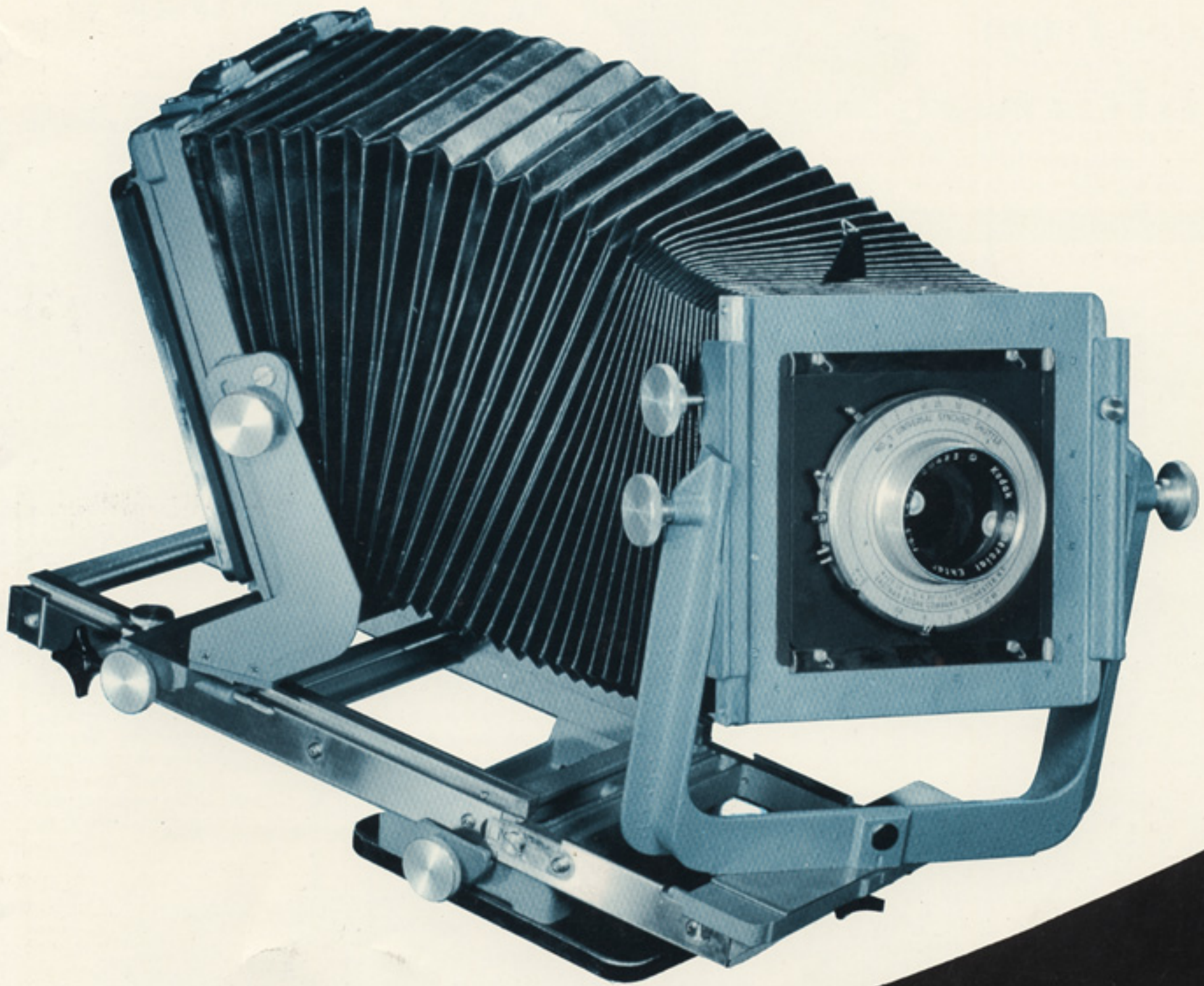


ISSUE OF JANUARY, 1965

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CAMERA AND LENS  
CATALOG  
for the  
PROFESSIONAL

Sold direct from Calumet Manufacturing Company, 6550 North Clark Street, Chicago, Illinois 60626 • Area Code 312, SHeldrake 3-2442 • Cable: Calcam Chicago



**professional  
cameras, lenses  
and accessories  
at factory-direct  
prices from  
Calumet**



**because we sell direct to you**

*W. B. Barber*  
PRESIDENT

**Personal Attention At The Factory** is yours by buying direct. Your camera and lens requirements may be discussed with experts, men who are photographers themselves and know the requirements of the professional.

**Calumet Has Two Divisions.** Our precision machine shops manufacture the well-known Calumet Cameras. They also furnish machined parts for our processing equipment. The sheet metal division has the most modern shaping and welding equipment available for photographic grade type 316 stainless steel.

**The Prices In This Catalog Are Factory-Direct.** Because we have no dealers or agents, our pricing represents maximum value direct to you.

**OUR WARRANTY:**

Calumet lenses and cameras are sold with a satisfaction guarantee. If, after a reasonable trial period, you are not satisfied we will either replace equipment or refund your money. Cameras, lenses, and accessories also carry our customary one-year replacement or repair warranty on defective manufacture and materials extending one year from date of purchase.



*Caltar lenses for view cameras are an example of factory-direct pricing. This 8 1/2" Caltar is \$135.00 in a full synchro shutter. A 14 3/4" Caltar lens for the 8x10" Calumet camera is \$180.00 in a full synchro shutter. These remarkable prices are backed by the full Calumet warranty and trial period on Caltar lenses.*

**METHOD OF PAYMENT:**

- 1.** C.O.D.— full satisfaction guarantee.
- 2.** Cash With Order — A 2% discount is granted for cash sales.
- 3.** Open Account on Your Dun & Bradstreet Rating — 1% discount if paid within 10 days, net 30.
- 4.** Extended Payment on Amounts of \$1,000.00 and Over — write for details on this payment plan.

**Shipping Point:** F.O.B. our plant, Chicago, Illinois

**Time for Delivery:** Cameras, lenses and accessories are in factory stock. Normal shipment is via REA or United Parcel.

**To Order, write or call:**

**Calumet** MANUFACTURING COMPANY

6550 NORTH CLARK STREET • CHICAGO, ILLINOIS 60626  
AREA CODE 312: SHeldrake 3-2442 CABLE CALCAM, Chicago



Write for: Calumet Photographic and Graphic Arts Equipment Catalog; the complete darkroom catalog has full planning and price information for both color and black-and-white processing.

All stainless steel sinks, film and print processors, tanks, temperature control devices, mixing and measuring equipment, dark-room equipment for photography and the Graphic Arts.

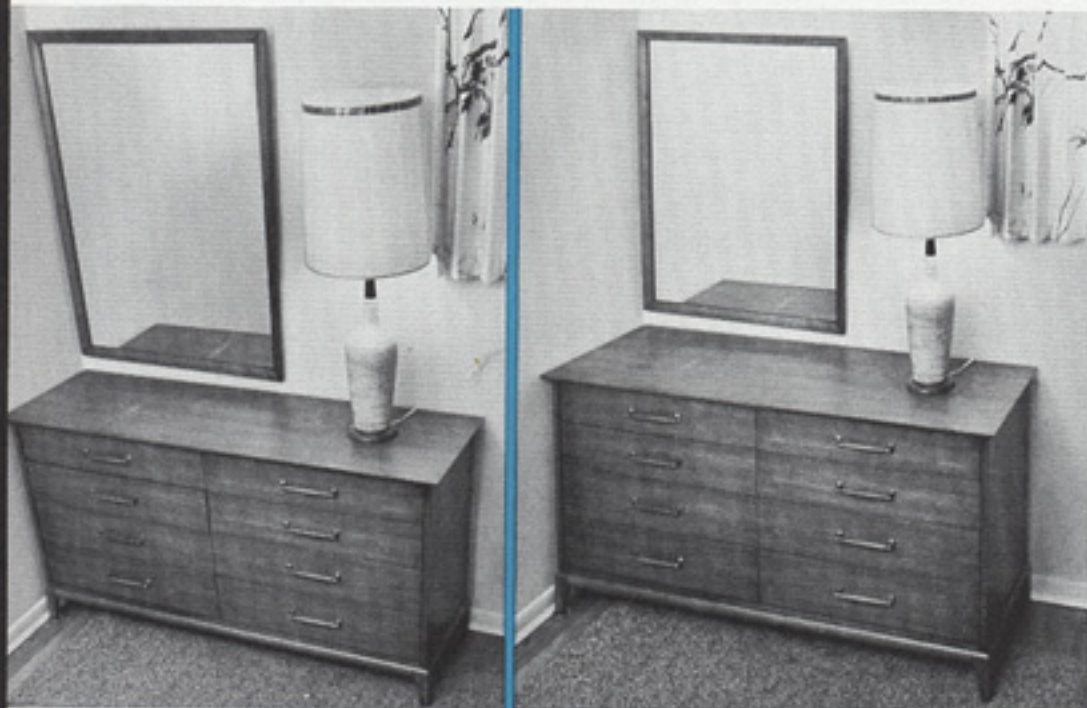




# 4x5 CAMERA

## truer perspective control with CALUMET VIEW CAMERAS

Swings and tilts in a view camera are used to control perspective. The idea is to keep the film parallel with the subject. Otherwise, lines of the subject not parallel will tend to converge and thus appear unnatural in the final photograph.



Extreme distortion is the result of a 90mm wide angle lens used without corrective swings and tilts at a distance of about 8 feet. Since the top of the mirror is closer, the lines appear distorted. In looking at an object your eye makes these corrections automatically. A camera cannot do this without the help of corrective swings.

The same camera position but with considerable camera swing. The film is now almost parallel with the subject. The front of the camera is parallel with the back so that all is in sharp focus. Full camera swings were not used since a partial swing in this instance allowed a sharper focus on both foreground and background.

Even a 90mm lens close to the subject may be used with swings and tilts, despite a severe down angle and a  $\frac{3}{4}$  view of a difficult subject the camera back is brought reasonably parallel with the horizontal and vertical lines of the subject. The recessed lensboard allows greater adjustment of wide angle lenses by reducing bellows compression.

Swings, illustrated, eliminated all distortion and produced the correct photograph shown above. The same camera position and lens were used.



The Calumet View has full adjustments for horizontal and vertical correction, full rise and fall, plus many refinements such as lateral shift both front and back. The camera is well known for its ease of operation. Adjustment is on the optical axis for ease in focusing. The center of the ground glass image remains sharp during camera adjustments. Ball bearing click stops indicate neutral or "aligned portions" of all adjustments. The 360° rotating back and frame release handle for fast insertion of film holders are only a few of the many features that contribute to a smooth working professional camera.

### GROUND GLASS COMPOSITION PLUS WIDE LENS SELECTIONS FOR FULL IMAGE CONTROL

65mm  
(Wide Angle)  
Lens



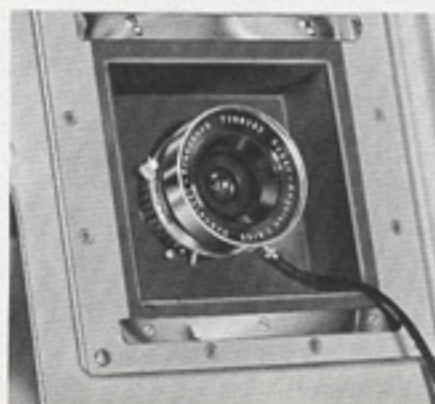
150mm  
Lens



210mm  
Lens

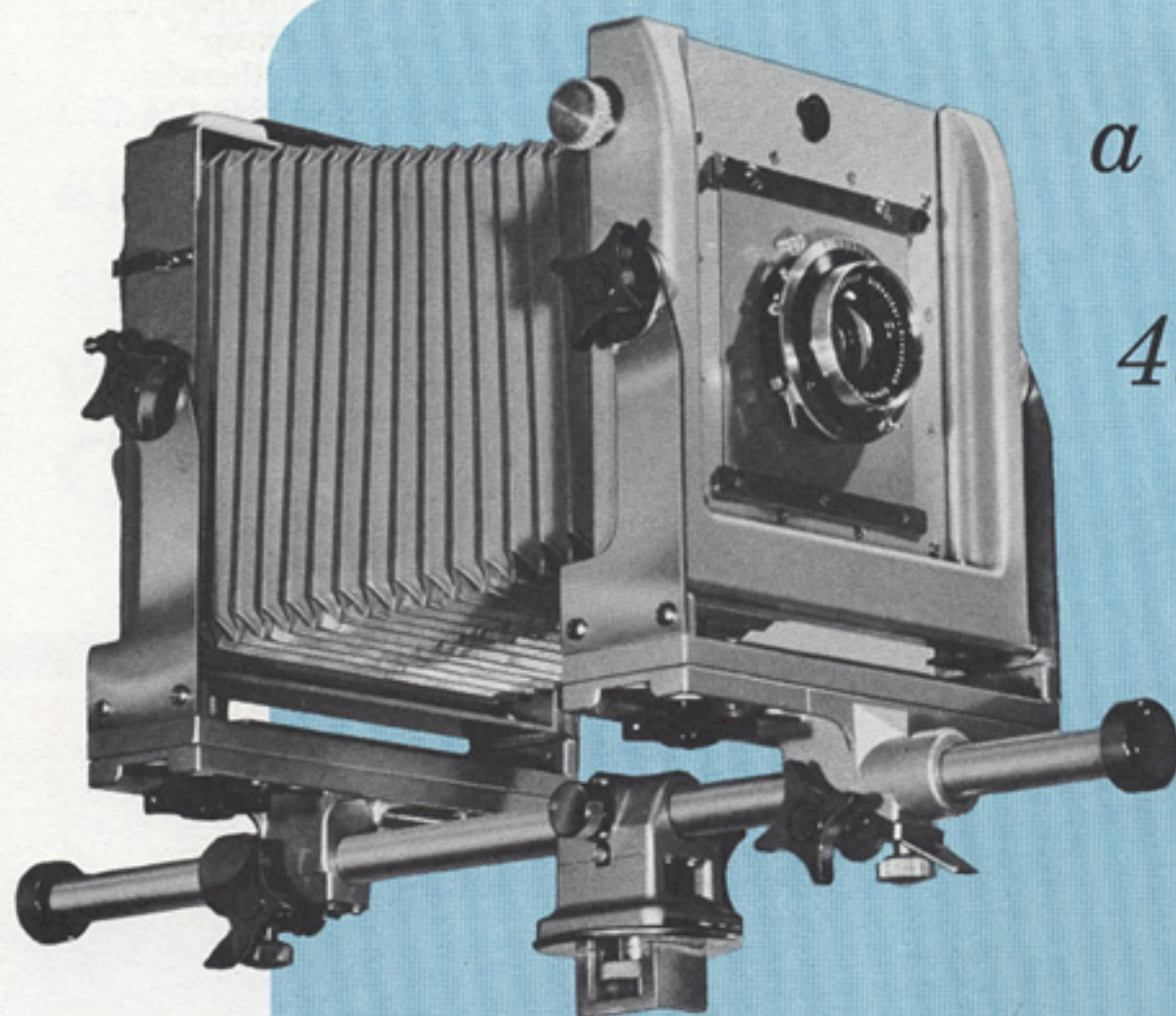


Control of image size on the camera ground glass through lens selection makes the Calumet View highly versatile. From the extreme 65mm lens handling about 100° of angle to the normal 6" and 8½" lenses, the precision of the Calumet focusing system permits maximum sharpness.



An accessory super recessed lensboard has a full 1½" recess to bring lenses as short as 65mm into focus. The recessed lensboard can also be used for extra camera swing with the popular 75mm and 90mm wide angle lenses.





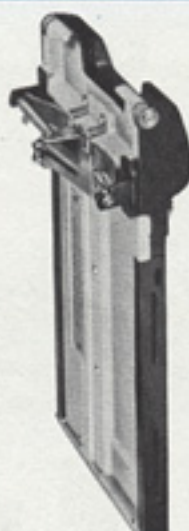
## *a remarkable, precision 4x5" CAMERA*

The camera is beautifully finished with grey bellows and light grey body paint. The unique focusing system remains tight and aligned after years of heavy usage. Features such as accurate spirit levels for both horizontal and vertical, quick release levers on focusing drives for rapid opening and closing, positive locking, and optical axis swings make the Calumet Camera a leader throughout the world.

### UNMATCHED AS A RECORDING INSTRUMENT



Sheet  
Film



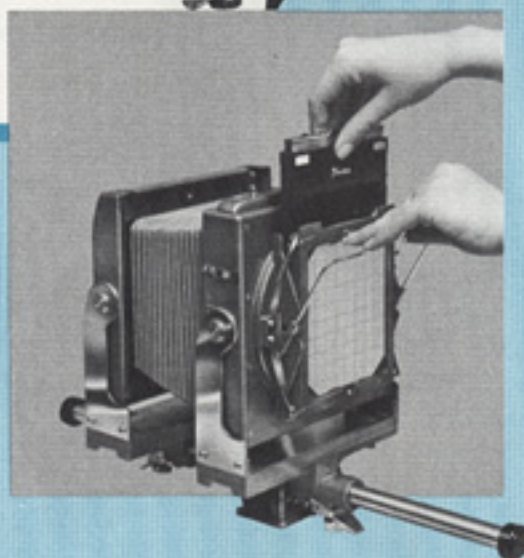
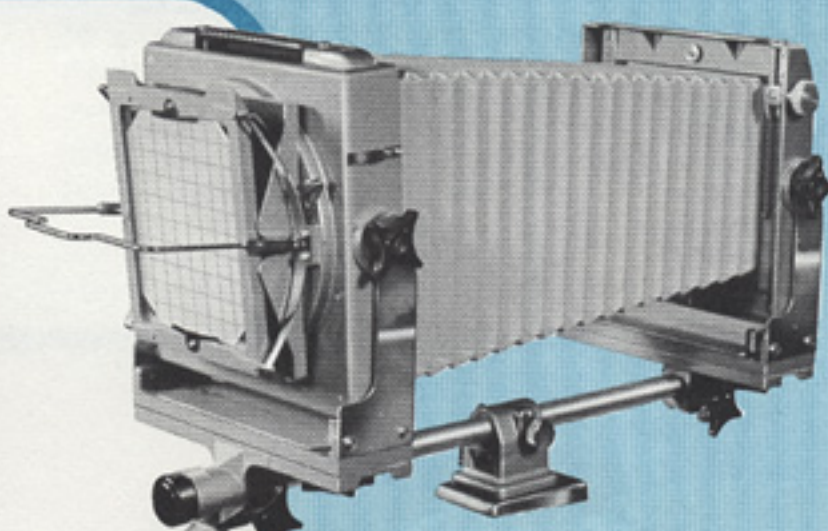
Polaroid  
Film



Roll  
Film



Sheet Film  
Magazine



The normal CC-400 view camera with 16" bellows is ideal for both general photography and copy work. You can obtain greater than 1:1 magnifications with a 150mm (6") lens. Slip in a Polaroid Film Holder and the camera will produce a good print plus an excellent re-useable negative (depending on the Polaroid Film selected). This is ideal for providing a print for artist's layout. The Calumet Roll Holder uses regular 120 or long length 220 film. It slips in like a regular film holder. Other popular accessories are available, such as the Grafmatic film magazine or film pack adapter.

The frame release handle allows insertion of film holders without moving the camera. The unique Calumet back rotates 360° for alignment of subject or fast changes from horizontal to vertical. Click stops indicate aligned position.



*condensed  
specification  
4x5"  
view  
camera*

Materials: Stainless steel, die cast aluminum alloy, chrome steel working parts.

Vertical Swing: (front and back)—30°

Horizontal Swing: (front and back)—12°

Rising and Falling Front: 3" up, 1" down

Horizontal Slide: (front and back)—7/8"

Revolving Back: 360°

Minimum Extension: Lensboard to film—3 3/4"

Minimum Extension: With recessed lensboard—2 1/2"

Maximum Extension: CC-400 Camera, 16", on 20" Monorail  
CC-401 Camera, 22", on 26" Monorail

Adjustable tripod block, quick release lever on front and rear focusing for rapid setup, focusing locks, horizontal spirit level, vertical spirit level, focusing cloth clips, 4 x 4" lensboard, all swings and tilts on optical axis, positive continuous action focusing system front and back.

**PRICES / CALUMET 4x5" VIEW CAMERAS AND ACCESSORIES**

**4 X 5"  
VIEW  
CAMERAS**

Model CC-400 Standard Camera, 16" Bellows\* ..... \$ 89.95

Model CC-401 Long Focus Camera, 22" Bellows\* ..... \$114.95

\*One 4 x 4" lensboard is included with each camera.



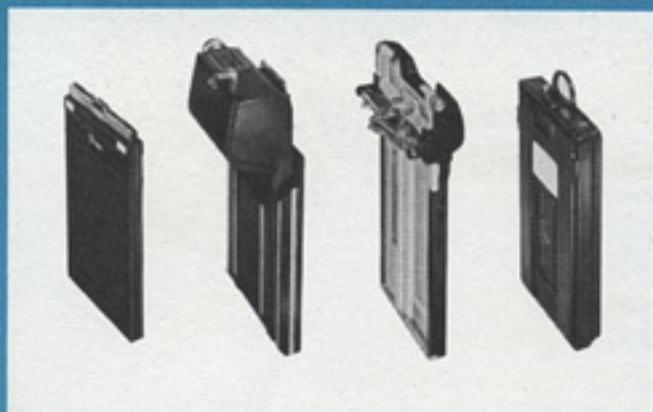
**CARRYING  
CASES:**

Grey, high impact fibre case. Lined with felt. Partitions to accommodate camera holders and accessories, 9 1/4" x 12 3/4" x 2 1/2".

Model CC-410 Case for 16" Bellows Camera ..... \$20.00

Model CC-411 Case for 22" Bellows Camera ..... \$25.00

Model CC-427 Focusing Cloth, 36" x 48" for View Camera... \$ 2.50



**FILM HOLDERS:**

Model CC-422 4 x 5" Lisco Film Holder, cast aluminum frame. Rapid loading. Superior accuracy of manufacture for maximum image sharpness ..... \$ 3.15

C-2 Calumet Roll Holder for 120 or 220 film. Furnished with mask for camera ground glass ..... \$48.00

CC-425 Polaroid-Land Film Holder. Produces a 4 x 5" print ideal for checking setups, or an excellent re-useable negative using Polaroid Film and print material ..... \$42.00

CC-429 Grafmatic Film Holder holds six 4 x 5" sheet films ..... \$32.00

**EXTRA LENSBOARDS**

**NOTE:** Lenses purchased from Calumet will be properly mounted in a Calumet lensboard at no extra charge. This Calumet service applies to lenses purchased with cameras or individually.

Model CC-420 extra 4 x 4" lensboard for Calumet 4 x 5" camera ..... \$3.50

Model CC-426 Graphic lensboard adapter allows usage of Speed Graphic lensboards in Calumet cameras. .... \$9.95

Model CC-428 Extra Super Recessed lensboard. \$7.50

**SPECIAL CAMERA AND LENS COMBINATIONS**

On lenses purchased with cameras and mounted in camera lensboards at the time of purchase, Calumet offers special prices. These apply *only* to these camera and lens combinations. All prices include mounting of lenses.

Model CC-400 Camera with 150mm (6")  
Schneider Symmar in Compur synchro shutter ..... \$235.00  
with 210mm (8 1/4") Schneider Symmar in Compur synchro shutter ..... \$258.00  
with 215mm (8 1/2") Calumet Caltar in Acme full synchro shutter ..... \$225.00

Model CC-401 Camera with 150mm (6")  
Schneider Symmar in synchro Compur shutter ..... \$260.00  
with 210mm (8 1/4") Schneider Symmar in synchro Compur shutter ..... \$283.00  
with 215mm (8 1/2") Calumet Caltar in Ilex full synchro shutter ..... \$250.00

FOR A COMPLETE LISTING OF LENSES SEE PAGES 8-11



# Calumet

## *ROLL FILM HOLDER*

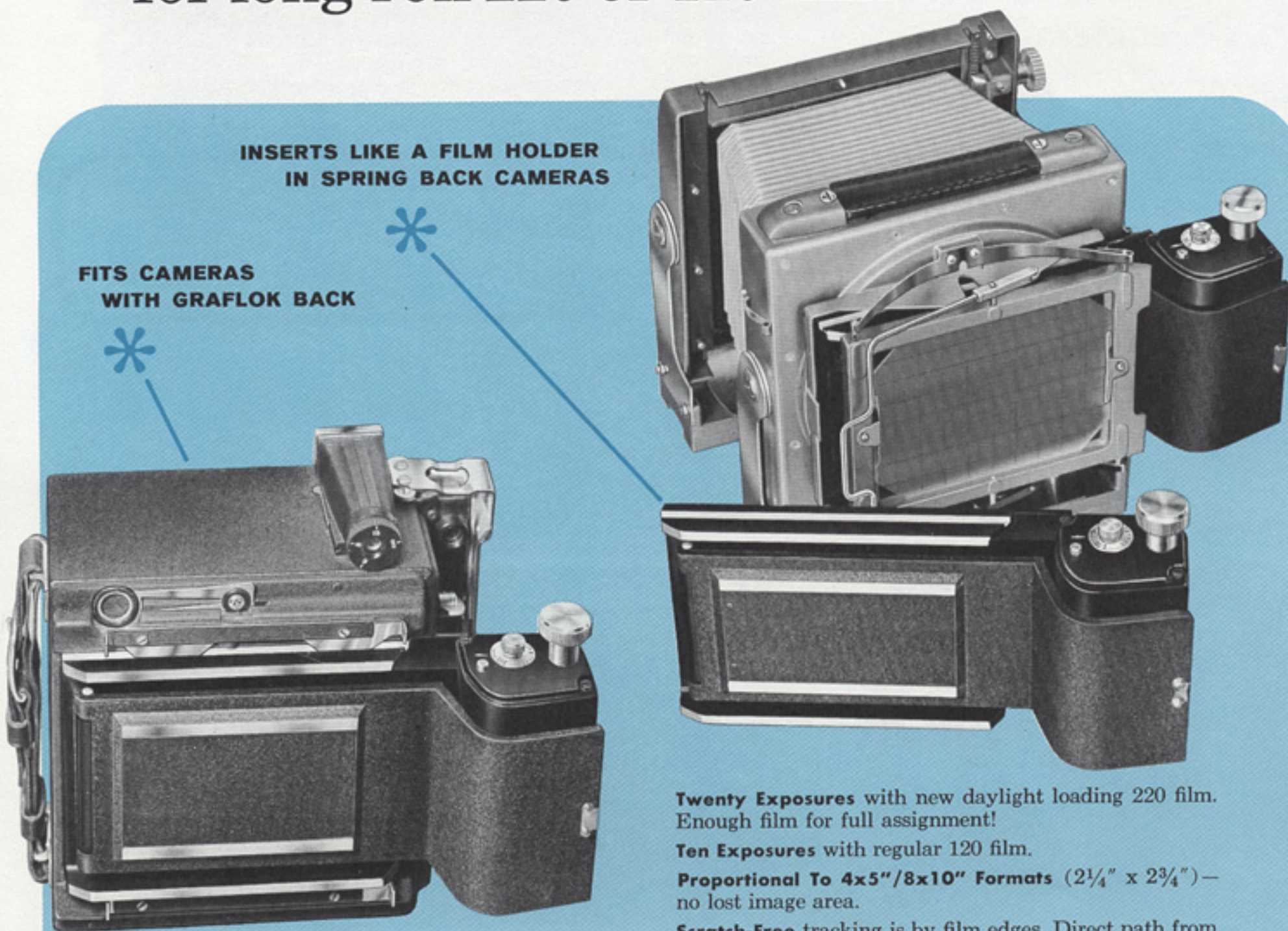
for long roll 220 or 120 film

MODEL C-2

**\$48**

INSERTS LIKE A FILM HOLDER  
IN SPRING BACK CAMERAS

FITS CAMERAS  
WITH GRAFLOK BACK



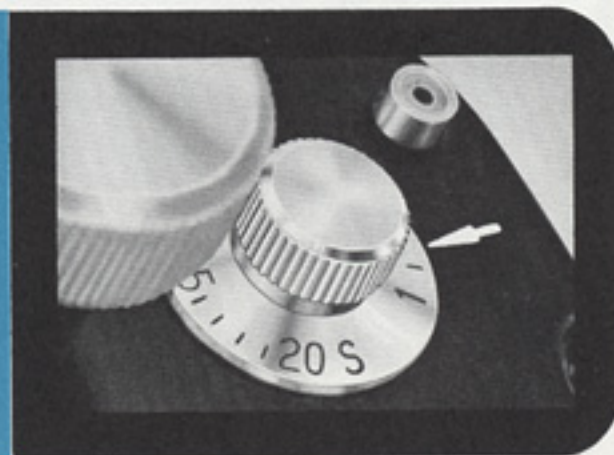
**Twenty Exposures** with new daylight loading 220 film.  
Enough film for full assignment!

**Ten Exposures** with regular 120 film.

**Proportional To 4x5"/8x10" Formats** ( $2\frac{1}{4}" \times 2\frac{3}{4}"$ )—  
no lost image area.

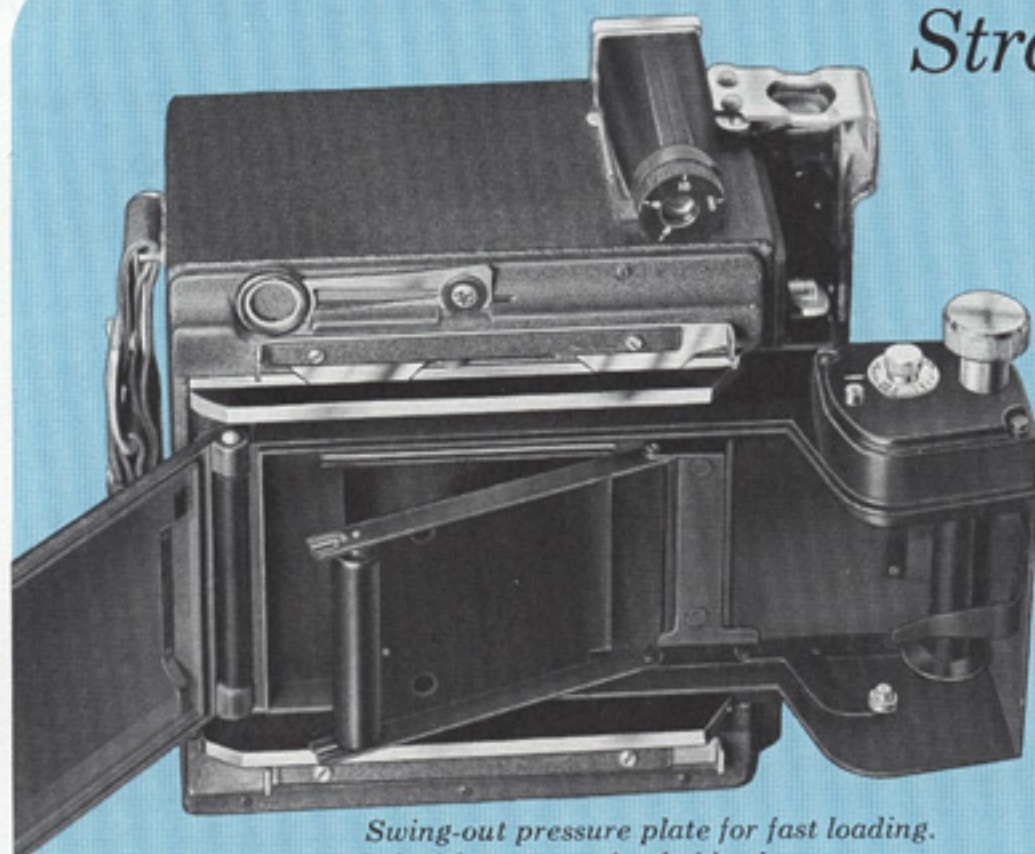
**Scratch-Free** tracking is by film edges. Direct path from  
supply spool to aperture. Better film flatness for sharper  
pictures.

An automatic film counter gives twenty exposures with 220 film or ten exposures with regular 120 film. The film stops after each frame. Press a release button and the film may be advanced to the next frame. The film winding knob has a clutch action (like a watch). Gearing in the counter allows a smooth film transport without binding or scratching.





# Straight Line Path from Supply to Aperture



Swing-out pressure plate for fast loading.  
Film may be loaded without removing holder from camera.

## Easier Loading . . . Sharper Images

A straight line path from supply spool to aperture gives improved film flatness and protection against scratching. The film emulsion is *never touched*. The absence of sharp bends or reverse curls before the aperture eliminates film flattening rollers, often a source of emulsion scratching in roll film cameras.

**Machined guides** hold the film edges. The film back is lightly supported against a pressure plate. This plate flattens the natural curl of the emulsion. Film is then supported by the edges along machined ridges. The emulsion never touches in the image area. The return to the supply spool is emulsion out around a large roller. Edge guides produce a smooth, firm film roll-up. A combination of proven techniques . . . straight line film path to aperture, edge tracking, and clutch action film drive result in an outstanding roll holder that protects delicate film emulsions.

## more exposures with 220 film made for Calumet roll holder



Daylight loading with either 120 or 220 rolls. Film counter automatically runs off paper leader after arrows on backing paper are aligned with windows in pressure plate.

**Wedding Candid:** Two holders, one with Ektacolor S220 film for twenty exposures, and a second holder loaded with Tri-X allow full coverage without missed pictures. The roll holder does not interfere with view or range finders on hand cameras.

**Portraiture or Child Photography:** The rapid film advance requires no attention. The  $2\frac{1}{4}'' \times 2\frac{3}{4}''$  image can be retouched; it enlarges to  $8'' \times 10''$  without image loss. The twenty-exposure 220 rolls are enough for a full sitting. The film is low in cost, easy to process and print.

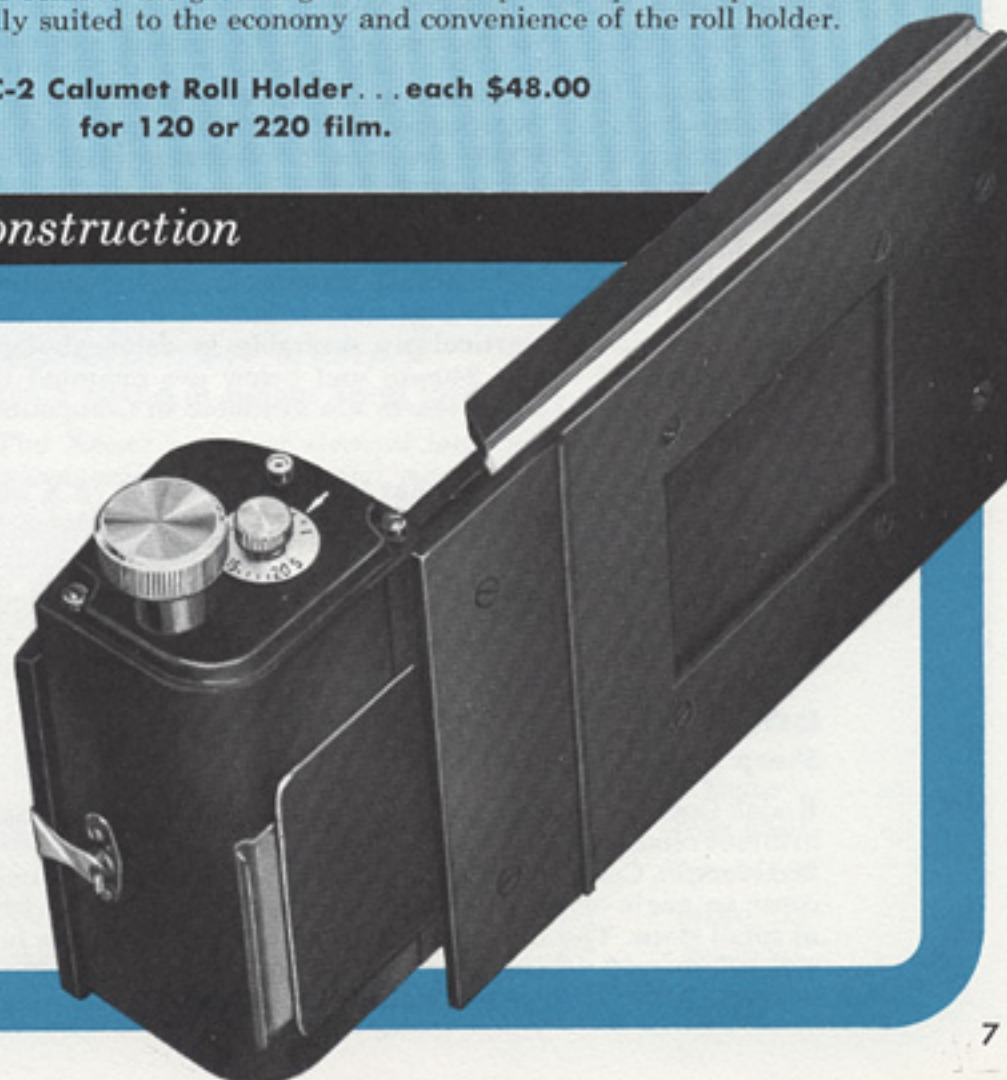
**Illustration:** The camera ground glass stays in place. You can set up camera swings, compose the picture, and insert a roll holder without having to remove the ground glass back. Repetitive product pictures are ideally suited to the economy and convenience of the roll holder.

**Model C-2 Calumet Roll Holder . . . each \$48.00**  
for 120 or 220 film.

## Strong Die Cast Aluminum Construction

All metal construction of high precision die castings will take rough treatment. Sealed film advance and counter mechanism with hardened steel gearing for accurate spacing and long life. The film advance computes proper spacing for either 120 or 220 film. Legible film counter. Each frame is automatically positioned. Release button allows advance to next frame. A ground glass mask is provided with each roll holder indicating the  $2\frac{1}{4}'' \times 2\frac{3}{4}''$  format. View finder masks for hand cameras showing this format are available from the camera manufacturer.

**Ground glass mask included with each holder.**  
**Twenty exposures with 220 film.** (ten on 120 film)  
**Inserts like a sheet film holder.**  
**Metal darkslide for fast holder exchange.**  
**Fits all ASA standard sheet film cameras.**  
**Grooved for Graflok back locks.**





# Lenses for View



## SCHNEIDER SYMMAR

**Maximum sharpness for cameras with swings and tilts**

The Symmar is a six element symmetrical lens. It combines the high degree of sharpness needed in commercial optics with a maximum angular coverage for camera adjustments. At maximum aperture these f5.6 lenses cover an arc of 65°. The coverage increases to 70° below f22. The Symmar is, therefore, ideal for view cameras where lenses are frequently moved from the optical center of the film. Symmars produce very crisp negatives. This greater brilliance and superior color correction is particularly desirable in color photography. Symmar lenses 240mm and below are mounted in Compur shutters. Longer lenses are available in Compound shutters.

**Convertible**—Schneider Symmar lenses convert to 1.75 X the normal focal length by removing the front set of elements. The converted f/stops are engraved on the shutter mount. Converted focal lengths are: 135mm = 235mm; 150mm = 265mm; 210mm = 370mm. Focal lengths above 150mm should be used on a 22" bellows for conversion.

## COMMERCIAL EKTAR

**Sharp and brilliant for long focal lengths**

Kodak Commercial Ektar lenses are preferred for their crisp, brilliant rendering in distances from infinity to about 4 X the focal length. Commercial Ektars have an f6.3 aperture. They cover an angle of 53° at full aperture. This increases to 64° at small stops. The 12" and 14" Ektars are very desirable for 8 x 10" format cameras and are furnished in full synchro shutters. They are frequently used in color portraiture when

A view or "technical" camera is designed for control of the image and correction of distortion. Since the lens is frequently moved off the center from the film, a maximum of film area must be covered by the lens. With maximum coverage, negatives will be sharp right to the edge, even with full swings and tilts.

Calumet mounts lenses at no extra charge. All lenses we sell are new. All lenses carry our replacement or refund warranty.

**Coverage and Perspective.** Perspective is governed by the distance of camera from the subject. Proper perspective is defined as a natural appearing or pleasing rendition of the object being photographed without undesirable perspective distortion. The lens used must, therefore, produce a sufficiently large image at the optimum working distance determined for perspective.

**Characteristics of Preferred Focal Lengths.** Certain focal lengths have long been preferred for an optimum combination of coverage and perspective. On the 4 x 5" format, the 6" (150mm) lens is considered for interiors, groups, and object photography where camera working distances are restricted.

A 215mm (8½") lens allows a very satisfactory camera working distance for pleasing perspective in photographing objects, for portraiture, and exteriors where camera working distance is not a problem. For example, an average head and shoulder portrait may be taken at 14 feet. The 8½" lens is recommended for photographs of buildings when sufficient camera working area is available. It is frequently used for advertising illustration.

The 8½" Caltar lens is a good choice of optics for general photography where a wide range of subjects from portraits to illustration will be encountered. For example, the 8½" Caltar lens produces a circle of sharpness of about 9" at

## WORKING



SCHNEIDER SYMMAR

both sharpness and color corrections are desired. The 14" Commercial Ektar is moderately priced considering its long focal length and is recommended for excellent perspective in commercial illustration.

## REPRO-CLARON

**Process lens for sharpness in close-up photography**

Commercial lenses such as Schneider Symmars are converted for maximum sharpness from about 10 feet to infinity. The Schneider Repro-Claron lens is designed for great sharpness closer than 10 feet. It also furnishes maximum color correction in normal studio distances and is frequently used where color rendering and freedom from distortion must be the best obtainable.

Technical closeups, accurate reproduction of small components as well as botanical or medical photography require this lens. It is outstanding for flat copy. The Repro-Claron has a narrower angle of coverage (46°). When camera swings are anticipated, the Repro-Claron should be purchased in a longer-than-normal focal length.

continued in next column



F/22. This would cover any possible swing on the Calumet 4 x 5" camera. The 6" Schneider Symmar has a wide field of view and covers an 8 1/4" circle at F/22. This shorter lens will cover all but the most extreme camera adjustments.

8" to 9" focal lengths are those most frequently used for corrective photography, illustration and portraiture on 4 x 5". (For purely portraiture a 12" lens is also a favorite choice.)

**Normal Lenses for an 8 x 10" Camera** may range from the 240mm Symmar to a 14" Commercial lens. The 12" (300mm) "wide field" lens such as the Schneider Symmar is frequently preferred for all-around work on the 8 x 10" format. The 14" Commercial Ektar or the 14 3/4" Caltar lenses produce an excellent perspective on 8 x 10" film for illustration and are widely used for this purpose.

**Wide Angle Lenses.** The shortest focal length available to cover a 4 x 5" plate is the 65mm Super Angulon. The angle of view is approximately 100°. A 65mm lens permits only limited camera adjustments.

A 75mm or 90mm wide angle lens allows full camera movements, yet still produces a wide enough angle of view for camera work in tight spaces.

A 121mm extreme wide angle lens on an 8 x 10" camera is roughly equal to the extreme wide angle of a 65mm lens used on 4 x 5". The 165mm wide angle lens is frequently preferred in order to utilize camera movements.

**Image Circle.** The image circle produced by lens at infinity focus must be equal at least to the diagonal of the film for absolute edge to edge coverage. Some compromises on this general rule are allowable when using wide angle lenses, when lenses will be stopped down, or used in close-up photography.

continued in next column

## IMAGE CIRCLE

Diameter of Image	2 1/4" x 3 1/4" = 100mm
Circle Needed to	4" x 5" = 161mm
Cover Diagonal	5" x 7" = 219mm
of Negative	8" x 10" = 323mm

## THE RIGHT LENS FOR THE JOB

There is no one "correct" lens for all jobs. The selection of a lens depends on the shooting room available, size of the subject, format of the camera, and amount of permissible distortion. The lenses listed below reflect a consensus of professional photographers plus Calumet's own photographic staff.

A basic set-up to cover almost any assignment would be as follows:

### LENSES FOR 4X5" CAMERAS:

Groups, interiors, limited room product pictures—150mm 6" Symmar.

Product Illustration, exteriors, portraits, plus distortion control with full swings and tilts—215mm 8 1/2" Caltar or 210mm 8 1/4" Symmar.

Portraits, scenics with a long lens, improved perspective in small object photography—254mm (10") or 305mm (12") Caltar, 12" (300mm) Commercial Ektar.

Extreme wide angle of about 100°—Super Angulon 65mm.

Normal "wide" angle. Still wide angle but less distortion of near objects—75mm or 90mm Super Angulon.

### LENSES FOR 8X10" CAMERAS:

14" Commercial Ektar or 14 3/4" Caltar lens (the 14" lenses do a better job of covering full swing)—165mm Super Angulon for wide angle.

**For the Sharpest Lens:** The sharpest lens we have ever seen or tested for near focus subjects from 1:10 to 1:1 and closer is the Repro Claron. This is a process lens corrected for flat field, near focus. It has a narrow angle of view and slow speed (f/9) you need at least a 210mm (8 1/4") or 305mm (12") to cover swings on 4x5". The 14" (355mm) or preferably the 16 1/2" (420mm) are suggested for 8x10".

## CHARACTERISTICS OF OPTICS



REPRO-CLARON



SUPER ANGULON

By using entirely new types of optical glass of varying secondary spectrums, Schneider has achieved a remarkable standard of color correction in these process lenses. The improvement in sharpness at close working distances is noticeable.

Suggested Focal Lengths	1:10 Image Circle Diameter	Angle of View	Shutter
Repro-Claron F/9 lens			
210mm (8 1/4") 4 x 5"	192mm	46°	Compur M/X
305mm (12") 5 x 7"	277mm	46°	Compur M/X
355mm (14") 8 x 10"	327mm	46°	Compur X
420mm (16 1/2") 8 x 10"	385mm	46°	Compound E/X

\*Note—As subject/camera decreases toward 1:1, more film area is covered thereby allowing more camera adjustments. The image circle diameter listed is at image size: subject size ratio of 1:10. The 305mm Repro-Claron on a CC-401, 22" bellows camera is ideal.

### SUPER ANGULON

#### Maximum sharpness for wide angle

The Super Angulon wide angle lens gives a 100° angular coverage even when wide open at f/8. The crispness of nega-

tives exposed with the Super Angulon lens is noticeable. Optimum sharpness and brilliance are held from edge to edge of the negative. The 65mm Super Angulon is used for extreme wide angle on the 4 x 5. The 90mm lens is used for wide angle plus camera movements. Both the 65mm and the 90mm lens should be mounted in the Calumet super recessed lensboard. The 165mm Super Angulon for 8 x 10" cameras is mounted in a flat lensboard.

### SCHNEIDER XENAR

#### f/4.5 speed in longer focal lengths

The Xenar is a four element lens noted for its high light transmission, brilliance and snap. It is frequently used in color portraiture where extensive camera swings are not anticipated. When stopped down to f/22 the f/4.5 Xenar covers a 62° angle of view. The lens has a f/4.5 maximum aperture. Due to the size of this lens, the 240mm focal length is the largest that can be mounted on a 4 x 5" camera. The longer lenses are used on an 8 x 10" camera.

Xenar Focal Length	Maximum Image Circle at f/22	Angle Of View	Shutter
150mm (6") 4 x 5"	190mm	45°	Compur M/X
180mm (7 1/8") 4 x 5"	217mm	45°	Compur E/X
210mm (8 1/4") 4 x 5/5 x 7"	253mm	45°	Compur E/X
240mm (9 1/2") 5 x 7"	282mm	45°	Compound
300mm (12") 8 x 10"	363mm	45°	Compound





# the Caltar\* Lens

*A Brilliant  
Commercial Lens for  
Product Illustration,  
Portraiture,  
Color Transparencies*

The Caltar Commercial lens is ground to a modified Tessar type formula for use on the Calumet View Camera. Highly corrected for color and free from curvature of field, the Caltar is ideal for illustration in color on black and white. It has a very high light transmission, exhibits exceptional subject contrast, and delivers crisp edge sharpness (acutance) for brilliant results. The 8½" Caltar lens will cover any swing or tilt on the 4x5 inch Calumet View Camera, sharply from edge to edge.

The purpose of the Caltar lens ground under our supervision is to provide a top grade commercial lens in a first rate shutter at the lower Calumet direct from the factory prices.



The Caltar lenses are made with careful quality control from rare earth glass. A fully equipped, modern lens plant has the Abbe Refractometers, spherometers, lens test benches and coating facilities to insure that only the finest in lenses are produced.

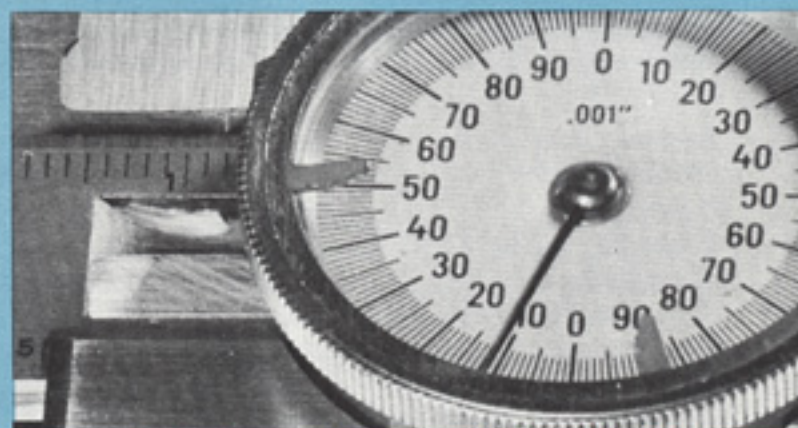


Shutters are carefully checked on electronic equipment. Accuracy equals or exceeds American Standard tolerances at all shutter speeds. These strong professional shutters will withstand hard usage. The flash synchronization is adjustable for either electronic or conventional flash at all shutter speeds. The Caltar lens and shutter accepts the Calumet air shutter release. This allows vibrationless tripping of the shutter at distances up to twenty feet off camera. All shutters have positive press focus.



Brilliant edge sharpness is characteristic of the Caltar lens. High light transmission plus the crisp tonal separation of the modified tessar formula results in negatives with more apparent detail. The sparkle is ideal for the commercial illustrator who requires maximum detail in both highlight and shadow without having to resort to a degraded or flat print.

Unretouched photos



Great enlargement shows the clearly detailed highlights as defined by the Caltar lens. This brilliant lens produces negatives that hold their appearance of sharpness even under great enlargement. Detail remains clearly defined without a loss of contrast between adjacent tones.



## CALTAR LENSES SOLD WITH FULL SATISFACTION WARRANTY

You may purchase a Caltar lens for evaluation with full return privileges within a reasonable trial period. The warranty against defects of workmanship and materials on both lens and shutter extends for a full year after purchase.

### CALTAR LENS PRICES

CATALOG NUMBER	DESCRIPTION	SHUTTER	PRICE
L-111	215mm (8½") Caltar f/6.3	No. 3 Acme M/X	\$135.00
L-113	254mm (10") Caltar f/6.3	No. 3 Acme M/X	\$165.00
L-115	305mm (12") Caltar f/6.3	No. 4 Acme M/X	\$175.00
L-118	375mm (14¾") Caltar f/6.3	No. 5 Universal M/X	\$180.00

## SHUTTER SPECIFICATIONS FOR CALTAR LENSES

		Available with Caltar Lenses	Filter Adapter Ring Size	Operation	Diameter	
					Shutter	Mount Ring
No. 3	T, B, 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/150	8½" (215mm) 10" (254mm)	VII	Cock and release blade arrestor press focus	3¾"	1½"
No. 4	T, B, 1, 1/2, 1/5, 1/10, 1/25, 1/50, 1/150	12" (305mm)	VIII	Cock and release blade arrestor press focus	5"	3¼"
No. 5	T, B, 1, 1/2, 1/5, 1/10, 1/25, 1/50	14¾" (375mm)	No. 91	Self cocking with blade control lever for focusing	5"	3¼"

Maximum aperture f/6.3

Minimum aperture f/45

## LENS PRICES FROM CALUMET

Calumet tests and uses the lenses sold. We list only those lenses that reflect quality. Calumet sells under a full satisfaction warranty, therefore, we sell only the best.

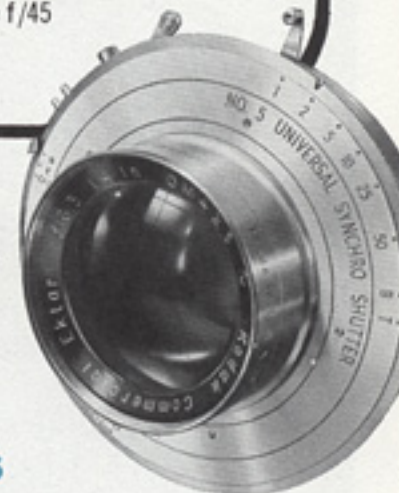
Lenses purchased either with, or for a Calumet Camera will be properly mounted in any lensboard at *no extra charge*. Charge for mounting customers lens \$7.50.

We carry a large stock of all popular focal lengths for immediate delivery. Special or one-of-a-kind lenses are obtained via air direct from the lens manufacturer.

### LENSES FOR GENERAL PHOTOGRAPHY, ILLUSTRATION OR PORTRAITURE

CATALOG NUMBER	DESCRIPTION	SHUTTER	PRICE
L-101	80mm f/2.8 Xenotar. Ideal for 2¼" x 2¾" format.	Compur M/X	\$168.00
L-102	100mm f/2.8 Xenotar	Compur M/X	\$203.20
L-103	135mm (5¼") Symmar, f/5.6	Compur M/X	\$124.00
L-104	150mm (6") Xenar, f/4.5	Compur M/X	\$107.20
L-105	135mm (5¼") Xenotar, f/3.5	Compur M/X	\$190.40
L-106	150mm (6") Symmar, f/5.6	Compur M/X	\$151.20
L-107	150mm (6") Xenotar, f/2.8	Compur E/X	\$344.00
L-108	180mm (7½") Symmar, f/5.6	Compur M/X	\$157.60
L-109	180mm (7½") Xenar, f/4.5	Compur M/X	\$172.00
L-110	210mm (8¼") Symmar, f/5.6	Compur M/X	\$178.40
L-111	215mm (8½") Caltar, f/6.3	Acme M/X	\$135.00
L-112	240mm (9½") Symmar, f/5.6	Compur X	\$255.20
L-113	254mm (10") Caltar, f/6.3	Acme M/X	\$165.00
L-114	300mm (12") Symmar, f/5.6	Copal X	\$380.00
L-115	305mm (12") Caltar, f/6.3	Acme M/X	\$175.00
L-116	304mm (12") Ektar, f/6.3	Acme M/X	\$210.00
L-117	356mm (14") Ektar, f/6.3	Universal M/X	\$257.00
L-118	375mm (14¾") Caltar, f/6.3	Universal M/X	\$180.00

The Excellent Commercial Ektar is part of the large Calumet Warehouse stock of lenses ready for immediate delivery.



### WIDE ANGLE LENSES

CATALOG NUMBER	DESCRIPTION	SHUTTER	PRICE
L-201	* 65mm (2½") Super Angulon, f/8	Compur M/X	\$155.20
L-202	* 75mm (3") Super Angulon, f/8	Compur M/X	\$189.60
L-203	* 90mm (3½") Angulon, f/6.8	Compur M/X	\$116.80
L-204	* 90mm (3½") Super Angulon, f/8	Compur M/X	\$200.80
L-205	121mm (4¾") Super Angulon, f/8	Compur M/X	\$341.60
L-206	165mm (6½") Super Angulon, f/8	Compur M/X	\$468.00
L-207	210mm (8¼") Angulon	Copal X	\$216.00

\*These lenses should be mounted in CC428 recessed lensboard.

### PROCESS LENSES FOR FLAT FIELD, MAXIMUM SHARPNESS IN CLOSE-UP PHOTOGRAPHY

L-301	135mm (5¼")	Repro-Claron, f/8	Compur M/X	\$128.00
L-302	210mm (8¼")	Repro-Claron, f/9	Compur M/X	\$168.00
L-303	305mm (12")	Repro-Claron, f/9	Compur M/X	\$208.00
L-304	355mm (14")	Repro-Claron, f/9	Compur M/X	\$276.00
L-305	420mm (16½")	Repro-Claron, f/9	Compound X	\$336.00
L-306	485mm (19")	Repro-Claron, f/9	Compound X	\$380.00
L-307	610mm (24")	Repro-Claron, f/9	Compound X	\$492.00

### TELEPHOTO LENSES

L-401	360mm (14¼")	Tele-Xenar, f/5.5	Copal X	\$240.00
	214mm	Back Focus		
L-402	500mm (20")	Tele-Xenar, f/5.5	Compound X	\$501.60
	312mm	Back Focus		

### AIR RELEASES FOR CALTAR LENSES

Furnished with five feet of hose for vibrationless shutter tripping off camera. Fits Caltar and Kodak lenses and shutters only.

Model C-33	for 8½", 10", and 12" lenses	\$8.75
Model C-34	for 14" lenses	\$8.75

See Page 5 for Special Camera and Lens Combinations. Other Lens Combinations on Request.



# *the Calumet C-1*

**MAGNESIUM 8 x 10" CAMERA**

**\$ 285.**

(LESS LENS)

***Remarkably strong and easy to use.***

Now you can use 8 x 10" film on location without the burden of heavy, clumsy equipment. The precise Calumet Metal View is machined from magnesium. It is wonderfully strong without excessive weight. Here is a full-sized 8 x 10" camera with the handling ease of a 4 x 5". The camera accepts 8 x 10", 5 x 7", or 4 x 5" film with equal ease. You can expose 8 x 10" color for the art director and switch to a smaller format without changing cameras.

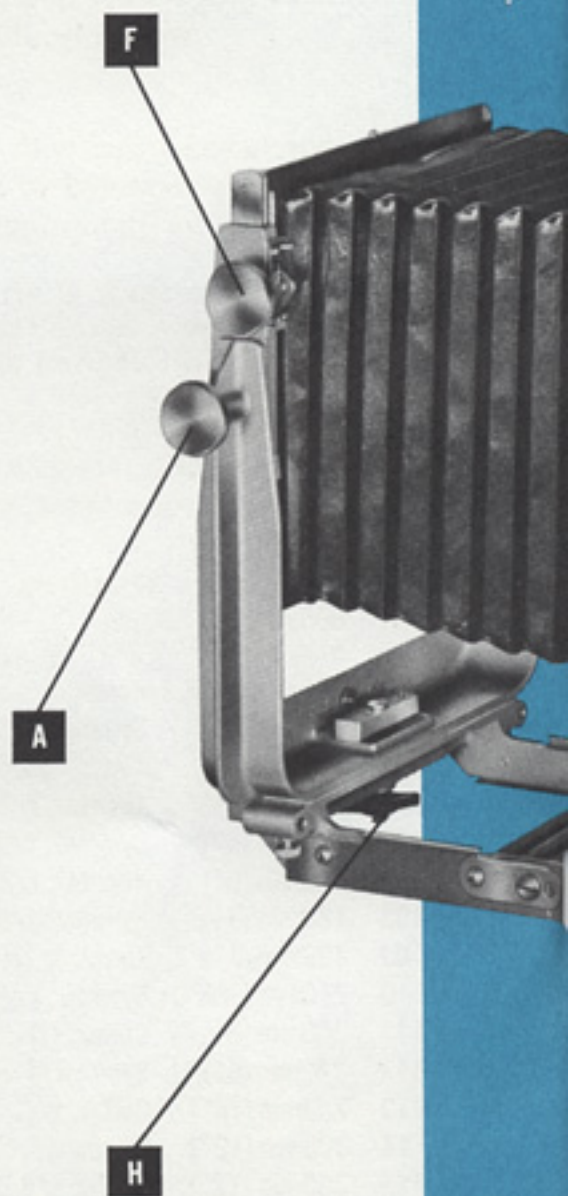
All operating controls are extra large. Focusing and swing locks are duplicated left and right. Focusing is precise. Torque in the focusing drive remains the same regardless of camera position. You can switch from horizontal to vertical without a slip.

This strong camera fights vibration on tall tripods. It will give sharper negatives in the outdoor breezes. All swings, front and back, pivot on the optical axis. Adjustments are faster, easier to set up with less refocusing needed.

A full 34" of bellows brings you in close with even 17" lenses. A selection of recessed fronts allows usage of lenses as short as 65mm on magnesium reducing backs.

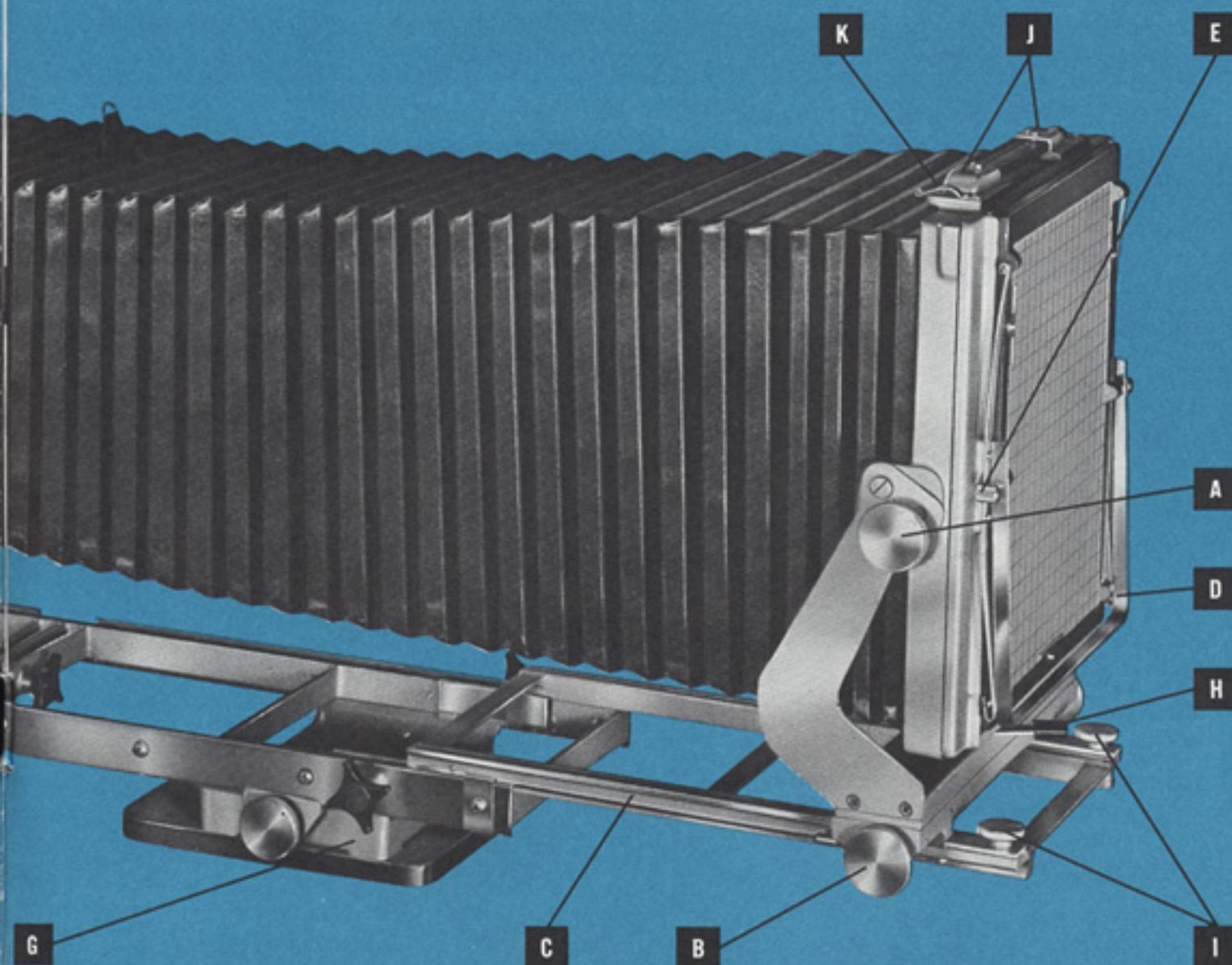
Locking is optical bench positive. You can actually lift the camera from the front or back standard without disturbing a swing setting.

Calumet has put precision into large cameras.

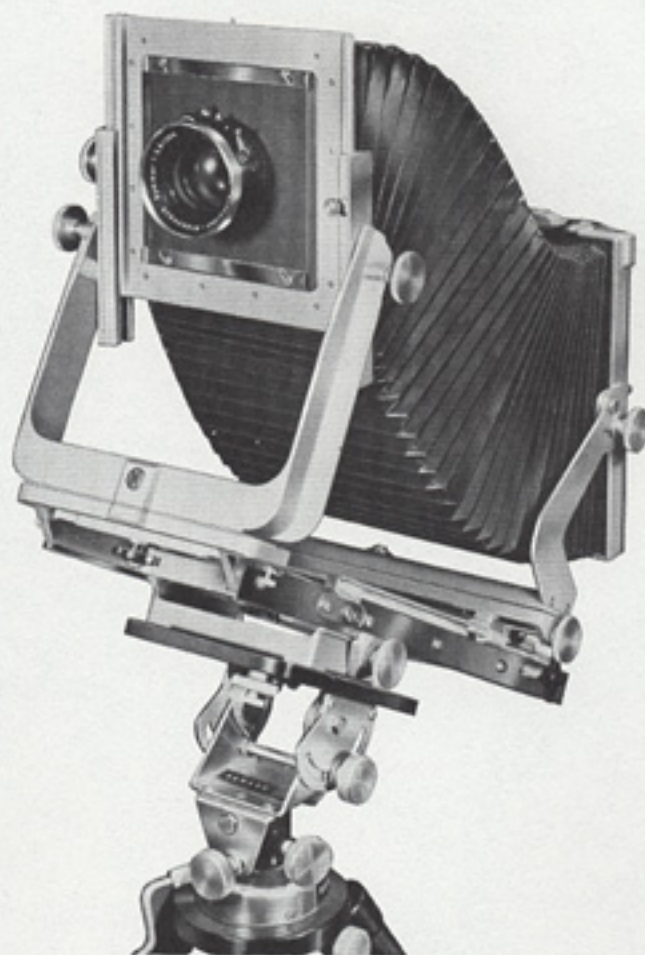
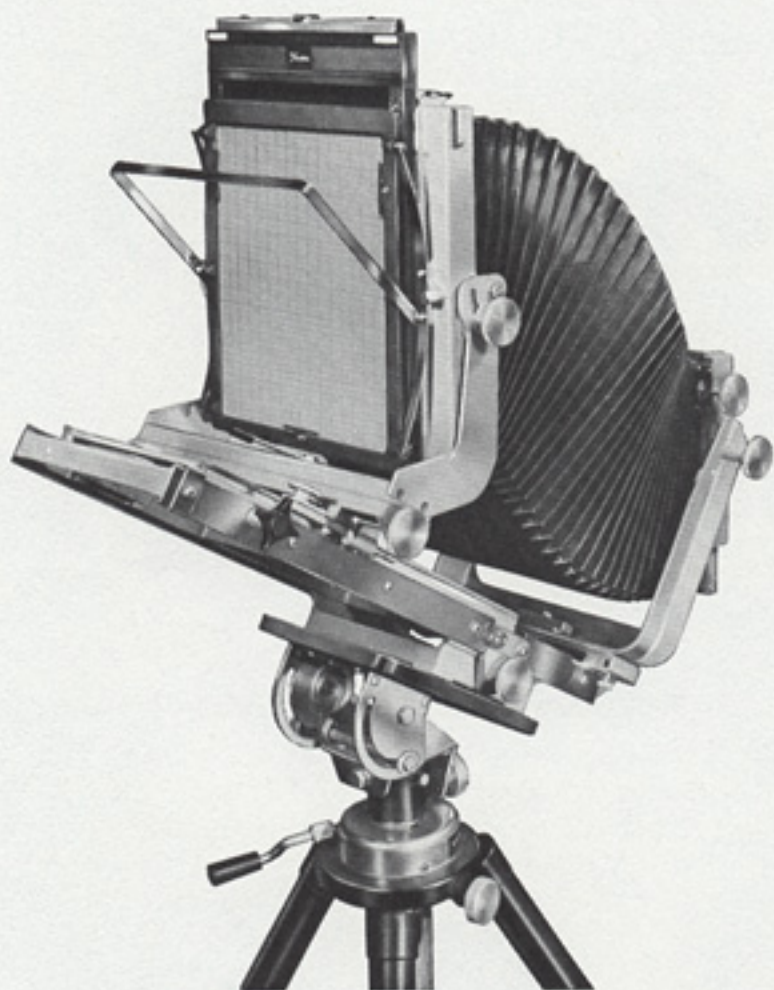




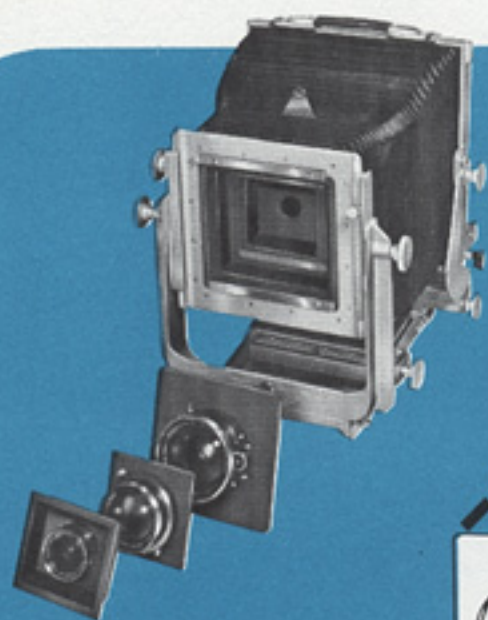
- A. All swings on optical axis, front and back, horizontal and vertical. Center of image remains aligned. Image size remains constant when setting up swings thereby making perspective adjustment easier and more accurate.
- B. Smooth, positive focusing. Continuous drive system holds constant torque whether camera is in horizontal or vertical position. Focusing is accurate and will not slip. Large  $1\frac{1}{2}$ " knobs on left and right for easier use. Focusing locks provided.
- C. Double extension track. A full 34" of bellows draw for long lenses, extreme close-ups or copy work. Positive lock and support on extension track gives vibration-free rigidity.
- D. Spring tension reliever allows insertion of film holders without moving camera.
- E. Screw locks allow quick back change from horizontal to vertical. Positive light seals allow accurate positioning of back.
- F. Continuous action rise and fall. Drive holds camera in position when hand is removed.
- G. Sliding tripod block with extra wide base for complete rigidity. U.S. (ASA) and European tripod sockets.
- H. Accessible front and back horizontal swing controls with positive locks.
- I. Positive focusing locks for copy work.
- J. Individual spirit levels, horizontal and vertical.
- K. Focusing cloth clips and locking holes for focusing cloth tent frame furnished with camera.



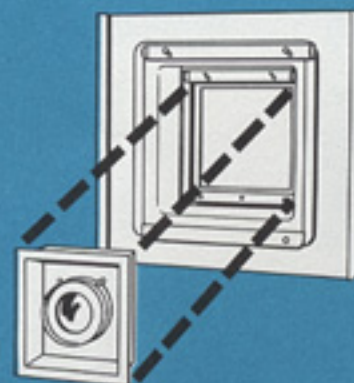
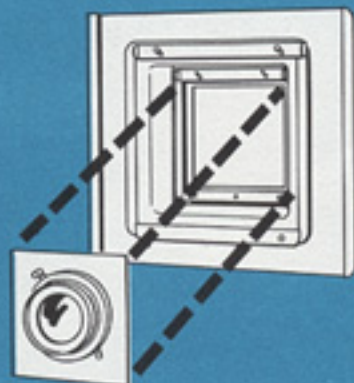
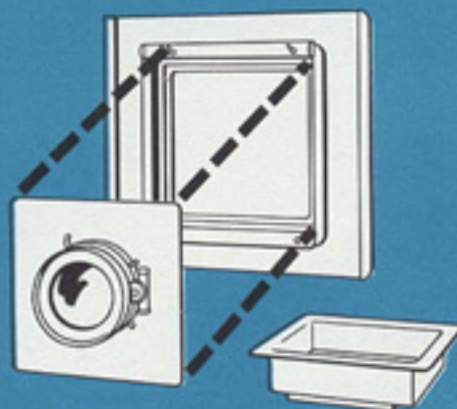




**Front and back swings are positive and easier to use due to optical axis construction. Pivoting on the optical axis prevents image size change when swinging and reduces the amount of re-focusing required.**

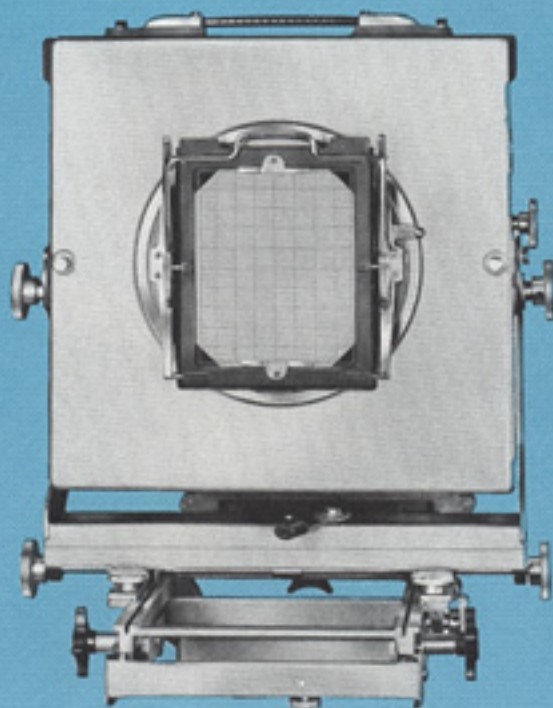


**use all your lenses  
without remounting**

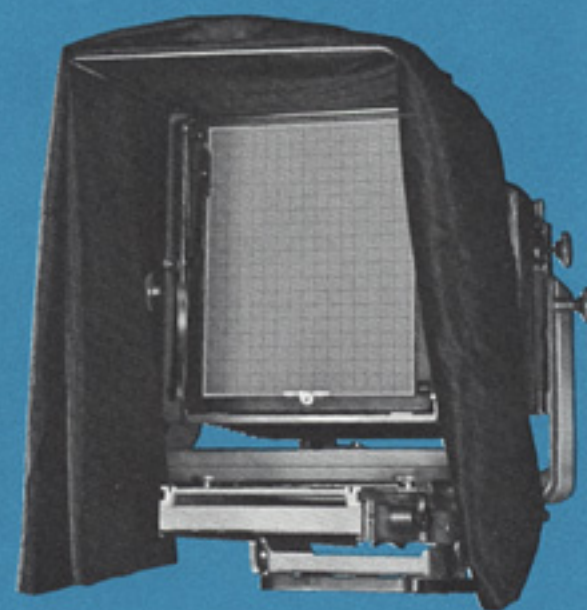


The camera front accepts the standard 6 x 6 lensboards. For lenses shorter than normal or lenses mounted on 4 x 5 camera lensboards (4 x 4), a recessed adapter is available. To obtain minimum bellows compression with 90mm and 65mm lenses on reducing backs, the Calumet super recessed lensboard may be added to the recessed 4 x 4" adapter.





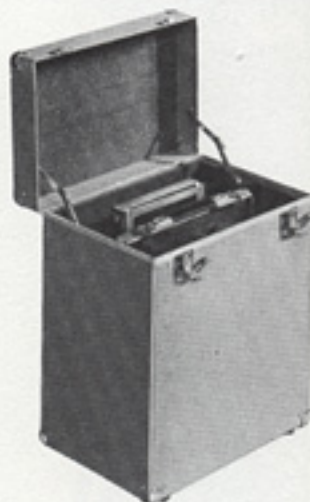
The 4 x 5" reducing back rotates 360°. Switching from horizontal to vertical can be quickly accomplished. The spring tension reliever allows insertion of film holders, a Polaroid film adapter or roll film magazine quickly without moving the camera.



A wire frame is provided with each camera to form a focusing cloth tent around the groundglass. This frame snaps into the camera back. Focusing cloths stay in place and off of the photographer's head.



Compact folding and easy carrying permits location shooting without heavy, clumsy equipment.



Ultra lightweight and strong aluminum case has foam rubber padding. Beautifully finished of light weight anodized aluminum. Case is designed to fit the camera only.

The case is also of proper size for holding accessories, such as lenses and holders. Two cases should be used to distribute weight for ease in carrying.

## SPECIFICATIONS

### Calumet Magnesium 8 x 10" camera

#### CONSTRUCTION:

Magnesium castings T-6 heat treated for dimensional stability, precision machined. Stainless steel side plates on flat bed triple extension focusing track. Chrome steel operating parts. American (ASA) and European tripod sockets.

**FINISH**—Black bellows, matte black non-reflective surfaces, interior, lensboard and groundglass holder. Metallic blue baked enamel body.

#### Adjustments:

Maximum bellows draw—34".

Horizontal swing—Front unlimited on optical axis.

Back 25° on optical axis.

Vertical swing—Front unlimited on optical axis.

Back 30° on optical axis.

Horizontal slide—Front 4".

Travel of rising and falling lensboard\*—5".

\*Optical axis swings allow the entire camera to be tilted up or down, thereby greatly increasing the effective drop or rise of the lens off center. With back vertical and full downward angle plus full drop on lensboard, more than 9" of displacement is obtained.

#### Minimum Closure

with 6 x 6" lensboard—4 3/8".

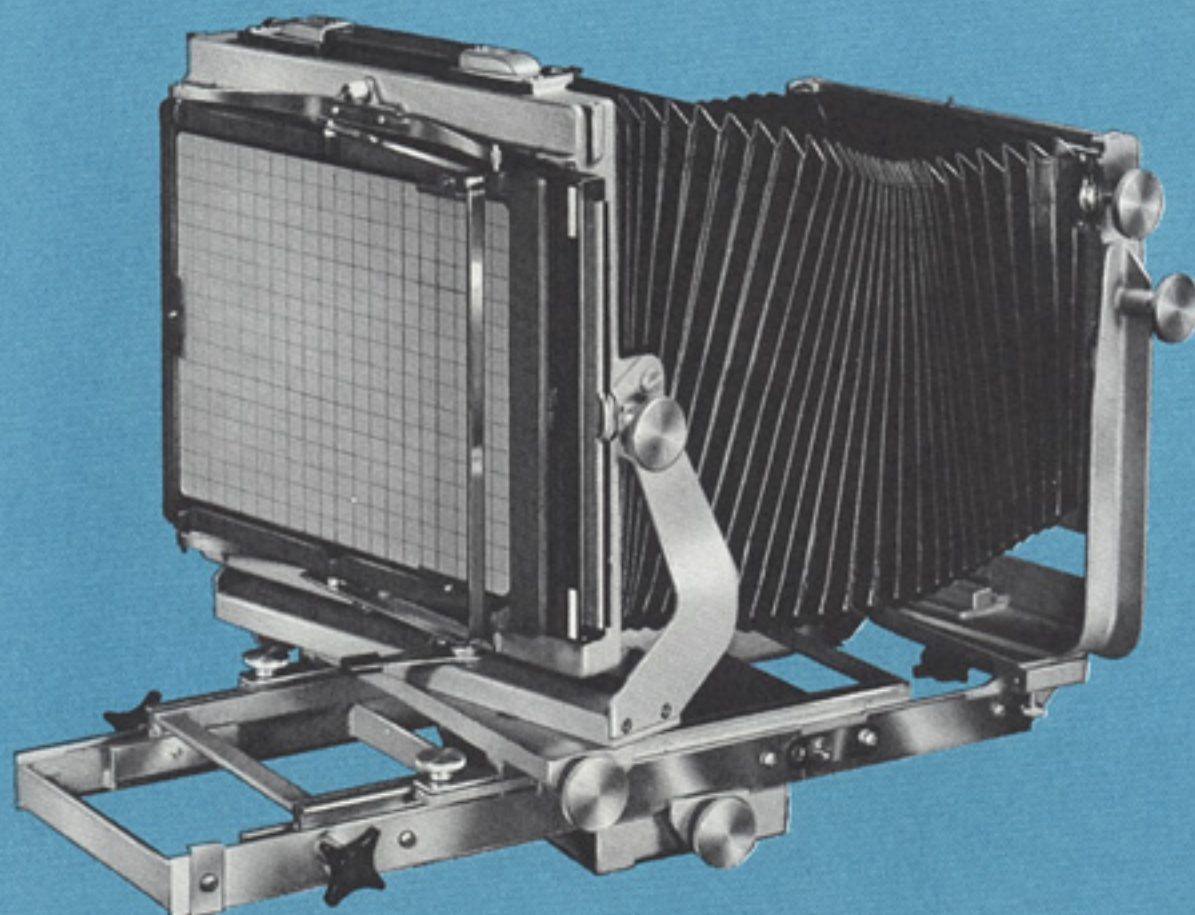
with 4 x 4" lensboard—3 3/8".

adapter, recessed with above  
plus super recessed lensboard—2 1/8".

Dimensions folded for carrying—13 1/2" wide, 18" high, 8" deep.

Weight approximately 14 lbs. depending on lens equipment and back used.





## PRICES

**Model C-1 Magnesium 8x10" camera including \$285.**  
lensboard and focusing cloth frame . . . . .

### ACCESSORIES

Model C-10 Alum. camera carrying case. **\$35.00**

### LENSBOARDS and ADAPTERS

Model C-3 extra 6x6" magnesium lensboard\* . . . . . **\$8.25**

Model C-4 recessed adapter lensboard for 4x4" (4x5" camera) lensboards and wide angle lenses mounted on 4x4" boards or super recessed board. Recessed adapters allow greater camera swing by reducing bellows compression. . . . . **\$19.50**

Model CC-420 4x4" flat lensboard for Calumet 4x5" camera or recessed lensboard adapter **\$3.50**

Model CC-428 super recessed lensboard for extreme wide angle lenses 90mm to 65mm. Fits into model C-4 recessed adapter. . . . . **\$7.50**

### REDUCING BACKS

Model C-6 5x7" reducing back with spring tension relief lever, screw locks. . . . . **\$49.50**

Model C-5 4x5" reducing back with 360° rotation and spring tension relief. . . . . **\$57.50**

### FILM HOLDERS

Model CC-422 4x5" dble. cut film holder. **\$ 3.15**

Model C-12 5x7" dble. cut film holder. **5.20**

Model C-11 8x10" dble. cut film holder. **12.00**

Model CC-425 4x5" Polaroid-Land film holder for 4x5" Polaroid black and white or color film **42.00**

### FOCUSING CLOTH

Model CC-427 focusing cloth 36"x48" . . . **\$2.50**

\*Mounting of lenses. Lenses purchased with the camera are mounted at no charge in the camera lensboard. Extra lensboards are charged as above. A service charge is made for mounting customer's lenses. Usually only the retaining ring need be sent for proper drilling and mounting. When sending retaining rings, always indicate the proper "up" position.

The following lensboards are suggested for proper mounting:

#### Focal Length

10" and over

6x6" flat board

9" to 5 1/4"

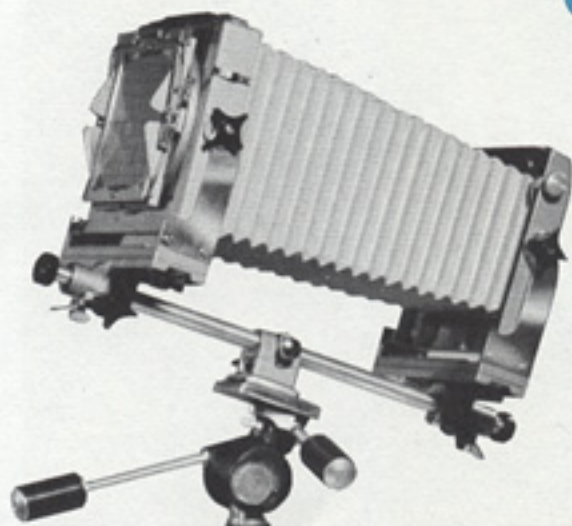
4x4" flat board in recessed adapter

90mm to 65mm

4x4" super recessed board in recessed adapter



# Calumet Tripods made for 4 x 5" View Cameras



Calumet tripods are extra strong with features professionally proven. Tripods for a view camera are subject to constant use. They, therefore, must be easy to operate, portable, yet light in weight. Controls for horizontal and vertical tilting must be separate to permit a rapid and accurate setup of a view camera. Calumet View Camera Tripods are extra strong. They are also ideal camera platforms for 35mm and hand cameras when sharpness must be absolute. Calumet engineers are photographers. They design equipment for ease of use. This is reflected in the Calumet tripods selected for the Calumet 4 x 5" View.

Calumet Elevator Tripods have geared elevator column for 15" of rapid adjustment without having to move the tripod legs. All parts are extra strong (1 1/4" upper sections on legs). Heavy ribbed and vinyl covered locks on each leg extension permit a rapid and positive setup. The aluminum legs are smooth anodized. They will not chip or smudge fingers. The geared column, separate pan and tilt controls, plus massive construction make these tripods ideal for use with a view type camera.

A pan head with separate horizontal and vertical adjustment is important for rapid setup of a view camera. 90° left-side tilt allows floor copy work. Oversized grips and locking devices give quick, positive control. The camera plate is covered with ribbed vinyl. It is extra large (2 3/8" x 3 3/8") for rock steady support. A quick lock lever on the tripod screw permits a faster attachment of cameras on tripods.

## TWO HEIGHTS AVAILABLE

### 6' Maximum Height—3 Section

**MODEL C31**—3-section legs, 1 1/4", 1 1/8", and 1". Minimum length telescoped 30". Maximum height 6'. Weight 7 1/2 lbs. With pan head . . . . . \$38.75

### For a 7' 6" Height—4 Section

**MODEL C32**—4-section legs 1 1/4", 1 1/8", 1", 7/8". Minimum length telescoped 31". Weight 8 1/4 lbs. Maximum height 7' 6". With pan head . . . . . \$42.75

## PORTABILITY WITH STRENGTH

### THE TILTALL TRIPOD

The attractive Tiltall Tripod is made of high-polish aluminum alloy. It is designed for 4 x 5" view cameras. This tripod weighs only six pounds, telescopes to 29 1/2", yet will extend to a full 7' in height. It is the professional standard for a highly portable, yet strong field tripod. The friction lock center post allows rapid camera adjustment, permits 90° forward tilt, 45° backward tilt, and 360° pan. The three-section legs have rubber feet plus retractable spoke.

**Model TP-40 Tiltall Tripod . . . . \$36.75**





# Calumet

## elevator tripods

Easy to use professional tripods designed for view cameras. Worm gear elevator column adjusts height precisely. These tripods are extremely rigid and very light in weight. Even the big 98" high unit folds to a compact 44½" for carrying. Finished in bright anodized aluminum with black enamel trim. Weight 12 lbs. Height, legs extended and spread without center column rise 80" max, 38" min. Maximum rise with center column 96".

**MODEL C-21. Calumet elevator tripod with geared pan head . . . . . \$96.00**

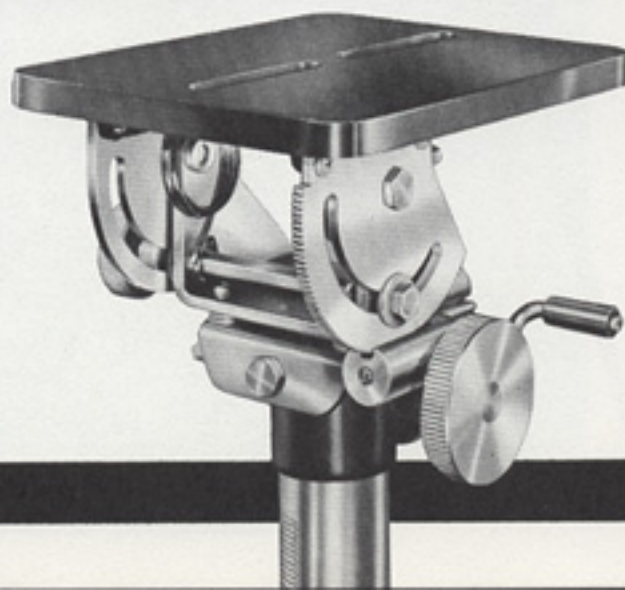
**MODEL C-20. Calumet elevator tripod without pan head . . . . . \$64.00**

### GEARED PAN HEAD

Geared pan head provides exact control of vertical tilt and eliminates accidental dropping of cameras. Extra size head (6½ x 8½") fits large base plate on Calumet 8 x 10" camera.

Side tilt 15° right, 15° left, vertical tilt 45° up, 90° down, pan 360°.

**Model C-29 \$36.00**







## traveling elevator tripod

A modified elevator tripod designed for compact folding with three-section legs. Lightweight and strong. Ideal for 8 x 10" or 4 x 5" cameras in location work. Maximum height with column extension 80". Minimum height 27". Weight 10½ lbs. Furnished with geared pan head.

**Model C-23** .....\$104.00

Matching fibre case, 8" x 25" x 10".

**Model C-24** .....\$18.00

Traveling tripod without pan head.

**Model C-22** .....\$72.00

### Column Extension

To extend elevator columns adding 18" of extra height. Also for extra low positions on traveling elevator tripod. With side arm extension on traveling tripod, the extension places the camera 9" above the floor.

**Model C-25** \$12.00



Side arm for above column extension for low angles with traveling tripod.

**Model C-26** \$12.00  
(less geared head).



## tripod dolly

A mobile and rigid base for the Calumet tripod. Cushion-tire swivel with foot operated brakes. Folds compactly. Will pass through a 30" doorway. Diameter of caster circle 42". Height above floor 7". Weight 8 lbs. ....**Model C-27** \$30.00

### Lo-Hi Unit

May be attached to elevator column for low angle photography. Minimum height (floor to camera base) 11". Maximum height tripod extended 78". Weight 5 lbs. Furnished without gear head. ....**Model C-28** \$28.00

### Geared Pan Head

Extra geared studio (flat bed) head for elevator tripod or Lo-Hi unit.

**Model C-29** (for 8x10 and 5x7 cameras) \$36.00

### 4 x 5" Camera Pan Head

A pan head with 2¼ x 4¼" head for 4 x 5" or smaller tripods. Furnished with offset handle.

**Model C-30** \$24.00



# Processing Equipment for Sheet Film and 220 Roll Film

The long roll 220 film is approximately 64½" long, the same length as two regular 120 rolls on a single roll of 35mm, thirty-six exposure film. In fully automatic equipment, it may be handled in a manner similar to 35mm, thirty-six exposure rolls. For nitrogen burst, or hand agitation, Calumet offers special processing reels for 3½-gallon tanks and reels plus tanks for hand agitation.



## Water jacketed processing tanks for hand agitation of sheet or roll film

Model 45 temp tank holds 12 4x5" sheet films or 2 of the 4¼" diameter 220 reels (enough for 40 exposures). The water jacket is designed for connection to a thermostatic valve by rubber hose, or to a simple mixing valve for temperature control. An overflow outlet is provided. This may be used to overflow into a sink, or plumbed into a drain. The center section is used as a water rinse, for washing film, or for an optional short stop tank.

Model 45 Temp tank—½ gallon chemical capacity, insert tank size 4½" x 5½" x 6". Outside of water jacket 16" x 10" x 7¼". Weight 8 lbs. Furnished with water jacket, two insert tanks. Film capacity: 2 rolls of 220 film (40 exposures) 12 4 x 5" sheet film hangers . . . . . **Price \$48.00**

Extra insert tank for short stop . . . . . \$11.00  
Floating lid — Model FL-12 . . . . . \$ 2.75  
Light cover — Model L-45 . . . . . \$ 8.50  
Wire lifter for manual agitation of  
220 or 120 rolls . . . . . \$ 1.75

## Nikor Reel for 220 Film



Fits Calumet reel rack or Nikor cut film tank. 4¼" w. x 2⅝" h. Six rolls of film (120 exposures) per 3½-gallon Calumet Tank.

Model 220 . . . . . \$ 4.45

One-Quart stainless steel tank for hand processing. Holds one 220 reel. Identical in size to Nikor cut film tank.  
Model 221 . . . . . \$12.15

## Anscomatic Developing Reel



Holds one roll of 220 film. Automatic loading feature. Fits Anscomatic tank, or for hand agitation with wire reel racks in 3½-gallon or larger tanks. (220 film will fit any existing adjustable film reel that will handle 35mm, 36-exposure lengths.)

Anscomatic Reel Model 222 . . . . . \$2.95 ea.

## Reel Rack for 220 Nikor Reels



Fits Calumet 3½-gallon tanks, or ASA standard, hard rubber or stainless 3½-gallon tanks. For gas burst agitation or hand agitation.

Model 860 . . . . . \$19.50



Sold direct from factory by  
**CALUMET MANUFACTURING COMPANY**  
6550 North Clark Street, Chicago, Illinois 60626  
AREA CODE: 312: SHeldrake 3-2442, Cable—Calcam, Chicago