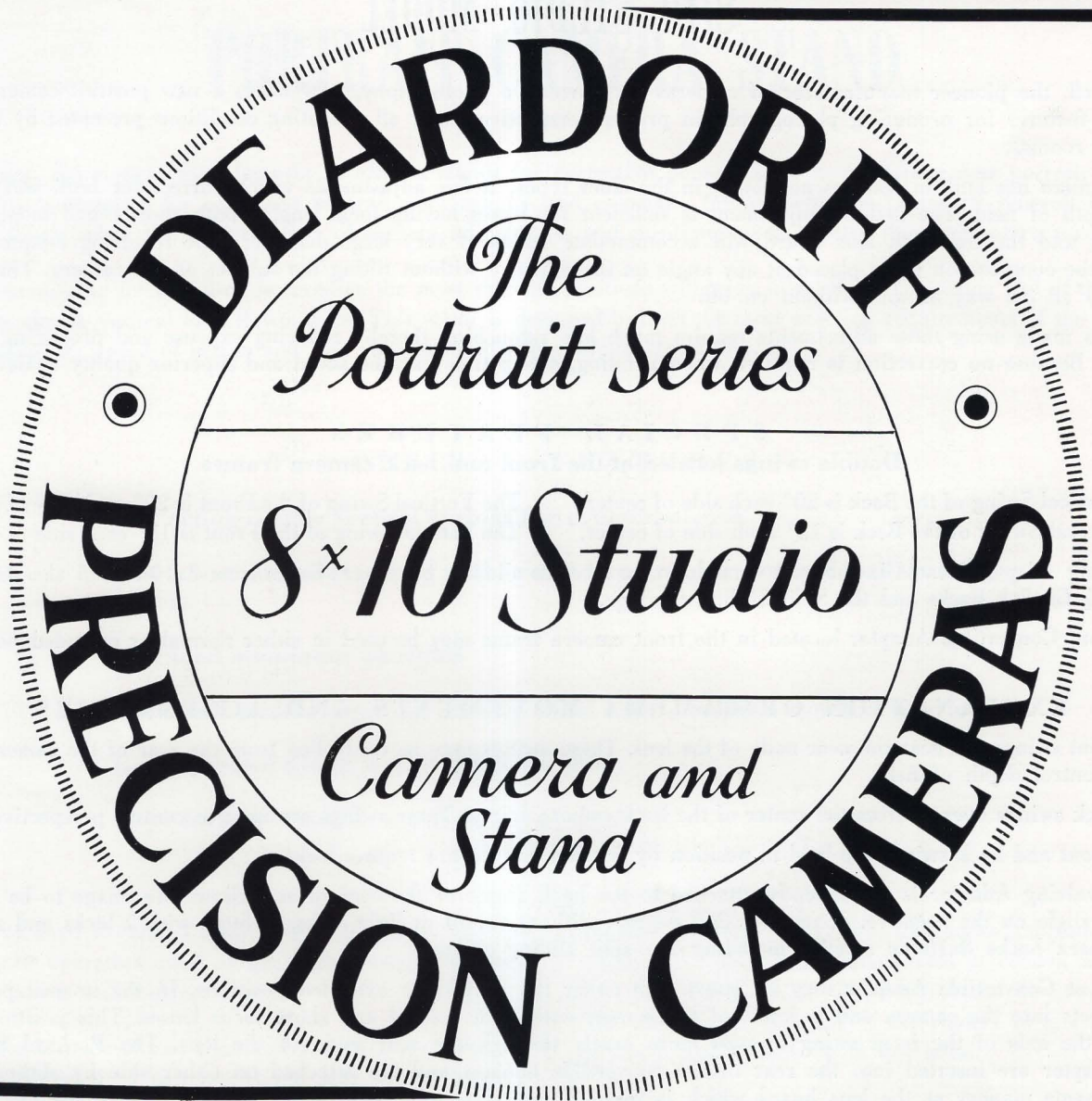


“MAKE THE CORRECTION ON THE NEGATIVE”

DOUBLE SWING BACK



DOUBLE SWING FRONT

*the* STANDARD PORTRAIT CAMERA *for*  
*Color and Black and White* PORTRAIT *Photography*  
*In the Studio*

the portrait camera permitting the greatest possible image control, the greatest possible depth of field control at the largest possible "taking aperture"

L. F. DEARDORFF & SONS, INC.

11 SOUTH DES PLAINES STREET, CHICAGO 6, ILLINOIS

DESIGNERS AND BUILDERS OF PRECISION CAMERAS AND STANDS FOR CORRECTIVE PHOTOGRAPHY

# DEARDORFF PORTRAIT CAMERA

## 8/10 STUDIO MODEL

Deardorff, the pioneer manufacturer of cameras for corrective photography, now offers a new portrait camera with special features for producing photographs in proper perspective under all operating conditions presented by today's camera rooms.

This camera has built-in features not found in the older types. It has adjustments which correct for both perspective and depth of field. The bellows adjustment is sufficient for lenses having focal lengths both shorter and longer than normal, and the 8x8 inch lens board will accommodate lenses of very large diameter. The revolving adapter back allows the composition to be placed at any angle on the negative without tilting the subject or the camera. This back revolves all the way around without cut-off.

Pictures made using these adjustments require much less retouching thereby reducing expense and producing better results. Because no correction is required when printing, set-up time may be saved and superior quality achieved.

### SPECIAL FEATURES

#### Double swings located at the front and back camera frames

The Vertical Swing of the Back is 20° each side of center.      The Vertical Swing of the Front is 20° each side of center.  
The Lateral Swing of the Back is 15° each side of center.      The Lateral Swing of the Front is 15° each side of center.

Revolving Adapter located in the back camera frame receives all sizes of camera backs from 8x10 to 4x5 also 4x5 and 3¼x4¼ Graflok Backs and the Split Sliding carriage.

The front Convertible Adapter located in the front camera frame may be used in either normal or extended position.

### EXPLANATION OF CAMERA MOVEMENTS AND ACCESSORIES

The front swings are near the near node of the lens. These swings may be controlled from the rear of the camera bed. They control depth of field.

The back swings operate from the center of the back camera frame. These swings are used to control perspective.

Both front and back swings are held in position by friction and do not require locks.

The revolving Adapter is permanently attached to the back frame of the camera and allows the image to be placed at any angle on the negative. It revolves 360 degrees without cut-off or light leaks, is fitted with 2 locks and accepts all camera backs 8x10 or smaller including the split sliding carriage.

The front Convertible Adapter may be inserted in either the normal or extended positions. In the normal position it projects into the camera and is intended to be used with both normal and short focus lenses. This position also causes the axis of the front swing to pass more nearly through the rear node of the lens. The Packard Shutter and adapter are inserted into the rear of the convertible adapter and are attached on either side by sliding bars in the same manner as the lens board which is inserted into the front. It is fitted with a hose connection which allows the hose from the bulb and from the shutter and also the electrical connection to be attached on either side. (See Figs. 1A and 2A page 3).

The front Convertible Adapter is easily reversed when used in the extended position and the lens board and Packard Shutter and adapter are also reversed so the lens is on the outside of the adapter and the shutter inside. The same hose and electrical connections are used in both positions.

The Inverted Cone is required for lenses of less than 10" focus (see illustration on page 6).

### CAMERA SPECIFICATIONS

Size of Plate	Extension with Adapter		Minimum focus	Lens Board	Packard Shutter Regular-Synchro	Hexpo Shutter Lens Board	Hexpo Shutter Adapter Fast Speed—Regular
	Normal	Extended					
8 x 10	23¾"	27"	10¼"	8 x 8	No. 6 - 4½" Opening No. 6 - 5" Opening	6¾ x 6¾	9 x 9 - 4⅛" opening

# DEARDORFF PORTRAIT CAMERA

## FRONT CONVERTIBLE ADAPTER in normal position

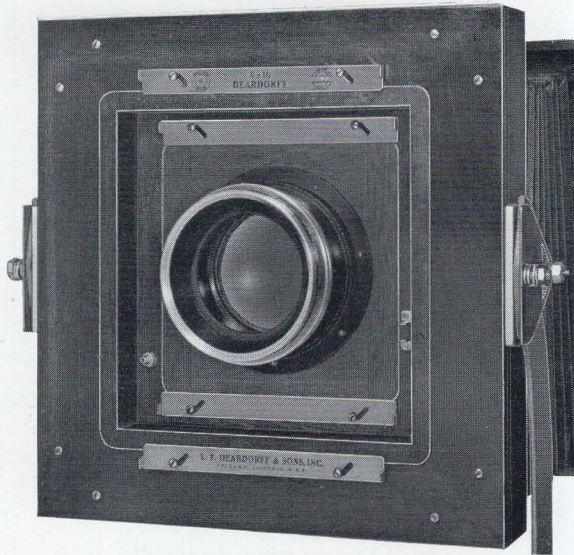


Fig. 1

Front Convertible Adapter in normal position in front camera frame. Camera extension now  $23\frac{3}{4}$ "

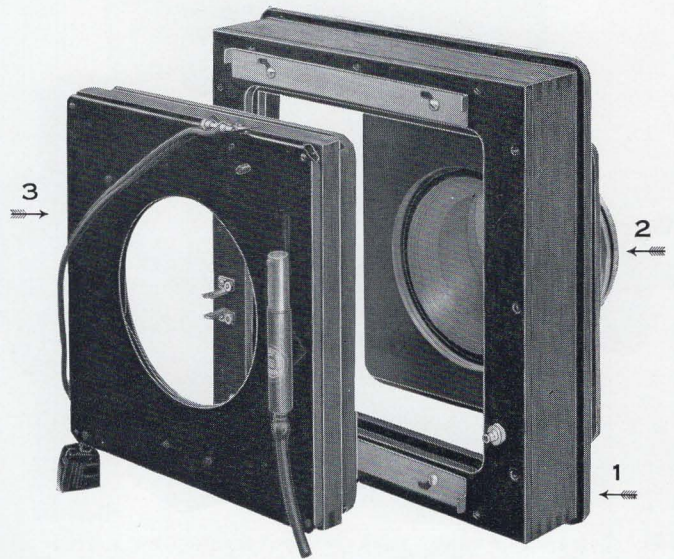


Fig. 1A

Exploded view of front Convertible Adapter

1. Front Convertible Adapter
2. Lens and Lens Board
3. Packard Shutter Adapter and shutter

## FRONT CONVERTIBLE ADAPTER in extended position

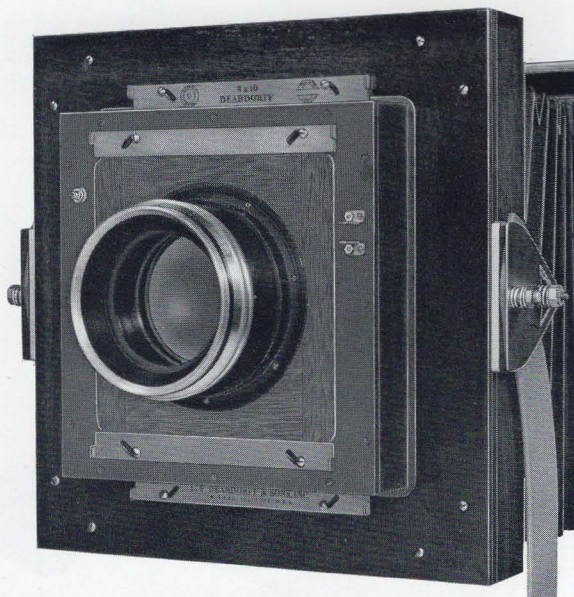


Fig. 2

Front Convertible Adapter in extended position in front camera frame. Camera extension now 27"

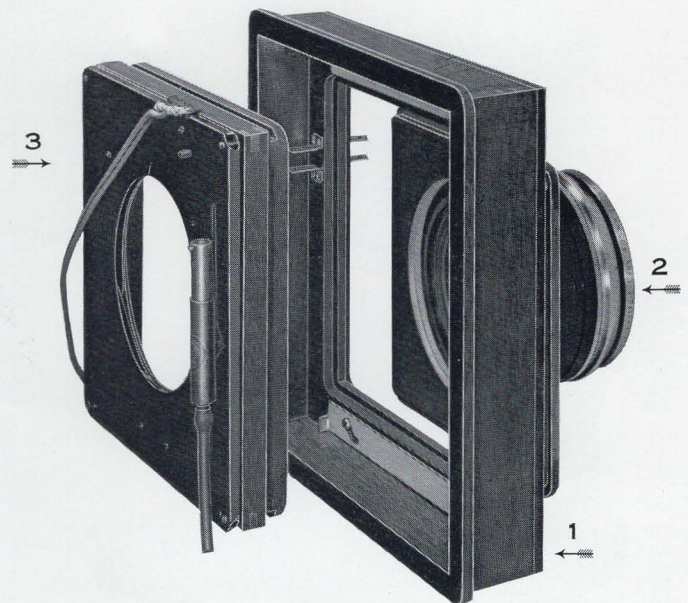
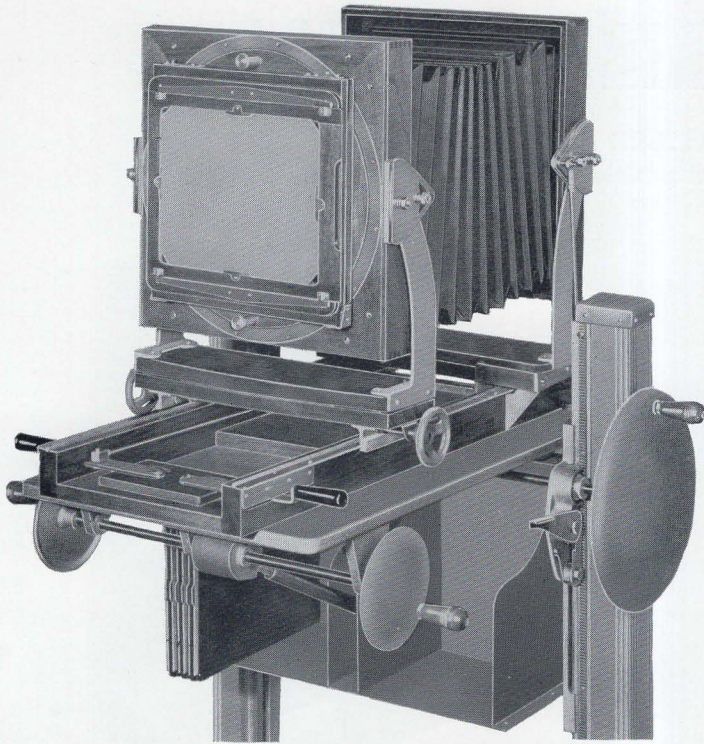


Fig. 2A

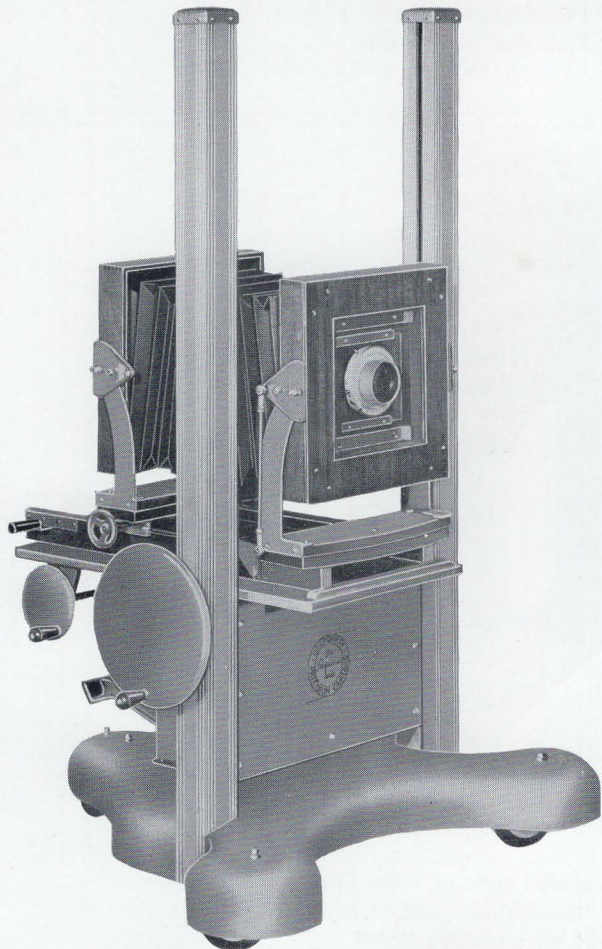
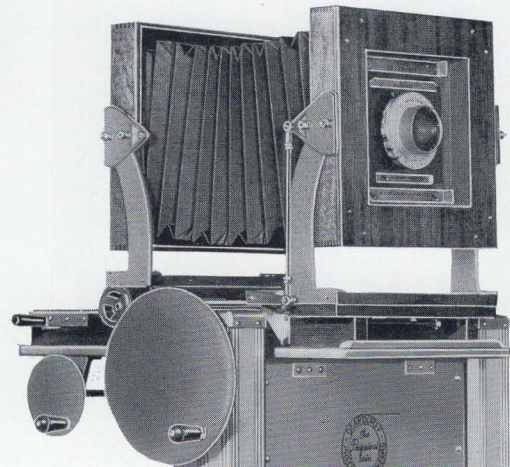
Exploded view of front Convertible Adapter

1. Front Convertible Adapter
2. Lens and Lens Board
3. Packard Shutter Adapter and shutter

# DEARDORFF PORTRAIT CAMERA STAND



(A) Illustration shows back camera frame with permanently attached Revolving Adapter and Control Handles for operating double front swings from rear of camera bed.



(B) Lowest elevation of the lens  $36\frac{3}{4}$  inches from floor to center of lens.

(C) Extreme elevation of the lens  $62\frac{1}{2}$  inches from floor to center of lens.

# DEARDORFF PORTRAIT CAMERA STAND

Deardorff, the pioneer manufacturer of camera stands for corrective photography, now offers a new portrait camera stand. It is designed for corrective portrait photography and especially for use with the Deardorff Portrait Camera. These stands allow the fastest action of camera adjustments and position, much greater than heretofore possible.

The camera may be raised or lowered to the most extreme positions with very little effort. The tilting bed of the stand permits almost vertical look down shots. This stand is designed to meet the most exacting requirements of the portrait photographer; speed of action and ease of operation with complete reliability.

## SPECIAL FEATURES

**Soft acting double vertical springs for counterbalance**

**Cast aluminum Base fitted with extra large rubber covered ball bearing casters**

**Extruded aluminum up-rights**

**Rack and pinion elevating control fitted with a reliable quick acting lock**

**Gear operated tilting bed, requires no lock**

**Floor lock operated by touch of toe**

The Deardorff Portrait Camera Stand is entirely new in design. Its operation quiet, simple, quick acting and positive in action and locking control.

The Base is made of cast aluminum to which are mounted 3—5" rubber tired casters. At the rear of the base is mounted the foot operated floor locking device. This is a streamlined designed lever easily operated with the toe of the shoe.

The upright posts are aluminum into which are mounted the vertical springs which counterbalance the bed of the stand and the camera. The elevating and lowering of the

camera is through extra heavy steel racks and pinions controlled by a large hand wheel. This movement is locked by a hand lever, positive in its action and easy to operate. The raising and lowering of the camera to any position is easily accomplished with one hand.

The Bed of the Stand is fitted with 2 Tripod Screws for attaching the camera securely, thus permitting almost straight down shots.

The tilting bed is controlled by gear and screw through a hand operated wheel and does not require locking at any position.

## STAND SPECIFICATIONS

Height of Stand	Bed Tilt	Bed Suspension	Elevating Mechanism	Casters	Locking Devices
4'3"	Gear Operated 60 Degrees	Double Vertical Coiled Springs	Rack and Gear	5" Rubber Tired	Floor Elevating

# LENSES AND SHUTTERS For DEARDORFF PORTRAIT SERIES CAMERA

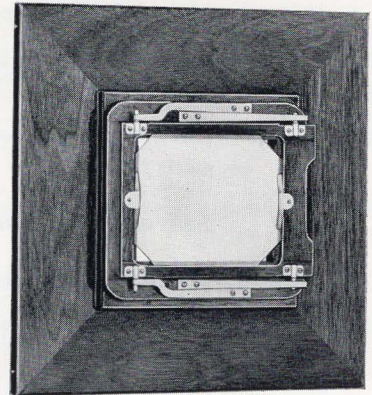
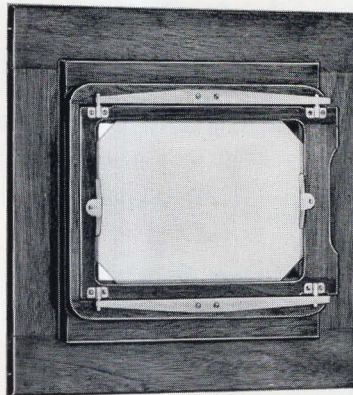
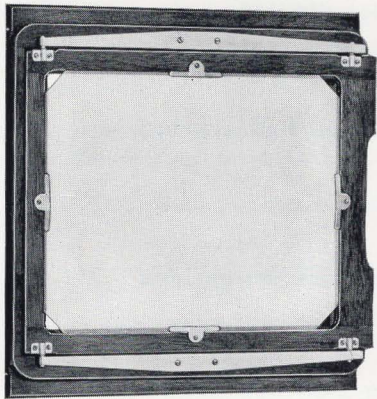
The table below lists lenses of several focal lengths for various phases of Portrait Photography. It should be noted that the emphasis in the table is on focal lengths. These focal lengths definitely should be part of every photographer's equipment because only by his choice of the proper focal length of lens can the best perspective and control of image distortion be accomplished.

## LENS AND SHUTTER EQUIPMENT—8x10 PORTRAIT SERIES STUDIO CAMERA

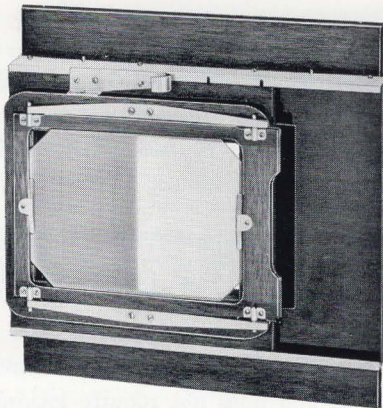
10" to 10 <sup>3</sup> / <sub>4</sub> "	E.F.L., f/6.3 to f/6.8 medium wide-angle lens in shutter; for 8x10 groups in confined situations.	18"	E.F.L., lens in barrel for large heads on 5x7 or 8x10.
10" to 12"	E.F.L., f/4.5 to f/6.8 lens in shutter or barrel; for heads on 4x5 and split 5x7.	10" to 14"	E.F.L., f/6 soft focus portrait lens in shutter or barrel; for large heads on 5x7 and 8x10 plates.
12" to 14 <sup>3</sup> / <sub>4</sub> "	E.F.L., f/4.5 to f/6.3 lens in shutter or barrel; for normal angle groups and full length figures on 8x10 and head and shoulders on 5x7.	12" to 16"	E.F.L., f/4.5 to f/4.8 soft focus portrait lens in shutter or barrel (the 12" focus lens at f/4.8 can be fitted to the No. 5 Synchro shutter); for large heads on 5x7 and 8x10 plates.

Catalogues of the leading lens makers may be had upon request. Advice on the correct types and focal lengths of lenses for any photographic problem given to anyone presenting their difficulties in writing with suitable photographs.

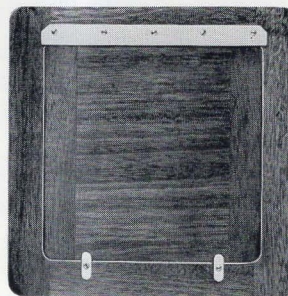
## ACCESSORIES—8x10 PORTRAIT SERIES STUDIO CAMERA



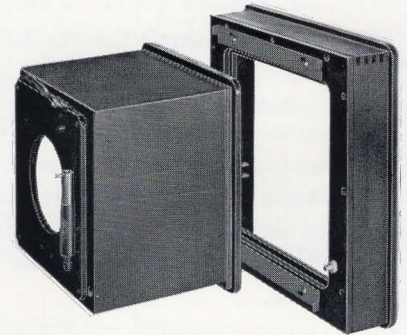
Reversible Camera Backs for 8x10, 5x7, 4x5



Split Sliding Carriage  
5x7 or 2 on 5x7



Lens Board Reducer  
8x8 to 6x6



Inverted Cone (Shown with front  
Convertible Adapter) for shorter  
than 10" focus lenses. Fitted with  
6x6 Lens Board.

**CORRECTIVE PHOTOGRAPHY**, by Lewis L. Kellsey, Cr. Photog., is an illustrated elementary textbook on Camera Swings And How To Use Them. The subject is presented in a simplified and understandable manner. Answers all questions about the practice of Corrective Photography. Every photographer should have a copy for reference purposes.

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