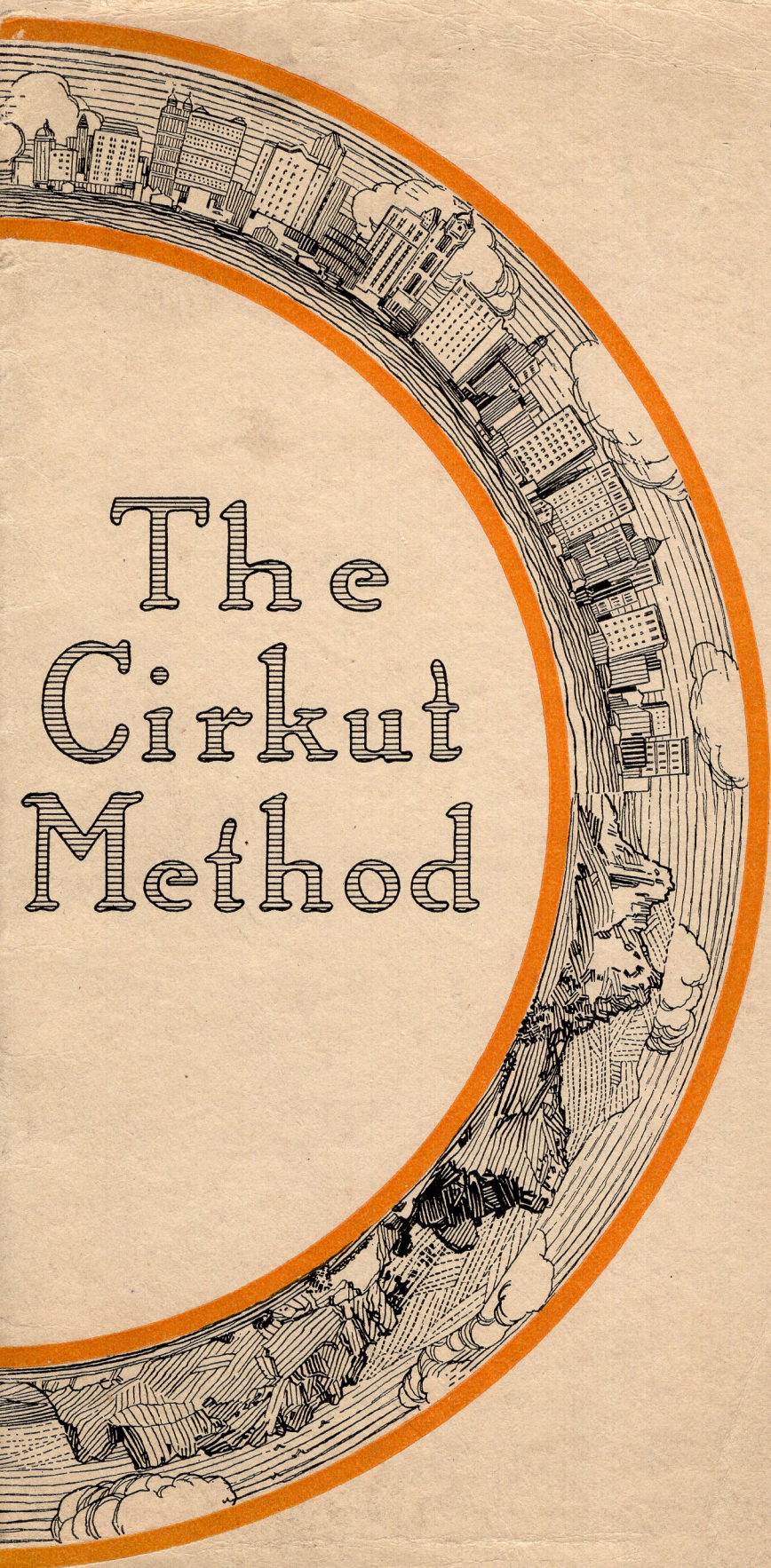
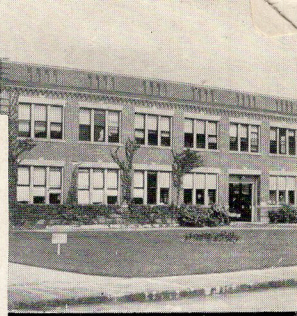
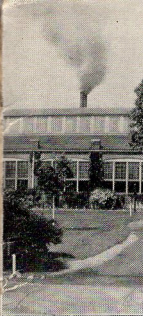


The Cirkut Method



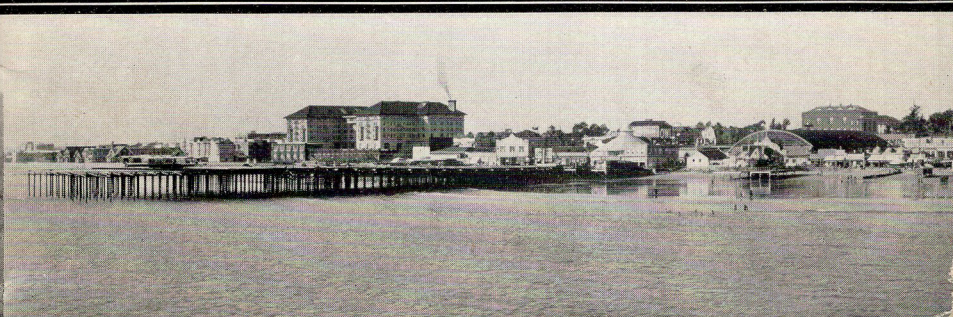
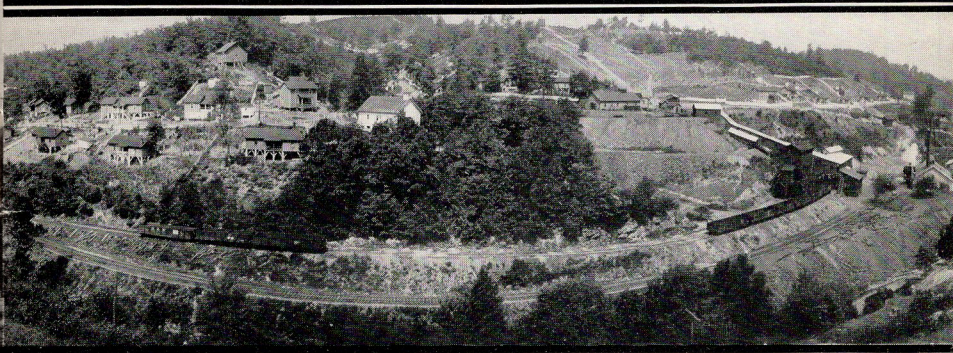


The Cirkut Camera and Its Uses



Folmer & Schwing
Division

Eastman Kodak Company
Rochester, N. Y.



The Cirkut Method

CIRKUT PHOTOGRAPHY

February 1, 1917

The Cirkut Method

THE success of photographers using the Cirkut is easily accounted for by the fact that the public wants Cirkut pictures. The photographer is finding increasing difficulty in satisfying his customers with the conventional 5 x 7, 6½ x 8½ or 8 x 10 "view" of group, factory or landscape, while the owner of a Cirkut soon finds that his customers are willing to buy more and—what is more important—pay more for pictures that are a radical departure from the old-style view, the dimensions of which were suitable to very few of the subjects pictured. The Cirkut photographer is not hampered by the limits set by the size of his camera. He can make his negative as long or short as may be required to produce the best pictorial effect. He can include in his view any angle—even the complete circle of 360 degrees—and all on one daylight-loading Eastman Film.

In every locality there are many opportunities for highly profitable Cirkut Photography. Group negatives are never so profitable as when made with a Cirkut. Large groups can be photographed without crowding the subjects on precarious stands—unsatisfactory because of the difficulty in preparing the stand, as well as the fact that many in the group are behind those in the front rows.

The photographer who owns a Cirkut has an unlimited field in which to exercise his originality in creating new business; the Summer and Winter Hotels want pictures to hang in other hotels; the railroads are always in the market for new and original pictures of some interesting feature of their line; panoramic views of real estate development projects; real views of manufacturing plants that include everything required, without having to take the picture from such a distance that many important details are too small to be of value. There are many other openings, for Cirkut photographs soon enable the owner of a Cirkut to deal with big business people in a dignified and profitable way. There are none of the disagreeable features that are sometimes associated with View work.

The Cirkut Method

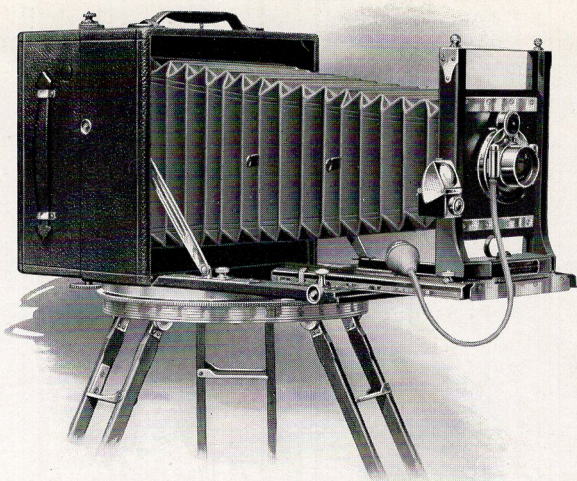
Cirkuts are made in five sizes, for film 5, 6½, 8, 10, 12 and 16 inches in width. They are constructed of the best possible materials, adjusted throughout with micrometer precision, and finished in a manner thoroughly in keeping with the high quality of the instrument. They are made to stand hard and continued usage, and each Cirkut is given rigid mechanical and photographic tests before leaving the factory.

Cirkut Outfits No. 6 and No. 8 consist of a high-grade hand camera (the Revolving Back Cycle Graphic) to which is fitted the Cirkut Film Attachment. Either the No. 6 or No. 8 Outfit can be used with Graphic Plate Holders, and the Cirkut Film Attachment can be placed in position instantly without the use of tools.

The camera furnished with the No. 6 Cirkut is the 5 x 7 Revolving Back Cycle Graphic for 5 x 7 plates or 6½-inch Cirkut Outfit Film. The No. 8 Cirkut includes the 6½ x 8½ Revolving Back Cycle Graphic for 6½ x 8½ plates or 8-inch Cirkut Outfit Film. The No. 8 Cirkut Outfit will also take the 6½-inch Outfit Film.

Film for Cirkut Cameras and Outfits is supplied in rolls of a sufficient variety of lengths to meet every condition that the photographer may encounter; and as Eastman Daylight-loading Roll Film is used, the operator may load his camera and change films in daylight. One or more exposures can be made on the same roll of film. A perforating device in the back of the film box marks the film so that it may be cut apart without danger of mutilating the negatives. A scale encircling the tripod top shows the length of film required for any angle of view with the various lens combinations and an indicator at the top of the film box shows exactly the length of film used for any exposure, thus eliminating any uncertainty regarding the quantity of film remaining on the spool.

The Cirkut Method



No. 6 Cirkut Outfit

THE NO. 6 CIRKUT OUTFIT

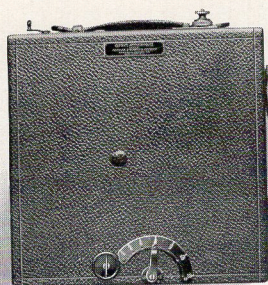
SPECIFICATIONS

Width of Photograph.....	6½ in.
Dimensions of Camera.....	8¾ x 4¼ x 9¼ in.
Dimensions of Camera with Film Attachment....	10 x 8 x 10⅞ in.
Weight of Camera.....	6¼ lbs.
Weight of Camera with Film Attachment.....	10¾ lbs.
Weight of Complete Outfit with Tripod, Top and Cases..	25 lbs.
Length of Bellows.....	22½ in.
Size of Lens Board.....	3⅛ x 3⅛ in.

PRICES

No. 6 Cirkut Outfit complete including Revolving Back Cycle Graphic, 5 x 7, with Graphic Rapid Recti- linear Lens in Automatic Shutter, one 5 x 7 double Plate Holder, one 6½-inch Cirkut Attachment, one Cirkut Tripod Top, one 6½-inch Tripod Top, one No. 4 Crown Tripod, one Bulb and Hose, Gears, and two Carrying Cases to hold complete equip- ment	\$126.50
No. 6 Cirkut Outfit with Turner Reich Lens Series II No. 2, in Shutter, Triple Foci, 7½-12 and 18 inches	171.30
No. 6 Cirkut Outfit with B. & L. Protar Lens Series VIIa No. 9, in Volute Shutter, Triple Foci, 7½- 11⅓/16 and 16⅓ inches	212.80

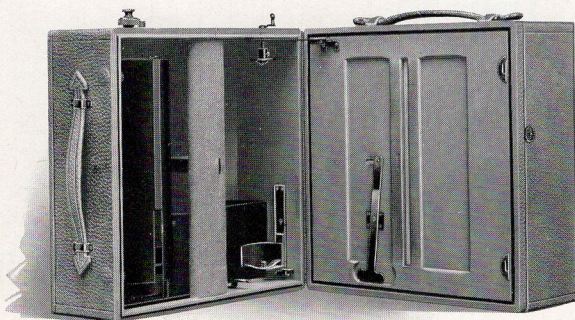
The Cirkut Method



Back of No. 6 Cirkut Outfit

THE NO. 6 CIRKUT OUTFIT

THE CAMERA supplied with this outfit is the 5 x 7 Revolving Back Cycle Graphic. This camera is constructed in the best possible manner of selected mahogany, and includes every necessary adjustment—swing back, rising and falling front, rack and pinion focusing device, as well as the double section telescopic bed which is absolutely rigid, even when the bellows is extended to its full capacity.



No. 6 Cirkut Film Box Open

The Cirkut Method

THE ATTACHMENT for making Cirkut negatives consists of a solidly constructed box which contains the motor for revolving the camera on the tripod, and at the same time, winding the film from the spool to the receiving drum. On the top of the film box are located the lock nut for connecting the drum with the motor, an indicator to show how many inches of film have been used, and a rewinding handle to wind the film back to the spool. On the lower side of the film box is located a plate with openings for the shaft on the gear wheels, also an opening for the winding key. The speed of exposure is regulated by a governor contained within the film box, the speed of the governor being controlled by a dial attached to the back of the box. The speed of exposures that may be obtained with the No. 6 Cirkut Outfit are $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{6}$, $\frac{1}{8}$, $\frac{1}{10}$ and $\frac{1}{12}$ of a second.

The starting of the motor automatically opens the exposure slot. In the back of the film box is located a concealed button which operates a perforating device to show where the film may be cut apart when more than one exposure is made on the same roll of film. The film attachment is covered with the same high grade of leather that is used on the camera.

THE LENS regularly supplied is the Graphic Rapid Rectilinear in Automatic Shutter. This lens is not an Anastigmat, but gives excellent results with the Cirkut, as the exposure is made through a narrow slot. The front lens cell may be removed and the rear lens used alone, giving an image approximately twice the size at the same distance as is obtained with the complete lens. The lens supplied with the No. 6 Cirkut Outfit has an equivalent focus of 8 inches.

For those who wish to obtain the best possible results, we would recommend either of the Anastigmat Lenses listed.

THE CIRKUT TRIPOD TOP is made of aluminum, on top of which is placed a circular aluminum platform running on small wheels, which insure a smooth, easy movement to the camera. The aluminum top

The Cirkut Method

also carries a large circular rack which engages the gear wheel on the film box. A sliding scale marked in degrees and inches encircles the tripod top, showing at a glance the exact length of film required for any subject. For instance, if it is necessary to include half of the complete circle, or 180 degrees, and the lens employed has a focal length of 8 inches, a glance at the scale will show that $24\frac{3}{4}$ inches of film will be required.

THE TRIPOD is the regular No. 4 Crown Tripod, an absolutely rigid four-section tripod with expansion brackets to keep the legs from becoming detached from the tripod head. This tripod when extended to its full capacity measures $5\frac{1}{2}$ feet, and the top measures $6\frac{1}{2}$ inches.

THE CARRYING CASES provide ample room for the entire outfit, one case having room for the camera, film or plate holder, and another to take the film box, tripod, top and gears. The carrying cases are solidly constructed of sole leather.

EXPOSURE—The scale and index on the back of the film attachment show the durations of exposure that can be given with the No. 6 Cirkut Outfit. These speeds are approximately $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{6}$, $\frac{1}{8}$, $\frac{1}{10}$ and $\frac{1}{12}$ of a second, the duration of exposure being controlled by the rapidity with which the camera revolves on the tripod top. An accurately constructed governor contained within the film box regulates the speed.

The Cirkut can not be utilized for extremely rapid work, nor is it possible to give exposure of longer duration than one-half second.

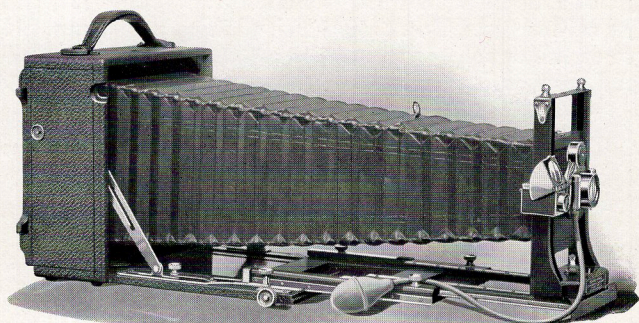
LENGTH OF NEGATIVE—Negatives of any length up to six feet may be made with the No. 6 Cirkut Outfit, the length of negative depending on the distance the camera is permitted to revolve, and the focal length of the lens used. It is inadvisable to attempt to make a 360-degree picture with the long front or rear single combination of the lens, on account of the unevenness of lighting, and extreme length of film required.

The Cirkut Method

For the photographer who requires an outfit for all around photographic work, the No. 6 Cirkut Outfit leaves little to be desired, as the revolving back camera supplied with this outfit can be utilized for 5 x 7 photographic work on plates. The revolving back which accepts a 5 x 7 plate holder, can be instantly removed without the use of tools of any kind, and the film attachment placed in position, when the camera is ready for panoramic negatives on film.

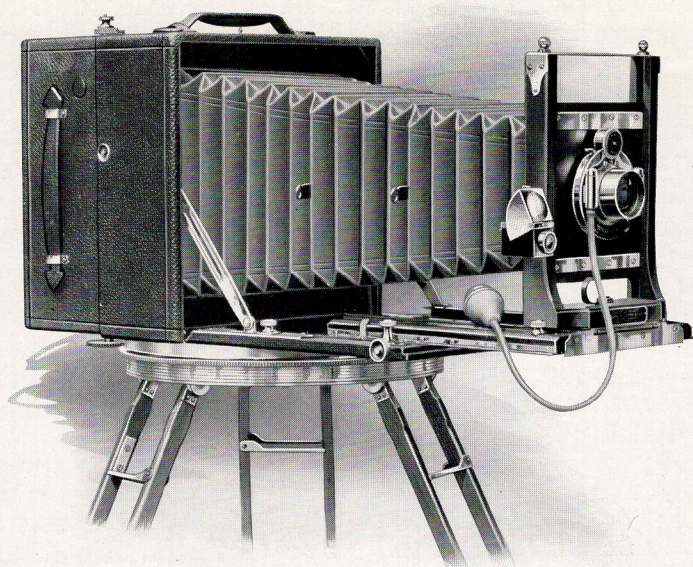
One Graphic Double Plate Holder is supplied with the No. 6 Cirkut Outfit, and the carrying case for the camera has space for five additional holders. This makes it possible for the owner of a No. 6 Cirkut Outfit to go into the field equipped for any kind of work.

The 5 x 7 Graflex Focal Plane Shutter makes a valuable addition to the No. 6 Cirkut Outfit, when the camera is used for making negatives on glass plates. This shutter is actuated to give exposures of any duration from "time" to $\frac{1}{1000}$ of a second. The 5 x 7 Graflex Focal Plane Shutter interchanges with the ground glass back, and can be instantly attached without the use of tools.



Revolving Back Cycle Graphic

The Cirkut Method



No. 8 Cirkut Outfit

THE NO. 8 CIRKUT OUTFIT

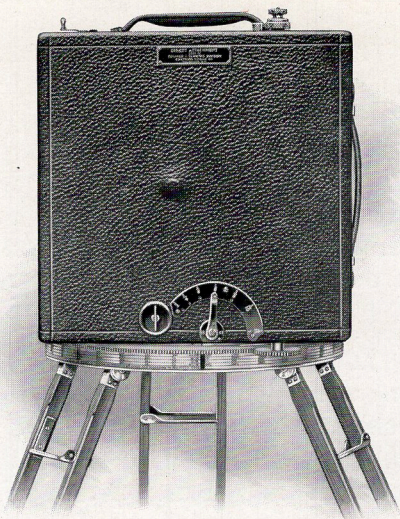
SPECIFICATIONS

Width of Photograph.....	8 in.
Dimensions of Camera.....	10 $\frac{3}{8}$ x 4 $\frac{1}{2}$ x 10 $\frac{3}{8}$ in.
Dimensions of Camera with Film Attachm't, 11 $\frac{5}{8}$ x 8 $\frac{1}{2}$ x 10 $\frac{7}{8}$ in.	
Weight of Camera.....	9 lbs.
Weight of Camera with Film Attachment.....	14 lbs.
Weight of Complete Outfit with Tripod, Top and Cases..	44 lbs.
Length of Bellows.....	26 in.
Size of Lens Board.....	4 $\frac{1}{8}$ x 4 $\frac{1}{8}$ in.

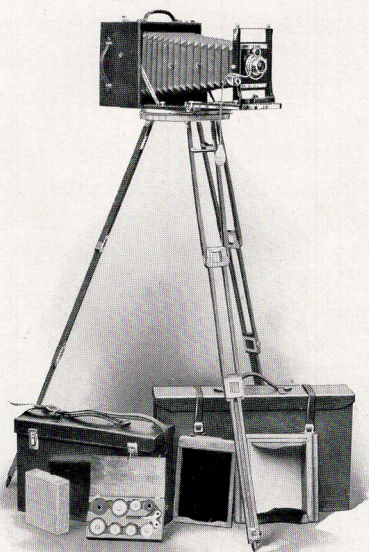
PRICES

No. 8 Cirkut Outfit complete, including Revolving Back Cycle Graphic, 6 $\frac{1}{2}$ x 8 $\frac{1}{2}$, with Graphic Rapid Rectilinear Lens in Automatic Shutter, one 6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ double Plate Holder, one 8-inch Cirkut Attachment, one Cirkut Tripod Top, one 6 $\frac{1}{2}$ -inch Crown Tripod Top, one No. 4 Crown Tripod, one Bulb and Hose, Gears, and two Carrying Cases to hold complete equipment	190.00
No. 8 Cirkut Outfit with Turner Reich Lens Series II No. 4, in Shutter, 10 $\frac{1}{2}$, 18 and 24 inch.....	256.20
No. 8 Cirkut Outfit with B. & L. Protar Series VIIa No. 12; 9 $\frac{1}{8}$, 13 $\frac{3}{4}$ and 18 $\frac{7}{8}$ inch in Volute Shutter	296.80

The Cirkut Method



Back of No. 8 Cirkut Outfit



Complete No. 8 Cirkut Outfit

The Cirkut Method

THE NO. 8 CIRKUT OUTFIT

THE CAMERA supplied with the No. 8 Cirkut Outfit is the Revolving Back Cycle Graphic in the $6\frac{1}{2} \times 8\frac{1}{2}$ size. This camera is solidly constructed of selected mahogany and finished to give the best effect. Every necessary adjustment is included—rising and falling front, swing back and rack and pinion focusing device—nothing is sacrificed to produce a thoroughly efficient, rigid and attractive camera.

THE ATTACHMENT is similar in construction to that supplied with the No. 6, except for size. The No. 8 Attachment will take Cirkut Outfit Film 8 inches wide, and will also take the $6\frac{1}{2}$ -inch film supplied for the No. 6 Outfit. On top of the film box are located the rewinding handle and the lock nut for connecting the receiving drum with the motor, as well as the indicator showing the length of film used.

The speed of the motor is controlled by a small governor contained in the film box effectually performing this function, a dial upon being turned indicates the exposure of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{6}$, $\frac{1}{8}$, $\frac{1}{9}$, $\frac{1}{10}$ and $\frac{1}{12}$ of a second. To start the motor, a key which is sunk in the back panel of the film box is turned in either direction; the action of turning the key automatically opens the exposure slot. A concealed button operates the perforating device to show where the film may be cut apart when more than one exposure is made on the same roll of film.

THE LENS regularly furnished is the Graphic Rapid Rectilinear $6\frac{1}{2} \times 8\frac{1}{2}$ in Automatic Shutter. While this lens is not an Anastigmat, it is a very excellent lens of its type, and will produce satisfactory results. The front cell may be removed and the rear element used alone, giving an image approximately twice the size of that obtained with the complete lens at the same distance. The Graphic Rapid Rectilinear Lens supplied with the No. 8 Cirkut Outfit has an equivalent focus of 11 inches.

The Cirkut Method

THE CIRKUT TRIPOD TOP is made of aluminum with a light aluminum platform traveling on small wheels to insure the smooth and easy operation of the camera. A sliding scale which encircles the tripod top is supplied with the No. 8 Cirkut Outfit. This enables the operator to determine instantly the amount of film required for negatives of different lengths with lenses of various foci. For instance, if the negative to be made includes an angle of 120 degrees and the single lens having a focus of 18 inches is used to make the picture, the scale will show that 36 inches of film will be required for the negative.

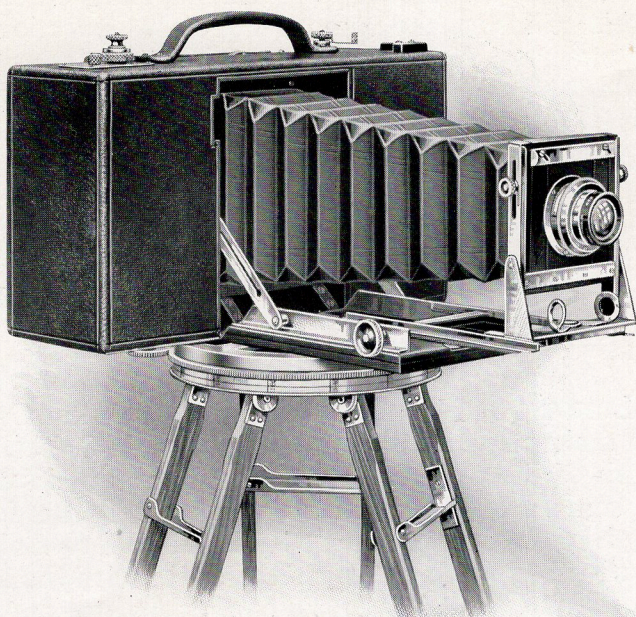
LENGTH OF NEGATIVE—The No. 8 Cirkut Outfit will make negatives of any length up to 8 feet, the length of the negative depending upon the distance the camera is permitted to revolve and the focal length of the lens used. It is inadvisable to make a negative including the complete circle with the long focus front or rear elements of the lens, not only on account of the excessive length of film required, but also on account of uneven lighting.

The No. 8 Cirkut Outfit is particularly valuable to the Professional Photographer who wishes to utilize the outfit for $6\frac{1}{2} \times 8\frac{1}{2}$ work on plates as well as the making of panoramic negatives.

One $6\frac{1}{2} \times 8\frac{1}{2}$ Graphic Double Plate Holder is supplied with the No. 8 Cirkut Outfit, and space in the camera carrying case is provided for five extra plate holders. When making negatives on glass plates, the $6\frac{1}{2} \times 8\frac{1}{2}$ Graflex Focal Plane Shutter makes a most valuable addition to this outfit, as the Graflex Focal Plane Shutter is actuated to give exposures of any duration from "time" to $\frac{1}{1000}$ of a second. When the Focal Plane Shutter is ordered with the outfit, a camera case of sufficient size, to accommodate the camera with Focal Plane Shutter attached, is supplied without extra charge.

Two sole leather cases are supplied with the outfit.

The Cirkut Method



No. 5 Cirkut Camera

THE NO. 5 CIRKUT CAMERA

SPECIFICATIONS

Width of Photograph.....	5 in.
Dimensions	12 x 7 x 4 in.
Weight of Complete Equipment.....	19 lbs.
Length of Bellows.....	12 in.
Size of Lens Board.....	2¾ x 2¾ in.

PRICE

No. 5 Cirkut Camera complete, including Special Convertible Lens; 6¼, 11 and 14 inches, one No. 2 Crown Tripod, one Cirkut Tripod Top, Gears, Key, and Carrying Case to hold complete outfit...\$118.00

NOTE—No. 5 Cirkuts will be sold complete with lens only.

The Cirkut Method



THE NO. 5 CIRKUT CAMERA

THIS little camera effectively supplies the growing demand for a small, compact and thoroughly efficient panoramic camera.

THE NO. 5 CIRKUT CAMERA is constructed for panoramic photography only, and incorporates many new and exclusive features not found in any other panoramic camera. The body of the camera is constructed of selected mahogany, all exposed wood parts being ebonized to harmonize with the rich gun metal finish of the exposed metal work. The camera

The Cirkut Method

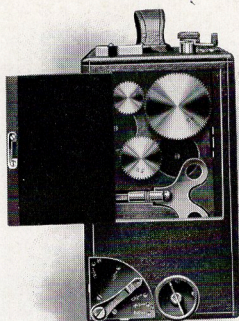
body itself contains the mechanism for operating the instrument, thus dispensing with the separate film attachment as supplied with Cirkuts Nos. 6, 8, 10 and 16. The camera body is covered with the finest grade of Morocco leather, and the hinged back panel affords easy access to the film pockets, winding drum and sliding ground glass for focusing. The sliding ground glass is provided with a safety device which will not permit the closing of the back until the ground glass is moved to the proper position for exposing. A pocket is provided for the full set of gear wheels and winding key, and the back panel contains a perforating device for marking the film when more than one exposure is made on the same roll.

The speed of the motor is controlled by a governor contained within the body of the camera; a dial and pointer on the outside of the camera regulates the speed of the governor, allowing exposures of from $\frac{1}{2}$ to $\frac{1}{12}$ of a second. The stopping and starting key directly back of the governor control, starts or stops the motor by a quarter turn. An indicator on the top of the camera box shows how many inches of film have been used for any view.

THE LENS—The special Rapid Convertible Lens supplied exclusively with this outfit is a convertible lens having three foci. The doublet, or complete lens, works at f. 8 and has a focus of $6\frac{1}{4}$ inches. The front and rear single elements work at f. 16, and have foci of 14 and 11 inches respectively. This affords sufficient variation to provide for every situation that falls within the province of a panoramic camera.

THE TRIPOD—The No. 2 Crown Tripod supplied with this camera is of very rigid construction, the four sections when folded measuring but $17\frac{1}{4}$ inches, and when extended $4\frac{2}{3}$ feet. The Cirkut tripod top is accurately made of aluminum, the revolving section traveling on six small wheels insuring a smooth and easy movement. The circular rack on the tripod top is milled with the utmost accuracy from heavy clock brass. A graduated tape surrounding the tri-

The Cirkut Method

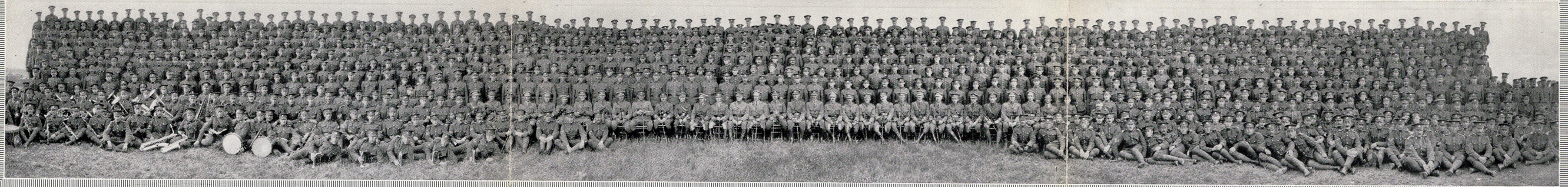


pod head enables the operator to determine at a glance the length of film required for any negative.

LENGTH OF NEGATIVE—The No. 5 Cirkut will make negatives of any length up to 42 inches, the length of negative depending upon the distance the camera is permitted to revolve and the focal length of the lens used. It is inadvisable to make negatives including the complete circle, as extremely few subjects are suitable for negatives of this kind, and the negative is frequently unsatisfactory on account of the uneven lighting.

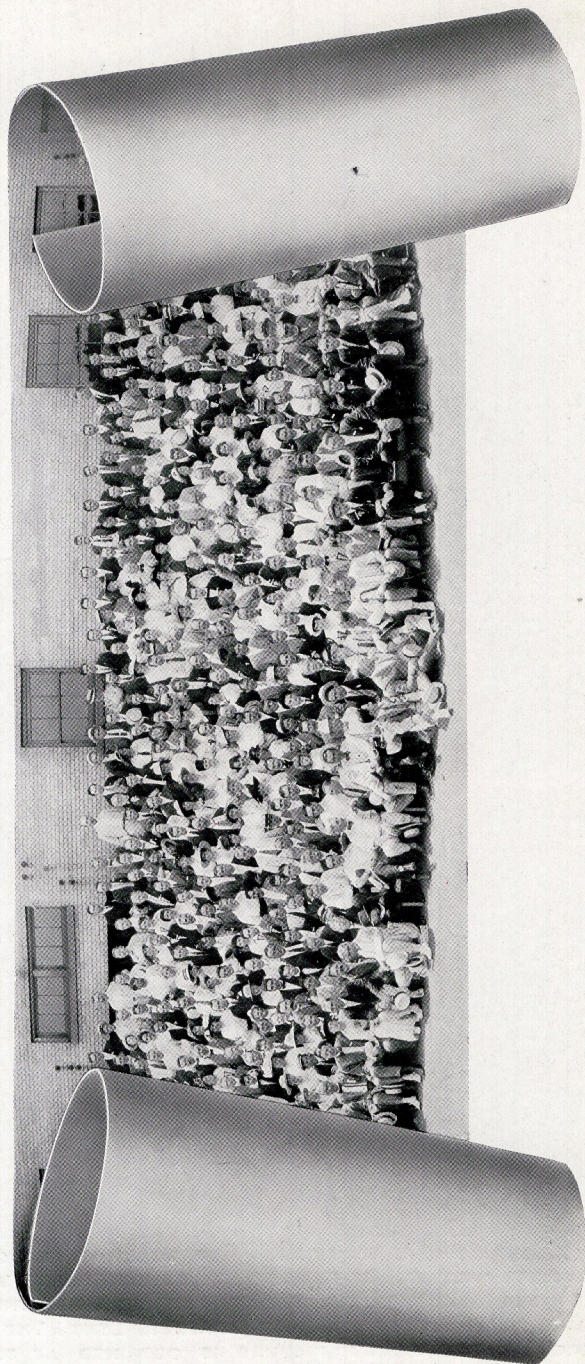
THE FILM—The No. 5 Cirkut uses the regular Eastman Daylight-loading Film in 5-inch rolls. The film for the No. 5 Cirkut Camera is wound differently than that for Cirkut Outfits No. 6 and No. 8. When ordering film for this outfit always specify "No. 5 Cirkut Camera Film. White Label."

The No. 5 Cirkut camera is contained in one solidly constructed sole leather carrying case.

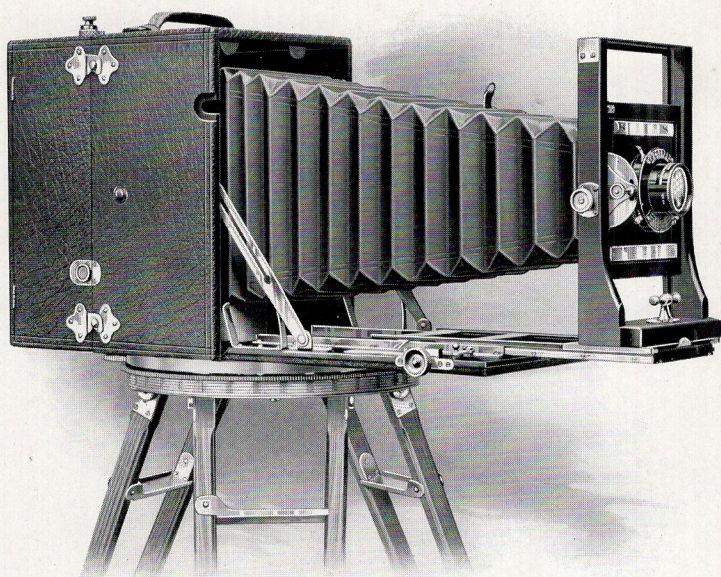


REPRODUCTIONS ABOVE SHOW THE RELATIVE SIZE OF IMAGE OBTAINED WITH THE DIFFERENT LENS COMBINATIONS FURNISHED WITH THE NO. 10 CIRKUT. THE TOP PICTURE SHOWS THE EFFECT WHEN USING THE DOUBLET OR COMPLETE LENS. THE LARGER IMAGE IN THE CENTER PICTURE IS OBTAINED AT THE SAME DISTANCE BY USING THE BACK SINGLE ELEMENT OF THE LENS. A STILL LARGER IMAGE IS SECURED BY USING THE FRONT SINGLE LENS AS INDICATED IN THE LOWER PICTURE.

The Cirkut Method



The Cirkut Method



No. 10 Cirkut Camera

THE NO. 10 CIRKUT CAMERA

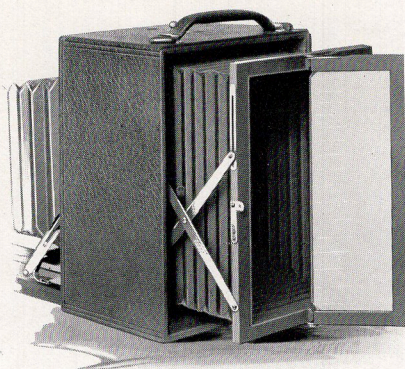
SPECIFICATIONS

Width of Photograph.....	10 in.
Dimensions	9 x 11 x 12 in.
Weight of Complete Equipment.....	49 lbs.
Length of Bellows.....	27 in.
Size of Lens Board.....	4 x 4 in.

PRICES

No. 10 Cirkut Camera complete, including Turner Reich Lens Series II No. 4; 10½, 18 and 24 inch in Double Valve Shutter, one F. & S. Professional Tripod, one Cirkut Tripod Top, one Bulb and Hose, Gears, and two Carrying Cases to hold complete equipment	\$300.00
No. 10 Cirkut Camera without lens and shutter.....	230.00

The Cirkut Method

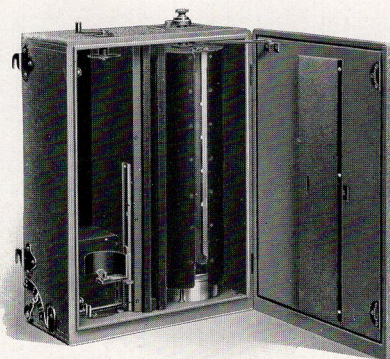


Showing focusing back of No. 10 Cirkut

THE NO. 10 CIRKUT CAMERA

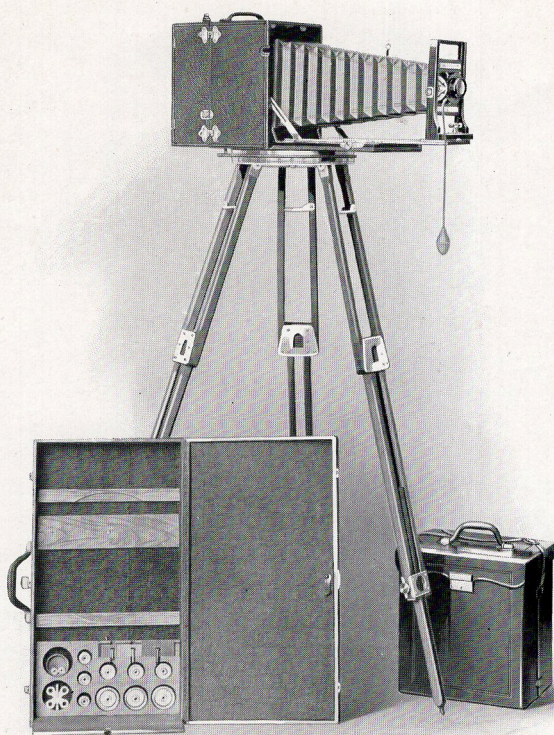
THE No. 10 Cirkut Camera is constructed for Panoramic Photography only, and is not intended for use with plates.

THE CAMERA is solidly constructed of the best mahogany, the ebonized finish of the wood harmonizing perfectly with the oxidized metal work. The heavy brass bound telescopic bed is operated by rack and pinion and can be locked in any desired position, the focusing pinion itself acting as a lock.



No. 10 Cirkut Film Box Open

The Cirkut Method



No. 10 Cirkut Complete

THE FILM BOX containing the motor for driving the mechanism and governor for controlling the speed, is covered with the same high grade of leather that is used on the camera, and constructed with the utmost accuracy to insure an even and constant motion of camera and receiving drum. On the top of the film box are located the lock nut, for engaging the receiving drum with the motor, and the handle for winding the film back on the spool after exposure.

THE LENS regularly supplied with the No. 10 Cirkut Camera is the Turner Reich Lens Series II, f. 7.5, made especially for the Cirkut. This lens can be used complete, or either the front or rear lenses may be used singly. The complete lenses, or doublet,

The Cirkut Method

have a focus of $10\frac{1}{2}$ inches, while the front and rear elements have foci of 24 inches and 18 inches respectively.

The relative size of image obtained with the doublet, front and rear lenses, are shown on pages 18 to 20.

THE TRIPOD supplied with the No. 10 Cirkut is the F. & S. Professional Tripod having a total length when extended of 5 feet, and when folded, $24\frac{1}{2}$ inches. It is constructed with the utmost rigidity, effectually eliminating the possibility of vibration. The Cirkut Tripod top is made of aluminum, the portion carrying the camera traveling on small wheels. A heavy brass rack extending around the top engages the pinion for driving the camera.

To determine the length of film required for exposures embracing any number of degrees, a scale marked in degrees and inches is attached to the tripod top.

TWO CARRYING CASES provide ample room for the entire equipment.

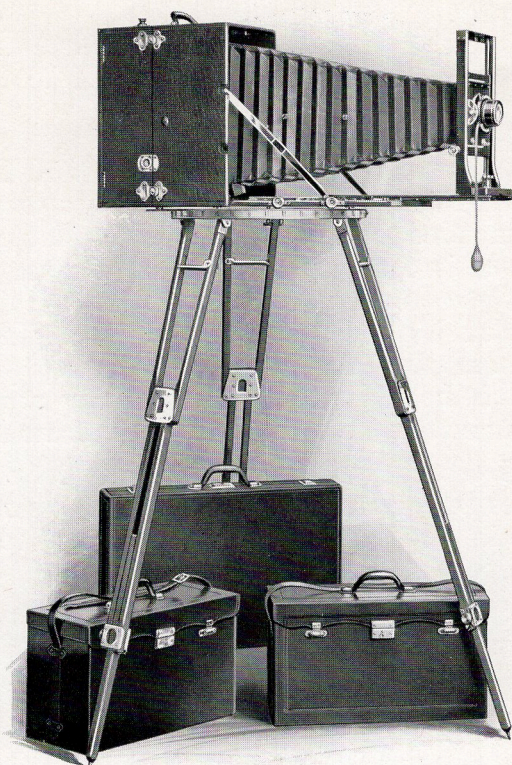
EXPOSURES from $\frac{1}{2}$ to $\frac{1}{12}$ of a second can be made with the No. 10 Cirkut.

LENGTH OF NEGATIVES—Negatives of any length up to 12 feet may be made with the No. 10 Cirkut Camera. The length of negative depends on the distance the camera is permitted to revolve and the focal length of the lens employed.

THE FILM supplied for Cirkut Camera No. 10 is Eastman Daylight-loading Film in spools 10 inches wide. This instrument will also accept Cirkut Camera Film in rolls 6 inches and 8 inches wide, as listed on page 30. *Film for Cirkut Outfits No. 6 and No. 8 cannot be used in Cirkut Cameras No. 10 and No. 16.*

For the Professional Photographer whose business demands large panoramic photographs, the No. 10 Cirkut Camera answers every purpose. No. 10 Cirkut photographs printed with a 2-inch white margin present a very striking appearance.

The Cirkut Method



No. 16 Cirkut Camera

THE NO. 16 CIRKUT CAMERA

SPECIFICATIONS

Width of Photograph.....	16 in.
Dimensions	11¼ x 14¼ x 18 in.
Weight of Complete Equipment.....	90 lbs.
Length of Bellows.....	39 in.
Size of Lens Board.....	5 x 5 in.

PRICES

No. 16 Cirkut Camera complete, including Turner Reich Lens Series II; 15, 24 and 36 inch in Double Valve Shutter, one F. & S. Professional Tripod, one Cirkut Tripod Top, one Bulb and Hose, Gears, and three Carrying Cases to hold complete equipment	\$445.00
No. 16 Cirkut Camera without lens and shutter.....	370.00

The Cirkut Method

THE NO. 16 CIRKUT CAMERA

THE No. 16 CIRKUT is the largest of the Cirkut Cameras. This instrument makes a negative 16 inches wide and of any length up to 20 feet. This camera is intended for big work, and there are many large business concerns spending money for expensive lithographs who would rather have an actual photograph of their buildings, grounds or docks, provided they could get the kind of photograph they want. The No. 16 Cirkut will make it. Business men are fast realizing that a photograph carries an impression of truth and sincerity that can never be conveyed by any wash drawing or mechanical process. The photographer with a Cirkut large enough for big work will find this a decidedly profitable part of his business.

THE CAMERA is similar in construction to that supplied with the No. 10 Cirkut, and is intended for Panoramic Photography only. It is constructed with the utmost rigidity and is fitted with rising and falling front, tilting lens board, brass bound telescopic bed and rack and pinion focusing device.

THE FILM BOX contains a powerful motor for revolving the camera and at the same time driving the receiving drum. The top of the film box carries the rewinding handle and the lock nut for engaging the receiving drum with the motor. A metal plate on the under side of the film box has openings for the winding key and shaft of the gear wheels, and instead of the fans previously supplied, an accurately made governor controls the speed of the motor. The speed of the motor is indicated by a dial and pointer at the side of the film box, and exposures of any duration from $\frac{1}{2}$ to $\frac{1}{12}$ of a second may be made. A concealed button at the back of the film box operates a perforating device, showing where to cut the film apart when more than one exposure has been made on the same roll. The film box is covered with the same fine quality of leather that is on the camera.

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THE LENS supplied with the No. 16 Cirkut is the Turner Reich Anastigmat Series II, f. 7.5, which is made especially for this camera. The complete lens has a focal length of 15 inches, while the front and rear single elements have foci of 36 and 24 inches respectively.

THE TRIPOD supplied with the No. 16 Cirkut is the F. & S. Professional Tripod described on page 25, and the Cirkut Tripod Top is constructed in the same manner as that furnished with the No. 10, with the exception that it is larger and heavier to carry the No. 16 Camera.

THREE CARRYING CASES are furnished to carry the entire outfit.

LENGTH OF NEGATIVE—Negatives of any length up to 240 inches may be made with the No. 16 Cirkut Camera.

AN INDICATOR on top of the film box shows the exact length of film used for each exposure and a graduated scale encircling the tripod top shows the length of film required for any negative with the various lens combinations.

CIRKUT FILM

SO IMPORTANT is the work ordinarily done with a Cirkut Camera, that in making pictures with such an outfit, perhaps more than in the case of any other type of camera, every factor which might affect the final result must be met to the end that every exposure made shall become a satisfactory negative.

The mechanical construction of the Cirkut Camera leaves nothing to be desired in operation and efficiency. There remains only the factor of the photographic medium on which the exposures are to be made.

This question is wholly and definitely settled by the Kodak N. C. Film, which is supplied for Cirkut Cameras and which is the only medium that can adequately meet the requirements of Cirkut Camera Photography.

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Those qualities that make Eastman N. C. the best film for general use, which have made it indispensable to 95 per cent. of the makers of motion pictures—probably the most severe test to which a film could be put—are the same qualities which make it necessary for the best results in Cirkut photography.

It is *properly* orthochromatized. The unexampled experience of the Eastman Kodak Company with both plates and films enables them to make and maintain the most perfectly balanced film in the rendering of color values.

It has extreme speed, or it could not be used by moving picture men whose every exposure is, of course, a snap shot, often under poor light conditions.

It is free from halation and mechanical defects, and has a great latitude taking care of all errors of judgment in exposure, within reasonable bounds.

And above all is its unvarying dependability, the certainty that you have that every roll you use has all these qualities in the same degree as every other roll. It is that dependability that makes Kodak film the invariable choice of those who gather the news of the world and those who cannot afford to fail.

Films of length not regularly listed are spooled to order, which always involves a delay in making shipment. Films of lengths not listed will be billed at the next higher regularly listed price, and are not subject to return.

PRICES

Film for No. 5 Cirkut Camera:

5 in. x 15 in.....	Per Roll \$	0.25	} White Label
5 in. x 20 in.....	“ “	0.35	
5 in. x 30 in.....	“ “	0.50	
5 in. x 42 in.....	“ “	0.70	

For No. 6 Cirkut Outfit:

6½ in. x 3 ft.....	Per Roll \$	0.80	} Green Label
6½ in. x 6 ft.....	“ “	1.60	
6½ in. x 10 ft.....	“ “	2.60	

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For No. 8 Cirkut Outfit:

6½ in. x 3 ft.....	Per	Roll	\$ 0.80	} Green Label
6½ in. x 6 ft.....	"	"	1.60	
6½ in. x 10 ft.....	"	"	2.60	
8 in. x 4 ft.....	"	"	1.30	
8 in. x 8 ft.....	"	"	2.60	
8 in. x 12 ft.....	"	"	3.90	

For No. 10 Cirkut Camera:

6 in. x 5 ft.....	Per	Roll	\$ 1.20	} White Label
6 in. x 10 ft.....	"	"	2.40	
6 in. x 15 ft.....	"	"	3.60	
8 in. x 10 ft.....	"	"	3.20	
8 in. x 15 ft.....	"	"	4.80	
8 in. x 20 ft.....	"	"	6.40	
10 in. x 4 ft.....	"	"	1.60	
10 in. x 6 ft.....	"	"	2.40	
10 in. x 10 ft.....	"	"	4.00	
10 in. x 15 ft.....	"	"	6.00	
10 in. x 20 ft.....	"	"	8.00	

For No. 16 Cirkut Camera:

8 in. x 10 ft.....	Per	Roll	\$ 3.20	} White Label
8 in. x 15 ft.....	"	"	4.80	
8 in. x 20 ft.....	"	"	6.40	
10 in. x 4 ft.....	"	"	1.60	
10 in. x 6 ft.....	"	"	2.40	
10 in. x 10 ft.....	"	"	4.00	
10 in. x 15 ft.....	"	"	6.00	
10 in. x 20 ft.....	"	"	8.00	
12 in. x 6 ft.....	"	"	2.90	
12 in. x 10 ft.....	"	"	4.80	
12 in. x 15 ft.....	"	"	7.20	
16 in. x 6 ft.....	"	"	3.85	
16 in. x 10 ft.....	"	"	6.40	
16 in. x 20 ft.....	"	"	12.80	

Film for Cirkut Outfits Nos. 6 and 8 can not be used in Cirkut Cameras Nos. 10 and 16; nor can film for Cirkut Cameras Nos. 10 and 16 be used in Cirkut Outfits Nos. 6 and 8.

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Film for Cirkut Outfits is wound differently from that supplied for Cirkut Cameras. When ordering film it is always necessary to specify whether film is intended for use with Cirkut Cameras Nos. 10 or 16, or for the Cirkut Outfits Nos. 6 and 8.

CIRKUTS WITHOUT LENSES

WHEN customers have lenses of suitable focal length which they wish fitted to Cirkut Cameras or Outfits, it is necessary for us to have the lenses in our possession so the fitting can be accurately done. This work involves the making of special gear wheels and scales, as well as actual photographic tests on film in the camera. When customers send us their lenses for fitting, it is necessary for us to make a charge for this work, which price includes the gears and scales as well as materials used in making tests.

GRAPHIC RAPID RECTILINEAR LENSES

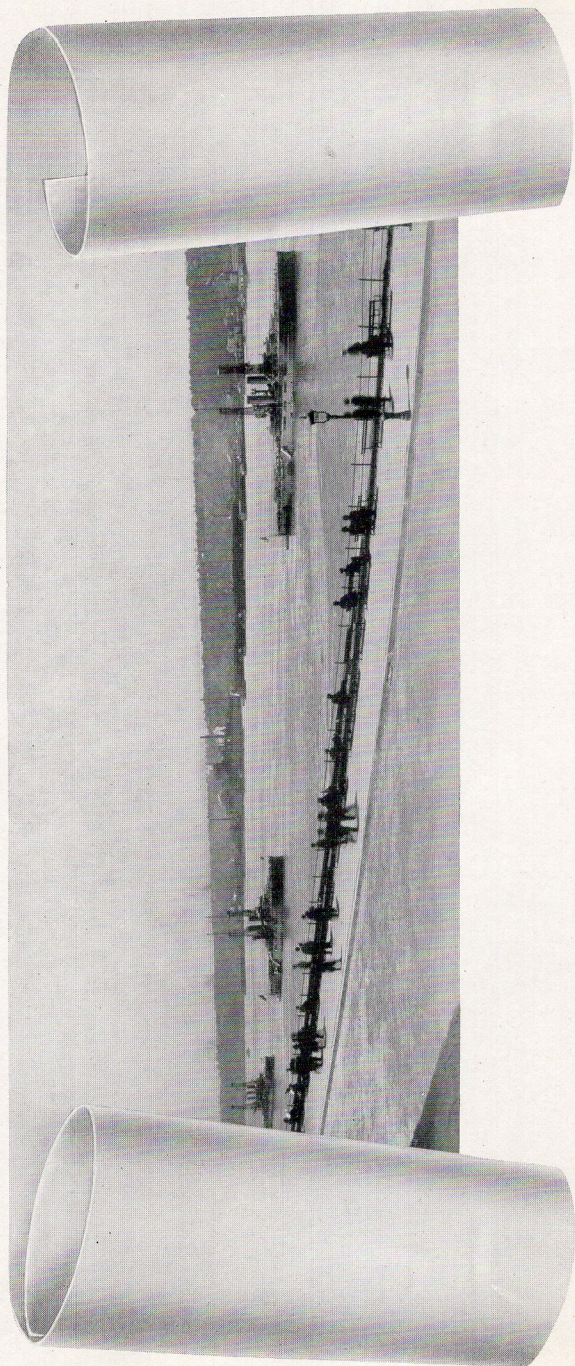
CIRKUT OUTFITS Nos. 6 and 8 when fitted with the Graphic R. R. Lens, are equipped with gears and scales for the complete lens and rear single lens only. Gears are not supplied for the front single lens.

The approximate foci of the Graphic R. R. Lenses supplied with Cirkut Outfits Nos. 6 and 8, are as follows:

	Complete Lens	Back Single Lens
No. 6	8½"	14"
No. 8	11"	18"

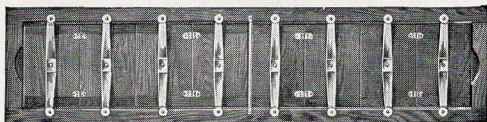
When Cirkut Outfits Nos. 6 and 8 are purchased with either the B. & L. Protars Nos. 9 or 12, or the Turner Reich Lens Nos. 2 and 4, as listed, gears and scales are supplied for all three combinations of each lens.

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CIRKUT PRINTING FRAMES



Price without Glass

6½ in. x 30 in.....	\$ 7.25
6½ in. x 4 ft.....	9.00
8 in. x 4 ft.....	9.50
8 in. x 6 ft.....	13.50
10 in. x 4 ft.....	10.25
10 in. x 6 ft.....	15.25
16 in. x 6 ft.....	26.50
16 in. x 10 ft.....	33.50

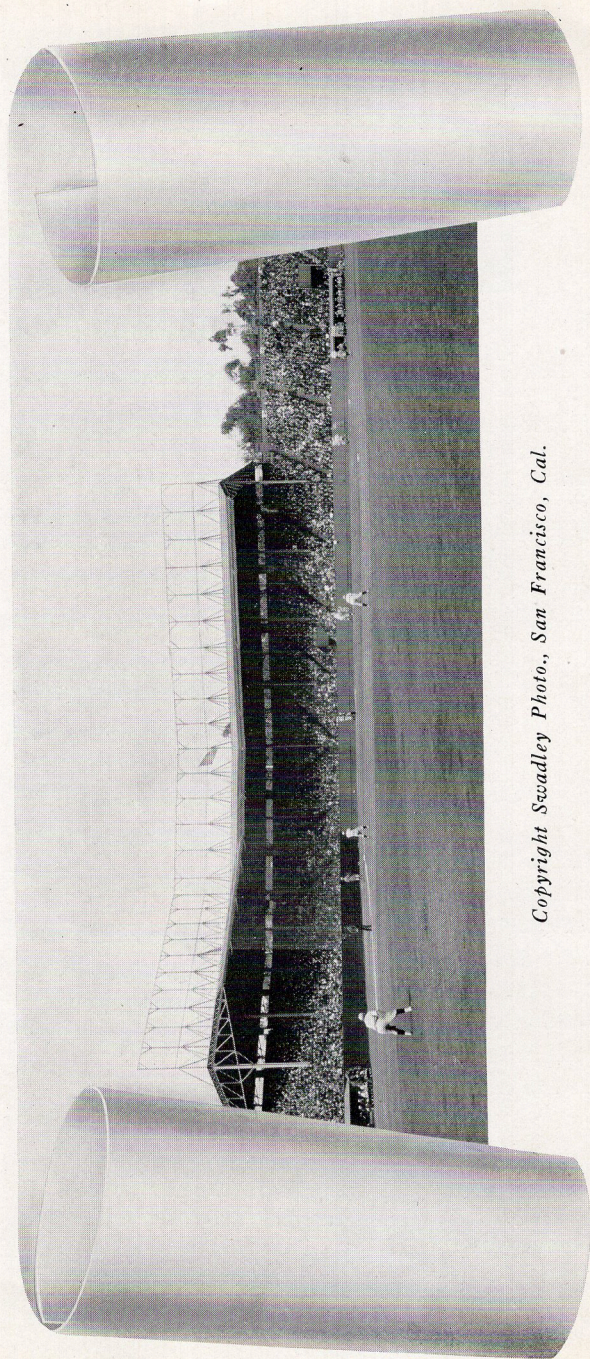
CENTURY 12-FOOT TRIPOD

SOME subjects make it necessary to elevate the camera to a considerable distance to secure the best results. The Century 12-foot Tripod fully answers this purpose as it is high enough to answer all practical purposes, and is rigidly constructed to prevent excessive vibration. It is fitted with stays to prevent the legs from spreading, and when folded measures 53 inches.

PRICE

Century 12 ft. Tripod complete.....	\$28.00
Century 12 ft. Tripod without Top.....	24.00

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DEVELOPING AND PRINTING

TO those who do not choose to do their own developing or printing, we are prepared to offer the advantages of most unexcelled facilities for doing any of this work. Film sent to us for development or printing should be carefully packed and plainly marked with sender's name.

PRICES OF DEVELOPING

Length of Negative	5 in. wide	6 in. wide	6½ in. wide	8 in. wide	10 in. wide	16 in. wide
24 in.....	\$0.35	\$0.40	\$0.40	\$0.50	\$0.60	\$1.00
30 in.....	.40	.45	.50	.60	.75	1.20
36 in.....	.50	.55	.60	.75	.90	1.50
42 in.....	.55	.65	.70	.85	1.05	1.70
48 in.....		.75	.80	1.00	1.20	2.00
54 in.....		.85	.90	1.10	1.35	2.20
60 in.....		.90	1.00	1.20	1.50	2.40
66 in.....		1.00	1.10	1.35	1.65	2.70
72 in.....		1.10	1.20	1.45	1.80	2.90

Larger sizes at proportionate prices.

PRICES OF PRINTING

Length of Print	5 in. wide	6 in. wide	6½ in. wide	8 in. wide	10 in. wide	16 in. wide
24 in.....	\$0.75	\$0.85	\$0.95	\$1.15	\$1.40	\$2.30
30 in.....	.90	1.05	1.15	1.40	1.75	2.80
36 in.....	1.10	1.30	1.40	1.70	2.10	3.40
42 in.....	1.25	1.50	1.60	2.00	2.45	4.00
48 in.....		1.70	1.85	2.25	2.80	4.50
54 in.....		1.90	2.05	2.55	3.15	5.10
60 in.....		2.10	2.25	2.80	3.50	5.60
66 in.....		2.35	2.50	3.10	3.85	6.20
72 in.....		2.55	2.75	3.40	4.20	6.80

Some subjects such as landscapes, marines, etc., are particularly effective when printed on Artura Carbon Green. No extra charge is made for prints on this paper.

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TERMS

ALL quotations are net except to dealers who carry our goods in stock. For the convenience of our customers we suggest they purchase from a dealer in photographic supplies, as by so doing they can effect a saving in both time and transportation charges.

FOLMER & SCHWING DIVISION

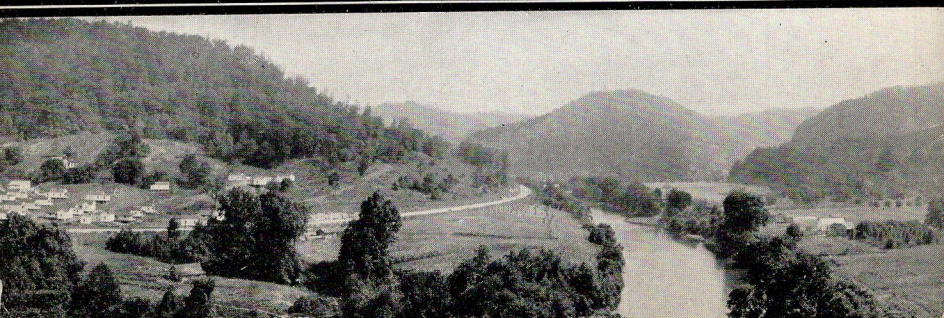
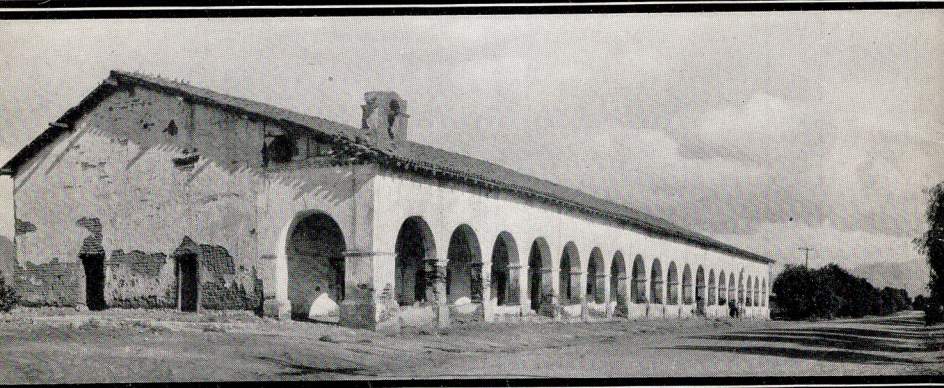
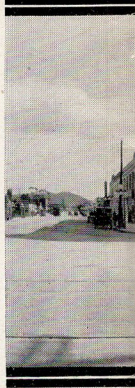
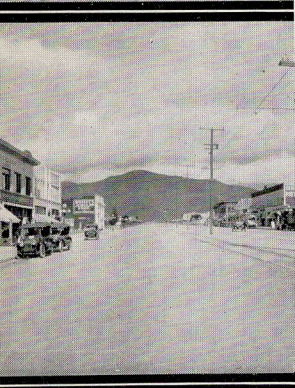
EASTMAN KODAK COMPANY

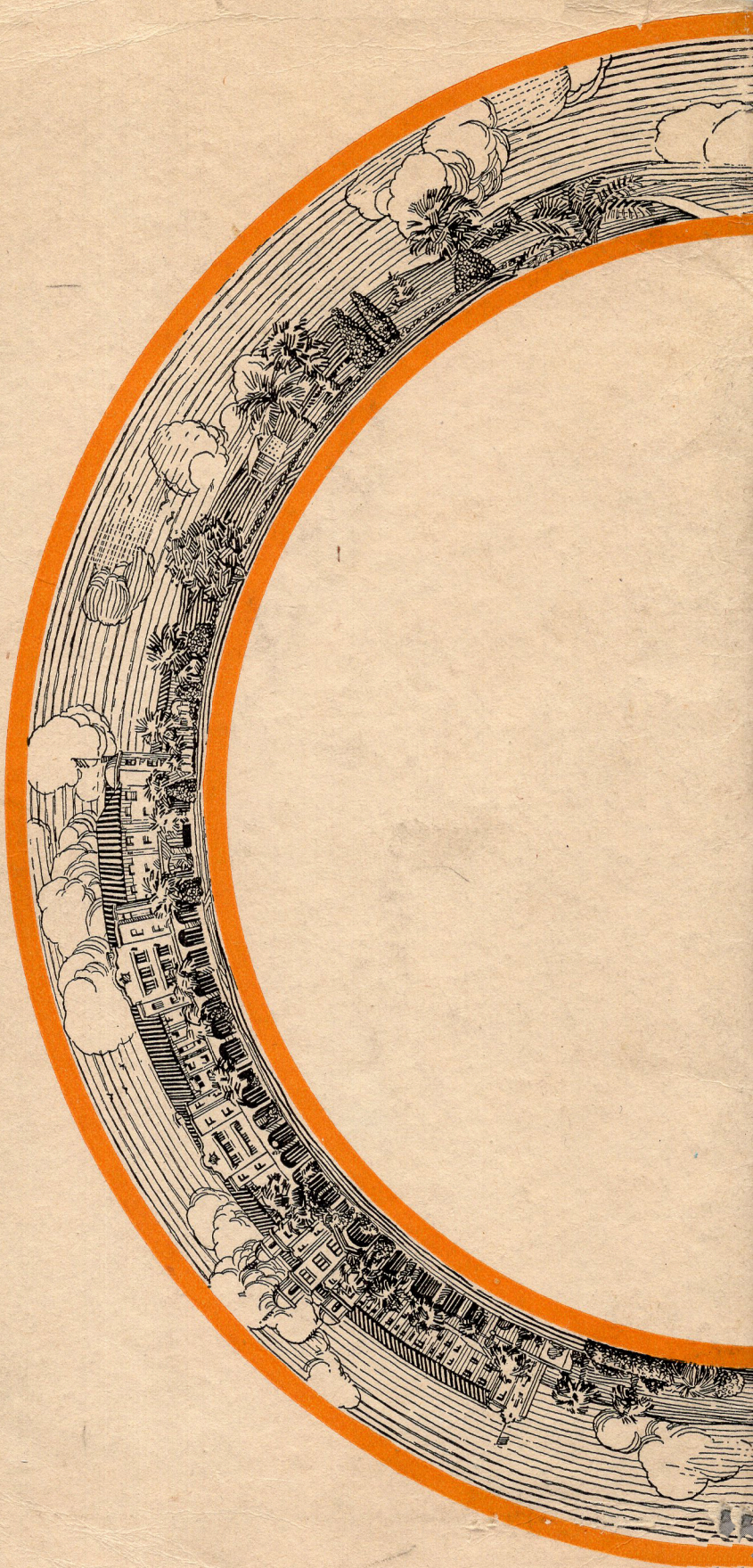
ROCHESTER, N. Y.



Folmer & Schwing Division

Eastman Kodak
Company
Rochester, N. Y.





REVISED PRICE LIST

CIRKUT CATALOG

Effective March, 1919. All prices subject to change without notice.

NO. 5 CIRKUT CAMERA,	
with Special Convertible R. R. lens.....	\$132.03
NO. 6 CIRKUT OUTFIT,	
with R. R. lens and shutter.....	179.87
with Turner-Reich lens, Series II, No. 2.....	230.85
NO. 8 CIRKUT OUTFIT,	
with R. R. lens and shutter.....	246.00
with Turner-Reich lens, Series II, No. 4.....	322.11
NO. 10 CIRKUT CAMERA,	
without lens and shutter.....	258.76
with Turner-Reich lens, Series II, No. 4.....	347.46
NO. 16 CIRKUT CAMERA,	
without lens and shutter.....	396.10
with Turner-Reich lens, Series II, <i>special</i>	571.19

The Cameras of the No. 6 and No. 8 Cirkut Outfits are provided with a Sole Leather Carrying Case. The Cirkut Outfit attachments are supplied with a Keratol Case.

Note—Cirkut Cameras and Outfits fitted with Turner-Reich lenses will be equipped with Auto Shutters instead of Regno Shutters.

CIRKUT PARTS WHEN SOLD SEPARATELY

Cirkut Camera Parts

	No. 5	No. 10	No. 16
Cirkut Camera with lens, but without Aluminum Tripod Top, Tripod or Carry Case.....	\$99.73		
Cirkut Film Box, only.....		\$124 00	\$175.00
Cirkut Aluminum Tripod Head.....	12.00	21.00	25.00
Set No. 2 Crown Tripod Legs.....	6.00		
Set Professional Tripod Legs.....		13.50	13.50
Sole Leather Case for complete No. 5 Outfit	13.50		
Sole Leather Case for Cirkut Camera only.....		15.00	18.00
Sole Leather Case for Cirkut Film Box... ..			15.00
Keratol Case for Aluminum Tripod Top, Tripod Legs and Gear Box.....		10.00	12.00

Cirkut Outfit Parts

	No. 6	No. 8
Cirkut Attachment, only.....	\$60.00	\$100.00
Cirkut Aluminum Tripod Head.....	13 00	17.00
No. 4 Crown Tripod with 6½ in. top.....	10.50	10.50
Wooden Gear Box.....	1.50	1.50
Keratol Case for Cirkut Outfit to hold Attachment, Aluminum Tripod Head, Tripod and Gear Box	5.00	6.00

When customers have lenses of suitable focal length which they wish fitted to Cirkut Cameras or Outfits, it is necessary for us to have the cameras and lenses in our possession so that the fitting can be accurately done. A charge will be made for this work, including the gears, focusing scales and photographic tests.

Prices of Cirkut Cameras and Outfits include the Excise War Tax.

Cirkut Printing Frames

6½ in. x 30 in.....	\$ 8.00	10 in. x 4 ft.....	\$11.75
6½ in. x 4 ft.....	9.50	10 in. x 6 ft.....	16.50
8 in. x 4 ft.....	10.75	16 in. x 6 ft.....	30.00
8 in. x 6 ft.....	14.25	16 in. x 10 ft.....	36.00
Century "12 Foot" Tripod, complete.....			30.00
Legs only.....			25.00

FOLMER & SCHWING DEPARTMENT

EASTMAN KODAK COMPANY

ROCHESTER, N. Y.