. Zeiss Tessar Series Ic, F. 4.5, No. 15a	. 132.50
WITH Cooke Series IV, F. 5.6, No. 27	. 129.00
AUTO GRAFLEX	
$3\frac{1}{4} \times 4\frac{1}{4}$ 4 x 5	5 x 7
Without Lens \$ 60.00 \$ 75.00	\$ 90.000
With Zeiss Kodak Lens, F. 6.3 . No. 2 82.00 No. 3 102.00	
With B. & LZeiss Tessar Series 11b, F. 6.3 No. 4 94.50 No. 5 111.00	No. 6 151.50 No. 16 162.00
With B. & LZeiss Tessar Series Ic, F. 4.5 No. 14 100.50 No. 15 122.00 With Cooke Series IV, F. 5.6 . No. 25 98.00 No. 26 118.00	No. 16 162.00 No. 27 144.00
WITH COOKE Series IV, F. 5.6 No. 25 98.00 No. 20 118.00	10.21 144.00
REVOLVING BACK L. F. AUTO GRAFLE	V
REVOLVING BACK L. F. ACTO GRAFLI	
8½ x 4½ Without Lens \$110.00	
Without Lens 3½ x 4½ With Zeiss Kodak Lens, F. 6.3 No. 5 150.00 With B. & LZeiss Tessar Series IIb, F. 6.3 No. 5a 160.50 With B. & LZeiss Protar Series VIIa, F. 6.3 No. 10 190.50 With Cooke Series IV, F. 5.6 No. 27 164.00 PRESS GRAFLEX	4 x 5 \$125.00 No. 6 179.00 No. 7 208.00 No. 13 230.00 No. 27½ 205.00
Without Lens 3½ x 4½ With Zeiss Kodak Lens, F. 6.3 No. 5 150.00 With B. & LZeiss Tessar Series IIb, F. 6.3 No. 5a 160.50 With B. & LZeiss Protar Series VIIa, F. 6.3 No. 10 190.50 With Cooke Series IV, F. 5.6 No. 27 164.00 PRESS GRAFLEX	4 x 5 \$125.00 No. 6 179.00 No. 7 208.00 No. 13 230.00 No. 27½ 205.00
Without Lens 3½ x 4½ With Zeiss Kodak Lens, F. 6.3 No. 5 150.00 With B. & LZeiss Tessar Series IIb, F. 6.3 No. 5a 160.50 With B. & LZeiss Protar Series VIIa, F. 6.3 No. 10 190.50 With Cooke Series IV, F. 5.6 No. 27 164.00 PRESS GRAFLEX	4 x 5 \$125.00 No. 6 179.00 No. 7 208.00 No. 13 230.00 No. 27½ 205.00
Without Lens \$\ \text{314 x 4\sqrt{4}}\$ \\ \text{With Zeiss Kodak Lens, F. 6.3} \$\ \text{No. 5 150.00}\$ \\ \text{With B, & LZeiss Protar Series IIb, F. 6.3} \$\ \text{No. 5 160.50}\$ \\ \text{With B, & LZeiss Protar Series VIIa, F. 6.3} \$\ \text{No. 10 190.50}\$ \\ \text{With Cooke Series IV, F. 5.6} \$\ \text{PRESS GRAFLEX}\$ \\ \text{Without Lens} \$\ \text{With Zeiss Kodak Lens, F. 6.3, No. 5} \$\ \text{With B, & LZeiss Tessar Series Ib, F. 6.3, No. 6} \$\ \text{With B, & LZeiss Tessar Series Ic, F. 4.5, No. 16} \$\ \text{Victor 1.5}\$ \\ \tex	$\begin{array}{c} 4 \times 5 \\ \$125.00 \\ \text{No. 6} & 179.00 \\ \text{No. 7} & 208.00 \\ \text{No. 13} & 230.00 \\ \text{No. 27$^{\frac{1}{2}}$} & 205.00 \\ \hline & 5 \times 7 \\ \cdot & \$110.00 \\ \cdot & 150.00 \\ \cdot & 171.50 \\ \cdot & 188.00 \\ \end{array}$
Without Lens 3½ x 4½ With Zeiss Kodak Lens, F. 6.3 No. 5 150.00 With B. & LZeiss Tessar Series IIb, F. 6.3 No. 5a 160.50 With B. & LZeiss Protar Series VIIa, F. 6.3 No. 10 190.50 With Cooke Series IV, F. 5.6 No. 27 164.00 PRESS GRAFLEX	4 x 5 \$125.00 No. 6 179.00 No. 7 208.00 No. 13 230.00 No. 27½ 205.00
Without Lens \$\ \text{314 x 4\sqrt{4}}\$ \\ \text{With Zeiss Kodak Lens, F. 6.3} \$\ \text{No. 5 150.00}\$ \\ \text{With B, & LZeiss Protar Series IIb, F. 6.3} \$\ \text{No. 5 160.50}\$ \\ \text{With B, & LZeiss Protar Series VIIa, F. 6.3} \$\ \text{No. 10 190.50}\$ \\ \text{With Cooke Series IV, F. 5.6} \$\ \text{PRESS GRAFLEX}\$ \\ \text{Without Lens} \$\ \text{With Zeiss Kodak Lens, F. 6.3, No. 5} \$\ \text{With B, & LZeiss Tessar Series Ib, F. 6.3, No. 6} \$\ \text{With B, & LZeiss Tessar Series Ic, F. 4.5, No. 16} \$\ \text{Victor 1.5}\$ \\ \tex	$\begin{array}{c} 4 \times 5 \\ \$125.00 \\ \text{No. 6} & 179.00 \\ \text{No. 7} & 208.00 \\ \text{No. 13} & 230.00 \\ \text{No. 27$^{\frac{1}{2}}$} & 205.00 \\ \hline & 5 \times 7 \\ \cdot & \$110.00 \\ \cdot & 150.00 \\ \cdot & 171.50 \\ \cdot & 188.00 \\ \end{array}$
Without Lens \$\ \text{314 x 4\sqrt{4}} \\ \text{with Zeiss Kodak Lens, F. 6.3} \\ \text{No. 5 150.00} \\ \text{with B. & LZeiss Tessar Series IIb, F. 6.3} \\ \text{No. 5 160.50} \\ \text{with B. & LZeiss Protar Series VIIa, F. 6.3} \\ \text{No. 10 190.50} \\ \text{with Cooke Series IV, F. 5.6} \\ \text{No. 10 190.50} \\ \text{No. 27 164.00} \\ \text{PRESS GRAFLEX} \\ \text{Without Lens} \\ \text{with Zeiss Kodak Lens, F. 6.3, No. 5} \\ \text{with B. & LZeiss Tessar Series IIb, F. 6.3, No. 6} \\ \text{with B. & LZeiss Tessar Series IIb, F. 6.3, No. 16} \\ \text{with Cooke Series II, F. 4.5, No. 22} \\ \text{STEREO AUTO GRAFLEX} \\ \end{array}	$\begin{array}{c} 4 \times 5 \\ \$125.00 \\ \text{No. 6} & \$125.00 \\ \text{No. 16} & \$179.00 \\ \text{No. 17} & 208.00 \\ \text{No. 18} & 230.00 \\ \text{No. 27} & 205.00 \\ \hline \\ 5 \times 7 \\ & \$110.00 \\ & 150.00 \\ & 171.50 \\ & 182.00 \\ & 167.50 \\ \end{array}$
Without Lens With Zeiss Kodak Lens, F. 6.3 With B. & LZeiss Tessar Series IIb, F. 6.3 With B. & LZeiss Tessar Series VIIa, F. 6.3 With B. & LZeiss Protar Series VIIa, F. 6.3 With Cooke Series IV, F. 5.6 PRESS GRAFLEX Without Lens With Zeiss Kodak Lens, F. 6.3, No. 5 With B. & LZeiss Tessar Series IIb, F. 6.3, No. 6 With B. & LZeiss Tessar Series IIb, F. 6.3, No. 16 With Cooke Series II, F. 4.5, No. 22 STEREO AUTO GRAFLEX Without Lenses With Matched Pair Zeiss Kodak Lenses, F. 6.3, No. 3	$\begin{array}{c} 4 \times 5 \\ \$125.00 \\ \text{No. 6} & \$125.00 \\ \text{No. 16} & \$179.00 \\ \text{No. 17} & 208.00 \\ \text{No. 18} & 230.00 \\ \text{No. 27} & 205.00 \\ \hline \\ 5 \times 7 \\ & \$110.00 \\ & 150.00 \\ & 171.50 \\ & 182.00 \\ & 167.50 \\ \end{array}$
Without Lens \$\ \text{314 x 4\sqrt{4}} \\ \text{with Zeiss Kodak Lens, F. 6.3} \\ \text{No. 5 150.00} \\ \text{with B. & LZeiss Tessar Series IIb, F. 6.3} \\ \text{No. 5 160.50} \\ \text{with B. & LZeiss Protar Series VIIa, F. 6.3} \\ \text{No. 10 190.50} \\ \text{with Cooke Series IV, F. 5.6} \\ \text{No. 10 190.50} \\ \text{No. 27 164.00} \\ \text{PRESS GRAFLEX} \\ \text{Without Lens} \\ \text{with Zeiss Kodak Lens, F. 6.3, No. 5} \\ \text{with B. & LZeiss Tessar Series IIb, F. 6.3, No. 6} \\ \text{with B. & LZeiss Tessar Series IIb, F. 6.3, No. 16} \\ \text{with Cooke Series II, F. 4.5, No. 22} \\ \text{STEREO AUTO GRAFLEX} \\ \end{array}	$\begin{array}{c} 4 \times 5 \\ \$125.00 \\ \text{No. 6} & \$125.00 \\ \text{No. 16} & \$179.00 \\ \text{No. 17} & 208.00 \\ \text{No. 18} & 230.00 \\ \text{No. 27} & 205.00 \\ \hline \\ 5 \times 7 \\ & \$110.00 \\ & 150.00 \\ & 171.50 \\ & 182.00 \\ & 167.50 \\ \end{array}$
Without Lens With Zeiss Kodak Lens, F. 6.3 With B. & LZeiss Tessar Series IIb, F. 6.3 With B. & LZeiss Tessar Series VIIa, F. 6.3 With B. & LZeiss Protar Series VIIa, F. 6.3 With Cooke Series IV, F. 5.6 PRESS GRAFLEX Without Lens With Zeiss Kodak Lens, F. 6.3, No. 5 With B. & LZeiss Tessar Series IIb, F. 6.3, No. 6 With B. & LZeiss Tessar Series IIb, F. 6.3, No. 16 With Cooke Series II, F. 4.5, No. 22 STEREO AUTO GRAFLEX Without Lenses With Matched Pair Zeiss Kodak Lenses, F. 6.3, No. 3	$\begin{array}{c} 4 \times 5 \\ \$125.00 \\ \text{No. 6} & \$125.00 \\ \text{No. 16} & \$179.00 \\ \text{No. 17} & 208.00 \\ \text{No. 18} & 230.00 \\ \text{No. 27} & 205.00 \\ \hline \\ 5 \times 7 \\ & \$110.00 \\ & 150.00 \\ & 171.50 \\ & 182.00 \\ & 167.50 \\ \end{array}$
Without Lens With Zeiss Kodak Lens, F. 6.3 With B, & L. Zeiss Tessar Series IIb, F. 6.3 With B, & L. Zeiss Protar Series VIIa, F. 6.3 No. 5a 160.50 With B, & L. Zeiss Protar Series VIIa, F. 6.3 No. 10 190.50 With Cooke Series IV, F. 5.6 PRESS GRAFLEX Without Lens With Zeiss Kodak Lens, F. 6.3, No. 5 With B, & L. Zeiss Tessar Series IIb, F. 6.3, No. 6 With B, & L. Zeiss Tessar Series Ic, F. 4.5, No. 16 With Cooke Series II, F. 4.5, No. 22 STEREO AUTO GRAFLEX Without Lenses With Matched Pair Zeiss Kodak Lenses, F. 6.3, No. 3 With Matched Pair B, & L. Zeiss Tessar Series IIb, F. 6.3, No. 5 NATURALISTS' GRAFLEX	4 x 5 \$125.00 No. 6 179.00 No. 7 208.00 No. 13 230.00 No. 27½ 205.00 5 x 7 . \$110.00 . 150.00 . 171.50 . 182.00 . 167.50 5 x 7 . \$200.00 . 254.00 . 272.00
Without Lens With Zeiss Kodak Lens, F. 6.3 With Zeiss Kodak Lens, F. 6.3 With B. & LZeiss Tessar Series IIb, F. 6.3 With B. & LZeiss Protar Series VIIa, F. 6.3 With B. & LZeiss Protar Series VIIa, F. 6.3 With Cooke Series IV, F. 5.6 PRESS GRAFLEX Without Lens With Zeiss Kodak Lens, F. 6.3, No. 5 With B. & LZeiss Tessar Series IIb, F. 6.3, No. 6 With B. & LZeiss Tessar Series Ic, F. 4.5, No. 16 With Cooke Series II, F. 4.5, No. 22 STEREO AUTO GRAFLEX Without Lenses With Matched Pair Zeiss Kodak Lenses, F. 6.3, No. 3 With Matched Pair B. & LZeiss Tessar Series IIb, F. 6.3, No. 5	$\begin{array}{c} 4 \times 5 \\ \$125.00 \\ \text{No. 6} & \$125.00 \\ \text{No. 7} & \$129.00 \\ \text{No. 7} & $208.00 \\ \text{No. 13} & $230.00 \\ \text{No. 27}_2 & $205.00 \\ \hline & 5 \times 7 \\ \cdot & \$110.00 \\ \cdot & 150.00 \\ \cdot & 171.50 \\ \cdot & 182.00 \\ \cdot & 167.50 \\ \hline & 5 \times 7 \\ \cdot & \$200.00 \\ \cdot & 254.00 \\ \cdot & 272.00 \\ \end{array}$

CENTURY LENSES

CENTURY Lenses are made in the largest and best equipped optical factory in the country, that of Bausch & Lomb Optical Company. Every process, from the selection of the raw material through the successive steps of grinding, polishing, cementing and mounting, is accurately controlled. Every lens that does not reach the proper standard of quality to which all Century Lenses must conform, is rejected.

The Century Rapid Rectilinear Lenses are composed of two achromatic combinations of equal focus. They are sufficiently rapid for general amateur work, and possess good covering

power and definition.

The Rapid Symmetrical is a higher type of lens than the Rectilinear, and possesses qualities not found in the ordinary double combination lenses of the Rectilinear form. It is made of superior glass and ground upon curves that insure increased covering power, ample speed for instantaneous exposures and a flat field.

The Centar Series II is a Symmetrical type of lens perfectly achromatic, Rectilinear, and of superior covering power and definition. It is admirably adapted for portraits, groups,

architectural subjects, landscapes, copying, etc.

The front and back combinations may be used alone as long focus objectives. In this form they are particularly well adapted for distant views, mountain scenery and all remote subjects, where extreme speed is not essential. The focal length of either front or back lens, when used alone, is double that of the complete lens, and the size of the image is, therefore, about twice that given by the complete lens.

WIDE ANGLE LENSES

A Century Wide Angle Lens is a valuable addition to any outfit. It includes from twenty-five to thirty degrees wider field than the Rapid Rectilinear, Rapid Symmetrical, or Centar Lenses and is particularly valuable for confined situations—interiors and certain architectural subjects. Being much shorter in focus, it permits placing the camera closer to the object.

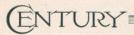
Century Wide Angle Lenses fit the same shutter and interchange with the regular Rectilinear, Rapid Symmetrical and

Centar Lenses.

Price

4 x 5, \$5.00

 5×7 , \$7.50 $6\frac{1}{2} \times 8\frac{1}{2}$, \$12.00



ANASTIGMAT LENSES

THE Rectilinear or Symmetrical Lenses with which hand cameras are ordinarily equipped possess one inherent defect impossible to overcome. This defect is astigmatism, which may be defined as the inability to focus at the same time vertical and horizontal lines lying in the same plane.

The Anastigmat Lens with its superior correction has several advantages over the Rectilinear Lens. It has greater speed because it may be used with full opening, and the resulting image will be brilliant and sharp all over. The sharpness is not confined to one spot, as is the case with the Rectilinear Lens when used with full opening. It has greater covering power, that is, area in which the image is sharply defined, and a flatter field permitting the formation of flat images, not curved. Its greater speed and covering power enable it to be used, therefore, advantageously under conditions where the ordinary lens is valueless.

The Graflex Focal Plane Shutter will enable the operator to work the Anastigmat Lens to its utmost capacity.

ZEISS KODAK ANASTIGMAT

The Zeiss Kodak Anastigmat is a lens possessing the utmost accuracy of definition and covering power, and at the same time working at a speed sufficient for ultra rapid photography and Focal Plane Shutter work. This lens is particularly well adapted to all kinds of hand and view camera work.

		Equivalent	Diameter		Price		
No.	Size	Focus, Inches	of Lens, Inches	Lens in Barrel	Lens in Volute Shutter	Lens in Compound Shutter	
2	31/4 x 41/4	5	$\frac{15}{16}$	\$22.00	\$39.00	\$34.00	
3	$\left\{ \begin{array}{c} 3\frac{1}{4} \times 5\frac{1}{2} \\ 4 \times 5 \end{array} \right\}$	61/8	$1\frac{1}{16}$	27.00	44.00	43.25	
4	$\left\{ \begin{array}{c} 3\frac{1}{4} \times 5\frac{1}{2} \\ 4 \times 5 \end{array} \right\}$	67/8	$1\frac{3}{32}$	30.50	47.50	45.00	
5	5 x 7	81/4	$1\frac{7}{16}$	40.00	58.50	56.25	
6	6½ x 8½	10	$\begin{array}{c c} 1_{\overline{1}\overline{6}} \\ 13/4 \end{array}$	54.00	72.50	74.00	

BAUSCH & LOMB-ZEISS NEW TESSAR f-4.5

		Equivalent	Diameter	P	rice
No.	Size	Focus, Inches	of Lens, Inches	Lens and Bar- rel with Iris Diaphragm	Fitted with Aluminum Volute Shutter
15 15a 17 18	4×5 5×7 $6\frac{1}{2} \times 8\frac{1}{2}$ 8×10	$\begin{array}{c} 6 \\ 7\frac{1}{16} \\ 9\frac{7}{8} \\ 11\frac{7}{8} \end{array}$	$1\frac{5}{16}$ $1\frac{9}{16}$ $2\frac{1}{4}$ $2\frac{5}{8}$	\$ 47.00 57.50 115.50 162.00	\$ 65.50 76.00 135.50



BAUSCH & LOMB-ZEISS CONVERTIBLE PROTAR f-6.3 SERIES VIIa

Are composed of two single, perfectly corrected Anastigmats, which may be used singly or in combination. When the single elements have different foci, the lens is convertible into three lenses of different foci, having a speed of f-7 or f-7.7, which is almost twice that of the ordinary camera lens. When elements have similar foci the speed is f-6.3.

No.	Size in Inches of Plate		Combinations of Single Protars, Focus Combined Equivalent Speed		Speed	Price Lens Only	
140.	Covered with Full Aperture	Front Lens	Back Lens	Focus, Inches		Lens Only	
1	31/4 x 31/4	$7\frac{3}{16}$	7 3	41/8	f-6.3	\$ 48.50	
2	31/4 x 41/4	83/4	$7\frac{3}{16}$	41/2	f-7	52.50	
3	4 x 5	$11\frac{3}{16}$	7 3 6	5	f-7.7	57.50	
4	4 x 5	83/4	83/4	$5\frac{1}{16}$	f-6.3	56.00	
5	41/4 x 61/2	$11\frac{3}{1.6}$	83/4	55/8	f-7	61.50	
6	41/4 x 61/2	133/4	83/4	61/8	f-7.7	68.50	
7	4½ x 7¼	$11\frac{3}{1.6}$	$11\frac{3}{16}$	63/8	f-6.3	66.50	
8	5 x 7	133/4	$11\frac{3}{1.6}$	7	f-7	73.50	
9	5 x 8	161/8	$11\frac{3}{16}$	71/2	f-7.7	86.00	
10	5 x 8	133/4	133/4	77/8	f-6.3	80.50	
11	6½ x 8½	161/8	133/4	81/2	f-7	93.00	
12	6½ x 8½	187/8	133/4	91/8	f-7.7	114.50	
13	6½ x 8½	161/8	161/8	91/4	f-6.3	105.00	

BAUSCH & LOMB-ZEISS TESSAR f-6.3 SERIES IIb

The Tessar is light and compact and particularly adapted for hand cameras. It is twice as fast as the ordinary camera lens and gives sharp definition, illumination of unusual uniformity, and great covering power.

	di a pi	F	Diameter	1	Price
No.	Size of Plate Covered with Stop f-6.3, Inches	Equivalent Focus, Inches	of Lens, Inches	Lens Only	Fitted with Aluminum Volute Shutter
4.	31/4 x 41/4	53/8	15	\$ 34.50	\$ 51.50
5	4 x 5	61/8	$1\frac{1}{16}$	36.00	53.00
5a	5 x 7	7 1 6	11/4	50.50	69.00
6	5 x 8	81/4	$1\frac{7}{16}$	61.50	80.00
7	6½ x 8½	10	13/4	83.00	101.50
8	8 x 10	12	21/8	122.50	142.50

COOKE SERIES III f-6.5

No.	Equivalent Focus, Inches	With Full Apertures to Cover Plates	With Iris Diaphragm and Standard Flange
1	3	21/4 x 21/4	\$27.50
2	41/4	3½ x 3½	32.00
3	5	$3\frac{1}{4} \times 4\frac{1}{4}$	35.00
4	67/8	4 x 5	39.50
5	71/3	5 x 7	48.50
6	81/4	5 x 8	53.00
7	11	7 x 9	91.00

CENTURY SHUTTERS

ENTURY Shutters are made especially for Century Cameras, and are exclusive in design. They are beautifully finished, the bodies being a rich black with nickel fittings. It is a fact worthy of consideration, that all screws, levers, cases and other working parts are measured, gauged and tested.



No. 1 Century Automatic Shutter

The pneumatic retarding pistons, upon which the accuracy of the various automatic exposures depends, are ground and fitted with the utmost care and accurately tested to a uniform standard. Each minute detail receives individual attention. all wearing parts being specially ground and fitted to insure the greatest ease of operation. The actuating springs are made of the finest tempered steel wire, coiled in a manner that secures the utmost elasticity and uniformity. In fact, every detail of this important part of a photographic outfit is given particular and careful attention.

The Focusing Lever applied to all regular Century Shutters throws back the shutter leaves to permit focusing on the ground glass screen. With other iris diaphragm shutters it is necessary to set the dial for "time" exposures—then press the bulb or trigger to open the lens. All setting and pressing is dispensed

with in the Century Shutters, as it matters not how the indicator stands, when you wish to focus, simply adjust the focusing lever at the side. The shutter leaves will part—giving full aperture of the lens.

All Century Shutters have triplicate movement—operating for instantaneous, time and bulb exposures. The various speeds in fractional parts of seconds are governed by an indicator and dial at the top (excepting the No. 3 Automatic), while the iris diaphragms are regulated by a lever at the bottom of



No. 3 Century Automatic Shutter

the shutter. The various apertures are marked on a scale in accordance with the U.S. system. The first cut on page 36 shows our new No. 1 Automatic

Double Valve Shutter.

The mechanism is so arranged that after an exposure is completed the shutter automatically sets itself for the next picture. There can never be a question as to "whether the shutter is set," as it is ready at all times, being released and set simultaneously by either the finger or the bulb.

The shutter blades are manufactured of a special material not affected by variation in temperature, and are shaped so as to give the most even

illumination.



No. 4 Century Regular Double Valve Shutter

The No. 3 Automatic Shutter, shown at the bottom of the preceding page, is the neatest and best moderate-priced shutter on the market. It gives three different exposures, viz., time, bulb and instantaneous. By moving an indicator at the top,

the speed is quickly adjusted.

The No. 4 Regular Double Valve Shutter is one of the best types for general use yet devised. The ease of adjustment, perfect working of all parts, compactness and attractive design are noticeable features. The shutter is set by a lever at the top. Back of the shutter blades, which are shaped to give as even an illumination as possible, there is an iris diaphragm, operated by an index lever at the bottom.

On a dial at the top, the various degrees of speed are indicated in fractional parts of seconds, and exposures of different lengths are secured by simply turning a milled head to the right or left. The speeds are controlled by a patent pneumatic device.





GRAFLEX FOCAL PLANE SHUTTER

Patent Allowed

 $\frac{THE\ SCOPE\ OF\ A}{GRAFLEX\ SHUTTER}$

For ultra rapid photography, the Graflex Shutter presents numerous advantages over those working in front of, between or

behind the lens. To secure successful negatives of rapidly moving objects, such as horse and automobile races, railroad trains,



foot-ball games, base-ball contests, etc., there is no style of shutter that can equal the Graflex. And while constructed primarily for high-speed work, it is also adapted for slow automatic exposures and time exposures of any duration.

Its position immediately in front of the sensitive plate or film insures the distribution of light with equal intensity upon every portion of the sensitized surface. In addition, the principle upon which it is constructed not only gives the maximum in speed, but at the same time

the plate receives a greater volume of light in a given time than with any other type of shutter.

 $\frac{THE}{ADVANTAGES}$

In comparing the Focal Plane Shutter with the between-lens type of shutter, which is most commonly in use, particular stress should be

laid upon the fact that with the Focal Plane Shutter there is absolutely no diminishing of the volume of light passing through the lens; in other words, the full efficiency of the aperture used is maintained during exposure.

With the between-lens type of shutter there is only a fraction of the exposure given with the working aperture of the lens, varying from that down to the pin-hole. It therefore follows that with the between-type of shutter high-speed exposures would be ineffective, owing to the method of lighting.

OPERATION AND CONSTRUCTION

By simply turning a small key the speed can be varied from "time" to $\frac{1}{1000}$ part of a second. The maximum speed of an ordinary

shutter placed at the diaphragm of a lens does not exceed $\frac{1}{100}$ of a second and many shutters of this class do not give shorter exposures than $\frac{1}{50}$ of a second.



The Graflex Shutter is instantly set for any exposure by a half-turn of the winding key. Dials on the outside indicate both the size of curtain aperture and the tension of roller spring controlling the speed.



The Curtain of the Graflex Shutter is made on an entirely new principle - in one long piece, with apertures ranging from full opening to 1/8 of an inch. This insures an absolutely uniform aperture for the admission of light, and not a wedgeshaped opening, as is so often the case with shutters having a double adjustable curtain.

The Graflex Shutter is as easy to operate as an ordinary shutter and can be adapted to all makes of folding plate cameras. Graflex Focal Plane Shutters for Century Cameras are fitted to the Century without extra charge, but when ordered

for other cameras we add cost of adapting.

AND FOCAL PLANE SHUTTER

Anastigmat

lens cannot be secured with the ordinary type of shutter, Century Special Outfits are now listed in connection with the Graflex Focal Plane Shutter. A good camera and a good lens should have a good shutter, and a Century Special with one of these shutters leaves very little to be desired. For prices of these outfits see page 20.



Specifications

61/2 x 81/2 8 x 10 4 x 5 5 x 7 $8\frac{1}{4} \times 8\frac{1}{4} \times 2$ $9\frac{3}{8} \times 9\frac{3}{8} \times 2\frac{1}{8}$ $11\frac{5}{8} \times 11\frac{5}{8} \times 2\frac{1}{8}$ Dimensions 61/4 x 61/4 x 2 22 ozs. Weight 15 ozs.

Price

8 x 10 5 x 7 6½ x 8½ 4 x 5 \$27.00 \$31.00 Graflex Focal Plane Shutter \$24.00 \$22.00



CENTURY PLATE HOLDERS

IT is obvious that perfect pictures cannot be obtained from fogged plates. Fog results, many times, from the use of defective holders, which are faulty in design and construction. We can guarantee successful results only when Century Holders are used in Century Cameras. Century Plate Holders are made throughout of hard wood, all joints dovetailed and fitted with our new light-excluding cut-off—a perfect device—which prevents light passing through the narrow opening when the slide is inserted or withdrawn. They are compact, light and easy to load, and the plate can be inserted or removed without touching the sensitive surface. The holder is designed so as to allow the exposure of the full width of the plate.

To fill the holder it is only necessary to rest the plate on a wooden ledge or bar at one end, press the bar down and the

plate falls in place.

All Century Holders, excepting those furnished for View Cameras, are fitted with special rubbed slides—experience having demonstrated their superiority over all other slides. We use material for slides made to our order especially for Century Holders. Century Holder Slides

Will not Electrify and Cause Fog; Will not Collect Dust; Will not Crack or Split;—

It is impossible to avoid these conditions with hard rubber.

Price

DAYLIGHT ROLL HOLDERS

For Cartridge Film

THE Roll Holder is about the size of three double plate holders, and will hold Film Cartridges of twelve exposures. By means of a Cartridge Roll Holder those desiring to avail themselves of the advantages of film may do so at small outlay, as the Roll Holder is adaptable to all Centurys except $3\frac{1}{4} \times 5\frac{1}{2}$ Petite No. 3 and Petite Grand.

The Cartridge Holder loads in daylight and is interchange-

able with regular plate holders in the field.

Price

THE CROWN TRIPOD

Patented June 23, 1903

THE Crown is a four-section telescopic folding tripod, absolutely rigid, quickly set up and readily adjusted for height. It is made of selected straight-grained cherry, soaked in an oil bath for ten days before being finished. The wood is then rubbed down and shellaced. This treatment ren-

ders it extremely tough and practically waterproof.



For carrying, the lower sections telescope into the third and the upper section folds back upon it, making it very compact. All binding screws on lower sections of this tripod are "upset" and cannot be lost. Taper pins in the ear pieces of the head fit snugly into metal-tipped sockets of the legs, preventing loose joints and side play. Expansion brackets in the upper section make it impossible for the legs to be detached from the head until brackets are folded.

The No. 1 when closed measures 161/4 inches and weighs, When

with top, 36 ounces. extended to its full capacity, it stands 41/3 feet high.

The No. 2 closed measures 171/4 inches and weighs, with top, 65 ounces. When extended, it has a height of 42/3 feet.

The No. 3 closed measures 20 inches and weighs, with top, 70 ounces. When extended, it has a height of 5½ feet.

Price

No. 1 Crown Tripod, with 4-inch . . \$5.50 6.00



THE CENTURY COLOR SCREEN

THE Century Color Screen is made from two pieces of selected optical glass, between which is a stained balsam, spectroscopically tested, to give the best rendering of

color values. They are fitted in a polished and lacquered brass mount with an adjustable clamp ring, which permits the screen to be used on a number of lenses.

The Century Color Screen is indispensable for photographing flowers, fruit and other highly colored subjects, and for securing cloud effects it has no equal.

In ordering give exact diameter of lens hood.

Price

No. 1, 11/4 inches in diameter		\$2.25
No. 2, 17/8 inches in diameter		2.75
No. $2\frac{1}{2}$, $2\frac{1}{2}$ ins. in diameter		3.00
No. 3, 27/8 inches in diameter		3.25



CARRYING CASES

ENTURY Cases are made of the best sole leather with solid corners—not stitched. The camera is carried in one end and extra plate holders in the other. Cases for Model 47 and all Grand Cameras are plush-lined.

View Camera Cases, as listed below, are oblong. They are covered with canvas, lined with cloth, and have two compartments, one for camera and the other for holders.

Style Camera	31/4 x 41/4	31/4 x 51/2	4 x 5	5 x 7	6½ x 8½
Century Models 41, 43, 46 Century Grand Senior .	\$3.50		\$4.00	\$5.00 6.00	\$6.50 8.90
Century Petite Grand Petite Centurys Petite Centurys velvet-lined	2.25 3.00	\$5.00 2.50 3.50	2.50 3.50	Shoulde For 4 x 5 C For 5 x 7 C	

CANVAS COVERED CASES FOR VIEW CAMERAS

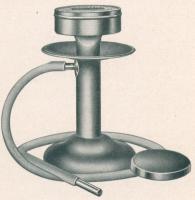
	5 x 7	6½ x 8½	8 x 10	11 x 14
Century View No. 1 and No. 2 If made to hold tripod, extra.	\$2.00	\$2.25	\$2.50	\$3.50
Lock and key, extra	.75	.75	.75 .75	1.00

CROWN FLASH LAMP

For Pure Magnesium Only

THE Crown Flash Lamp is so constructed that the magnesium powder is stored in the body of the lamp and blown up through the center of flame, thoroughly consuming it

and producing a powerful light. The head of lamp is filled with lamp-wick, saturated with alcohol. This gives a large flame, which is very essential in a perfect flash lamp. The head of lamp is removable in order to fill the magazine with magnesium powder. A safety disc is provided, to protect the hand when using the lamp. Tube and mouth pieces are also furnished.



The double spreader will not clog up and is more powerful than any other lamp of double its cost now on the market. Long or short flashes can be made.

The Crown is the perfection of flash lamps, being safe, economical and reliable. It is finished in polished nickel and presents a very handsome appearance. *Price*, \$1.50.

CENTURY PORTRAIT ATTACHMENT

POR making large portraits with short bellows cameras—like Model 41. We can furnish this attachment for all makes of cameras.

Price 5 x 7, \$1.50

4 x 5, \$1.50

 $6\frac{1}{2} \times 8\frac{1}{2}$, \$2.00





MISCELLANEOUS

Tripods, Century Compact, Three Fold Price	Tripod Screws Price For Leg \$.25
No. 1 . \$1.70 No. 3 . \$3.50	For Top, up to 11 x 14
No. $2\frac{1}{2}$ 3.00 No. 4 . 4.50	For Top, 11 x 14
Inside Kits (To Fit any Holder)	For Ground Glass, Extra
4 x 5 any opening \$.20	Quality, Satin Finish
5 x 7 "	$3\frac{1}{4} \times 4\frac{1}{4} $ \$.12 5 × 8 \$.20
$6\frac{1}{2} \times 8\frac{1}{2}$ "	$3\frac{1}{4} \times 5\frac{1}{2}$.15 $6\frac{1}{2} \times 8\frac{1}{2}$.20
8 x 10 "	4 x 5 .15 8 x 10 .30
	5 x 7 .18 11 x 14 .50
Lens Boards	
For Centurys up to 5 x 7 . \$.35	Special Rubbed Holder Slides
For Centurys above 5 x 7	$3\frac{1}{4} \times 4\frac{1}{4}$ \$.20
For Stereo Century	$3\frac{1}{4} \times 5\frac{1}{2} \dots \dots 25$
For View Cameras up to 8 x 10 .50	4 x 5
For Century View, 11 x 14	5 x 7
When ordering lens boards for View Cam-	$6\frac{1}{2} \times 8\frac{1}{2} \dots \dots$
eras, specify whether for No. 1 or No. 2.	072 x 072 · · · · · · · · · · · · · · · · · · ·
Bellows	Reversible Backs
5 x 7 Century View, No. 1 . \$4.00	For 5 x 7 View Cameras \$ 7.50
6½ x 8½ Century View, No. 1 or 2 5.00	For $6\frac{1}{2} \times 8\frac{1}{2}$ " 9.00
8 x 10 Century View, No. 1 or 2 6.00	For 8 x 10 " 11.00
11 x 14 Century View 8.00	For 11 x 14 " " 14.00
II AIT Century view 0.00	10111

OURTERMS

ALL quotations are f.o.b. Rochester. We make no charge for packing, and guarantee safe arrival of goods when forwarded by express. Shipments by mail are always at the risk of purchaser, and postage must invariably be added to the cost. We prefer that remittance be made by Draft on New York, Post-Office or Express Money Order or Registered Letter. Personal checks, when from parties unknown to us, unless certified by the bank on which they are drawn, will delay shipment of goods until check can be collected. Ten cents must be added to all personal checks to cover cost of exchange.

For the convenience of our customers, we suggest they purchase through a regular dealer in photographic goods, thus saving time and express charges.

> Century Camera Division Eastman Rodak Company Rochester, New York





CENTURY CAMERAS ROCHESTER N.Y.