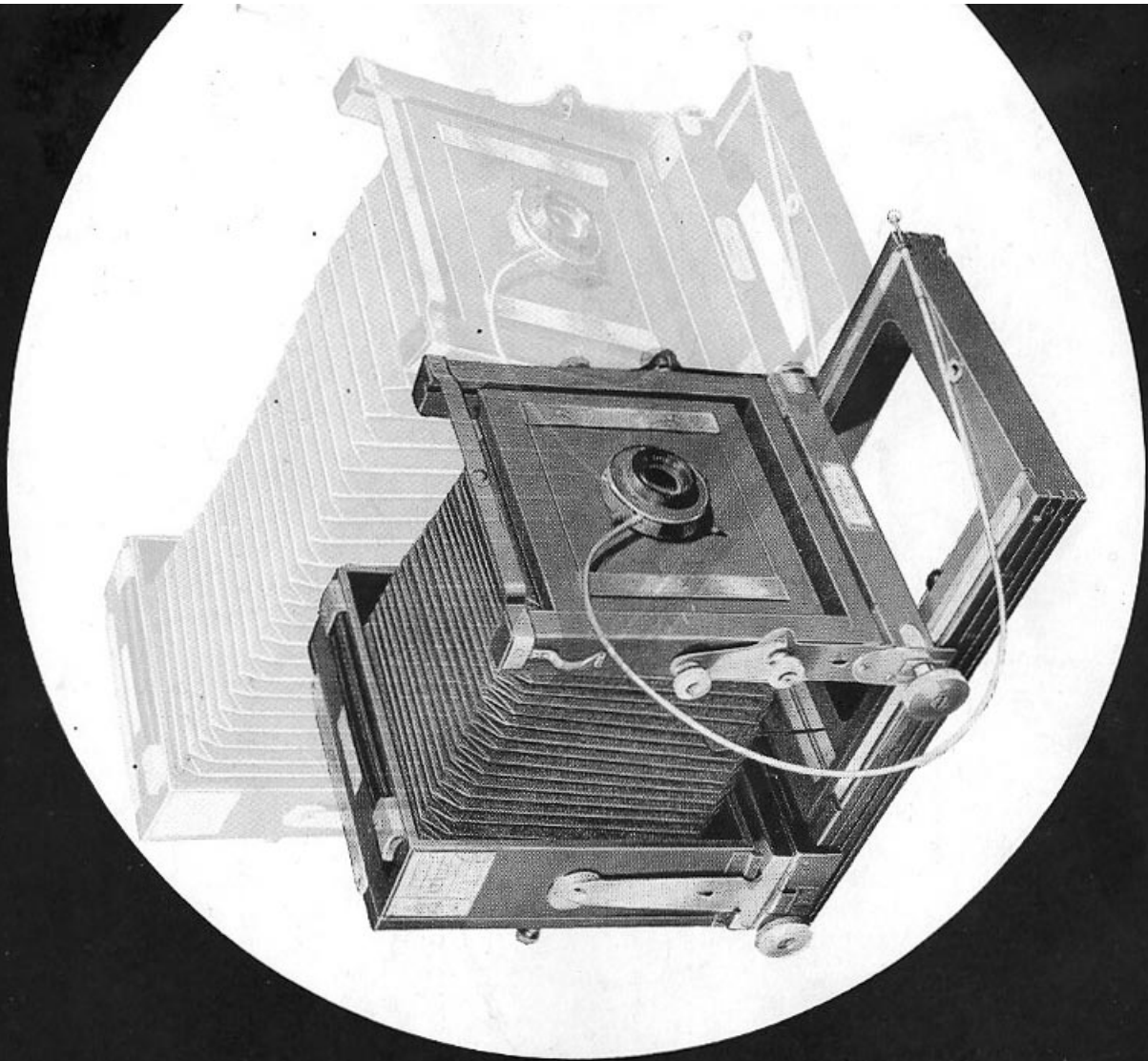


**Kodak**  
**Specialist camera**  
**MODEL 2**



**INSTRUCTIONS FOR USE**



## How this book is arranged

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This book describes firstly the Kodak Specialist Camera Model 2, and gives operating instructions for it. Following these instructions are pages dealing with the assemblies built around the camera. They are:

- 1 Clinical Camera Assembly
- 2 Laboratory Camera Assembly
- 3 View Camera Assembly
- 4 Police Camera Assembly

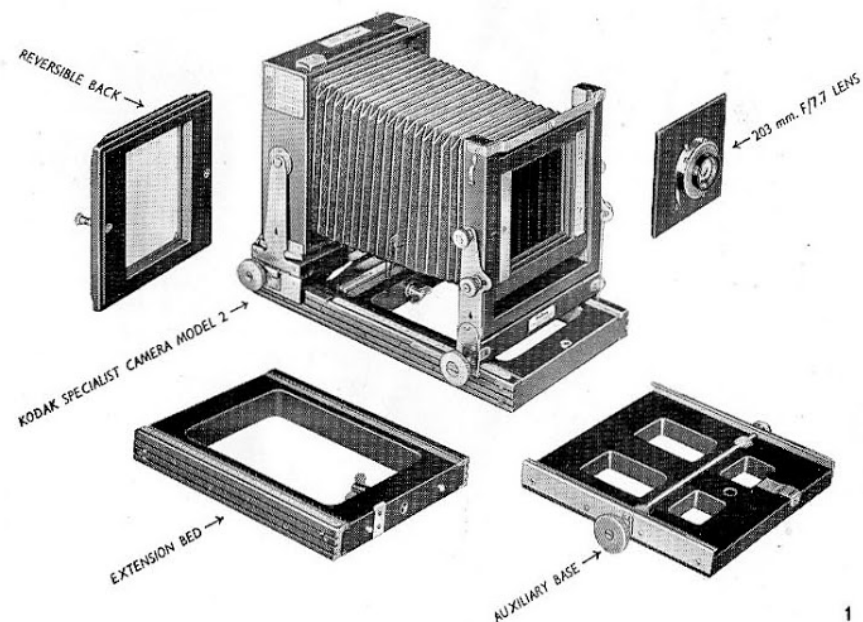
Next is a complete list of standard accessories so that if those who possess one particular assembly feel they could well use an accessory designed for some other assembly they may order it as an extra.

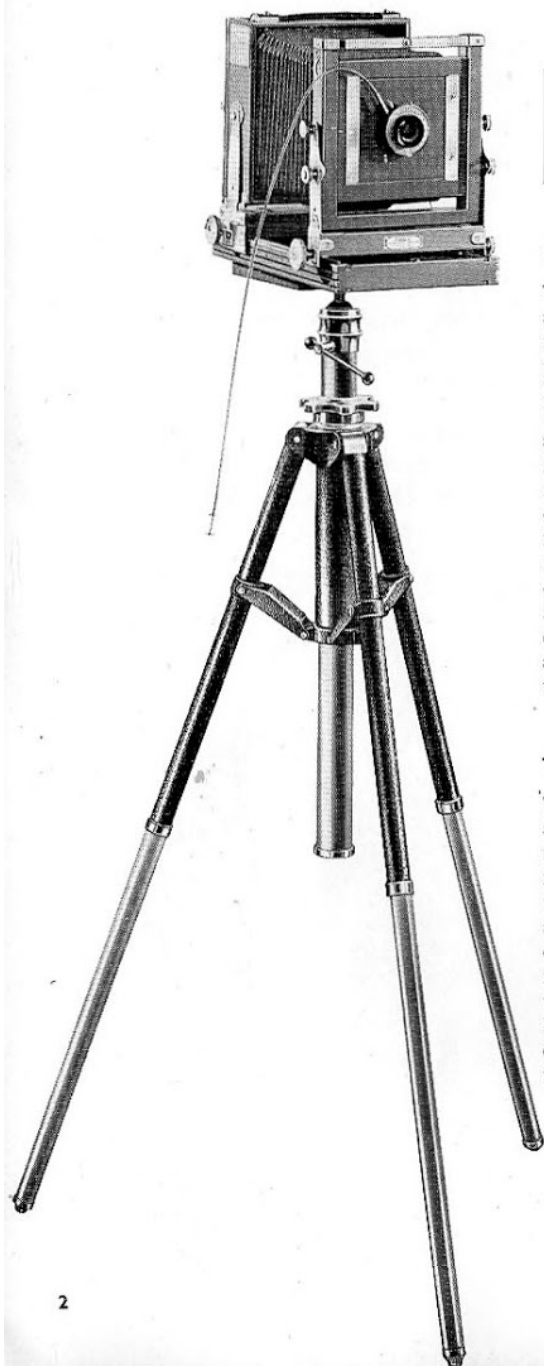
KODAK LIMITED LONDON

## The Kodak Specialist Camera Model 2 comprises . . .

- 1 **Camera body**—the basic unit, i.e., back, bellows, front and folding bed.
- 2 **Reversible back**—combined dark-slide holder and focusing screen with quick-release mechanism.
- 3 **Extension bed**—attaches to rear of camera bed allowing double extension.
- 4 **Auxiliary base**—fits between bed of camera and support for 'size-ratio' focusing.
- 5\* **Lens panel**—a metal blank provided so that the customer can mount other lens and shutter assemblies (*see page 5*).

\*Picture shows lens panel fitted with standard lens and shutter unit available from stock—a 203 mm. Kodak Ektar f/7.7 Lens in 8-speed Epsilon Shutter.





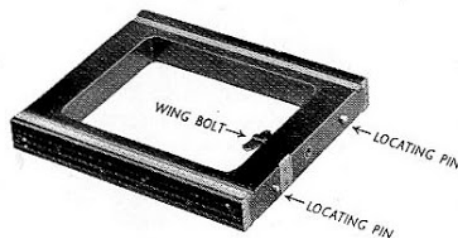
## Operating the Camera

### BRIEF DESCRIPTION

The Kodak Specialist Camera Model 2 is a half-plate stand camera which can be used with either plates or sheet films. It is primarily intended that a 203 mm. (8-inch) Kodak Ektar f/7.7 Lens be fitted, but any lens of suitable type, mounted on the standard panel, may be used. The camera incorporates all the necessary movements required for technical photography and is of substantial construction. Materials used for the manufacture of the camera are well-seasoned hardwoods and metal alloys chosen for strength and lightness. Antique silver enamel on the hardwood, and satin chrome plating on the metal parts provide an attractive and durable protective finish to the camera.

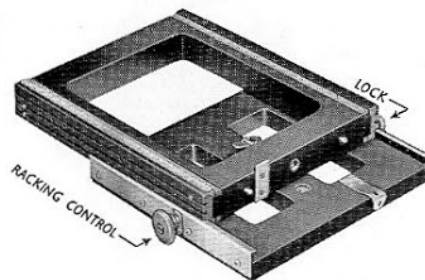
### TO ERECT CAMERA

The camera is delivered folded. It is so arranged that, when the camera is folded, the bellows are protected at the rear by the frame-work of the body and at the front by the camera bed. The bed is secured by a snap-fastener to the metal strip on the camera front. Gently release the snap-fastener and allow the bed to drop forward until in line with the base of the camera. Lock it in this position by screwing up the captive wing-bolt. The camera front may then be racked forward for use.



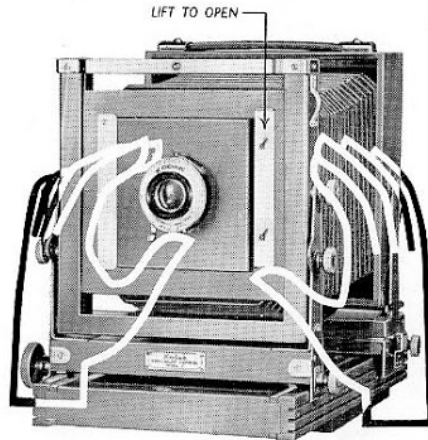
### EXTENSION BED

This bed enables the camera body to be racked back for a distance equal to the total forward movement of the lens board—in other words it makes double-extension photography possible with a lens of 8-inch focal length or less. To attach the bed, engage the pins on the extension with the sockets on the camera base (they can be fitted only one way). Then screw up the wing bolt while holding the extension bed level. The action of attaching the bed automatically releases the stop catch which normally prevents the body from over-running, and thus allows the camera to be racked on to the extension.



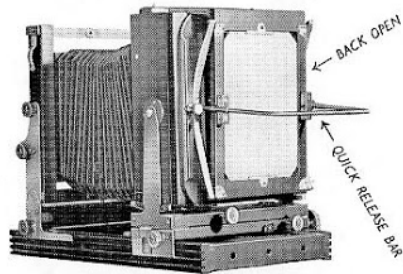
### AUXILIARY BASE

This base enables the whole camera to be moved back or forward on a tripod without altering the focus setting. It fits beneath the bed of the camera and is provided with a pinion which engages with the rack on the bottom of the bed. To fit the auxiliary base, first slacken the racking control locking screw. Fit the flanges of the base into the lower grooves of the camera bed and ease it into position until the pinion wheel engages with the rack. Then rack the base into position by turning the control knob.



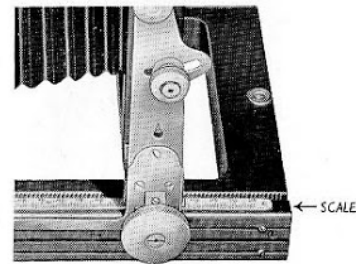
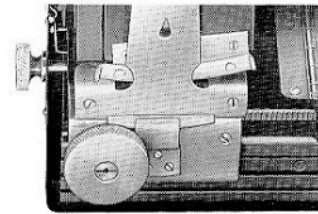
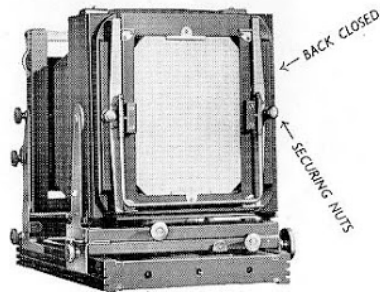
### FITTING THE LENS

The 203 mm. Kodak Ektar  $f/7.7$  Lens in 8-speed Epsilon Shutter is the standard lens and shutter assembly recommended for the use with the camera. It is ready mounted in a metal lens panel similar to the blank supplied with the camera. To fit the lens and shutter, lift up the latch as shown in the picture, swing out the blank lens panel, fit the lens and shutter assembly in its place, then relock the latch. For instructions on using this lens and shutter see page 8.



### REVERSIBLE BACK

The reversible back enables pictures of either horizontal or vertical format to be taken with equal facility. To change from one to the other, unscrew the two milled thumbscrews and lift off the complete back, turn it through  $90^\circ$  and re-attach it. Screw holes are provided on the four sides of the camera body aperture. To insert a film or plate-holder, swing out the quick-release bar until it clicks into position at right-angles to the screen. Slide in the holder until it is correctly positioned in the focal plane. To lock it in position, return the swing-bar to the rest position.



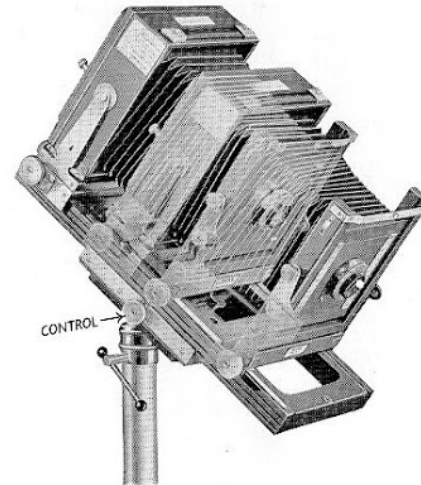
### FOCUSING

Two knurled knobs are provided for focusing the camera. The front focusing control racks the lens board forward or backward, and the rear control moves the complete back of the camera. To obtain the approximate extension required, use the front control; the rear control is for fine focusing and is also used to rack the camera on to the Extension Bed. To lock the camera at the required setting, turn clockwise the locking knobs at the opposite ends of the spindles. Do not make adjustments without first turning the locks counter-clockwise to release the controls.

### FOCUSING FOR FIXED SIZE-RATIO

To ensure that pictures of a series are all to the same scale :

- 1 Rack the camera body right back (for images larger than half-size employ the extension bed).
- 2 Adjust camera position, and focus normally until image height on screen is correct.
- 3 Read the millimetre scale setting of the forward focusing control, and then note down this setting on the calibration plate at the side of the camera. When further pictures of the series are required, fit the same lens, set the forward focus to the point noted on the plate and then *move the complete camera and tripod* until it is approximately in focus. Fine focusing must be carried out by moving the whole camera forward or backward *on the auxiliary base*.



## RISING FRONT

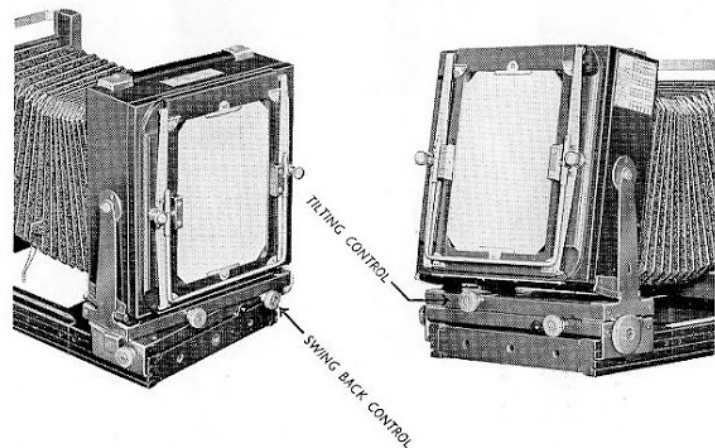
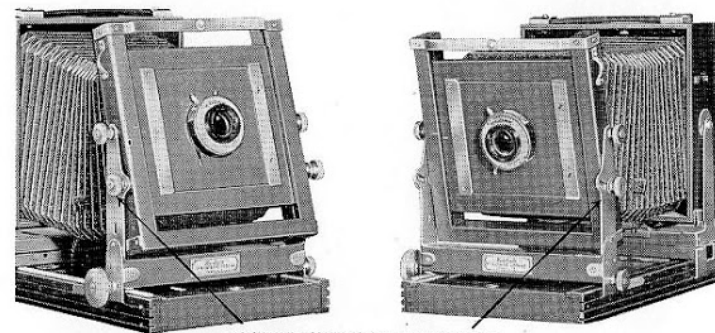
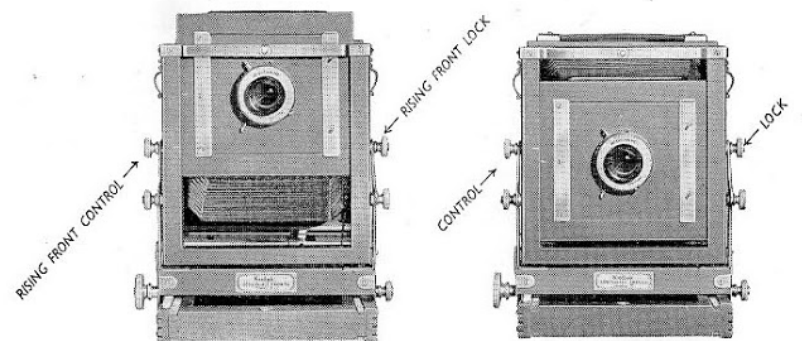
This lens movement is controlled by the upper knob on the right-hand side of the lens board (see illustration). It is locked by a similar knob on the left-hand side. Do not operate the rising-front control unless the lock has first been released, otherwise the mechanism will be damaged. The front will rise  $2\frac{1}{8}$  inches above, and fall  $\frac{1}{8}$  inches below normal. Zero position is indicated by a pair of white lines, one on the lens board and one on guide. This movement can be used where pictures above or below camera level are required with perspective correction. Normally, sufficient camera-to-subject distance will achieve this, but at the expense of a small image and considerable unwanted foreground. A rising front gives the same effect as tilting the camera upwards, but without the convergence of vertical lines.

## TILTING FRONT

The tilting front is controlled by the middle knobs on either side of the lens board. These are both locking screws. To adjust the tilt, slacken off both screws. The angle of tilt can be varied by  $8^\circ$  to either side of the vertical. Zero position is indicated by a white line on the moving portion centred behind an aperture in the support. This movement is often used in conjunction with the rising front, as follows. If it is necessary to raise the front considerably, there may be a slight falling-off in illumination at the top of the subject (bottom of the focusing screen). In this case, the front should be tilted until the condition is rectified. When the front is tilted in this way, it may be necessary to stop down considerably to maintain an overall sharp image, owing to the fact that the lens is no longer parallel to the plane of the film.

## SWING AND TILTING BODY

Two knobs are provided to control these two movements of the camera back. The right-hand knob under the focusing screen controls the amount of swing to left or right. The left-hand knob governs the amount of tilt. Zero position of the tilting movement is indicated by a white line on the moving portion centred behind an aperture. Both these adjustments are of self-locking anti-backlash type and will hold the back steady in any desired position. These movements are extremely useful when using the camera in confined spaces. If very often happens that a camera has to be placed so that it is not possible to get both sides of the subject (or foreground and background) in focus at the same time. The remedy usually employed is to stop down, but for interiors this leads to inconveniently long exposures unless powerful lights are available.



## EPSILON SHUTTER

The 203 mm. Kodak Ektar  $f/7.7$  Lens is mounted in an 8-speed Epsilon Shutter. This shutter has internal flash contacts which ensure perfect synchronization when the recommended speed settings are used, with either S.M. type (Speed Midget) or No. 5 type flash bulbs, or a Kodatron Speedlamp.

**Automatic Setting.**—Turn the shutter speed control ring until the speed pointer indicates the desired speed. Set the shutter by pressing the setting lever towards the synchronizer plug until it catches. To make the exposure, press the release lever or cable release.

**Setting B.**—Turn the speed control ring until the speed pointer indicates **B**. Set the shutter as for automatic exposures, then press the release lever or cable release. The shutter blades will open, and remain so, until the pressure on the release is relaxed.

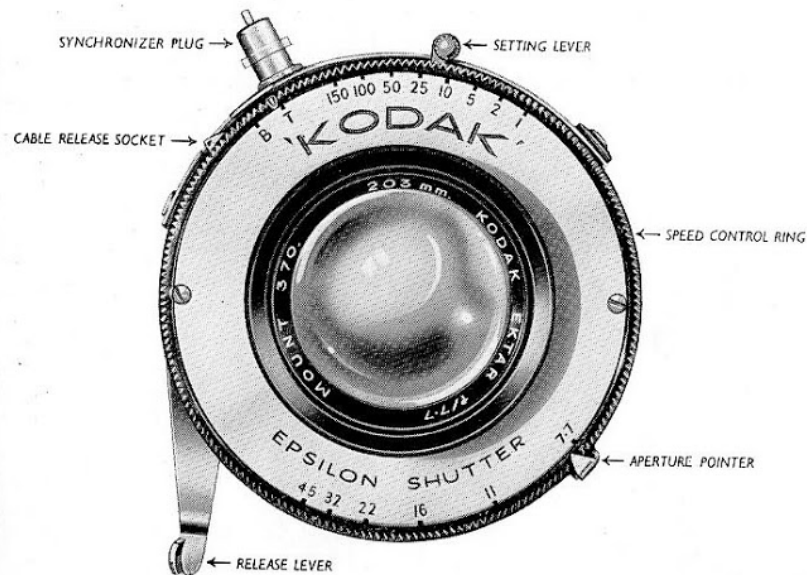
**Note.**—When using the shutter on **B** it is advisable to use a cable release to fire the shutter. This obviates the possibility of causing a tremor during the exposure.

**Setting T.**—Adjust the speed control ring to indicate **T**. Set the shutter as for automatic exposures and press the release lever or cable release. The shutter blades will open, and remain so, until the release is pressed again.

**Flash Settings.**—The flash contacts of the Epsilon Shutter are accurately set to fire either a Kodatron Speedlamp, or flash bulbs having a delay of 20 milliseconds or less, without special adjustment. Connect the trip extension socket of the Kodatron Speedlamp, or the extension cord of the flash lamp, to the plug on the rim of the shutter by means of the Flash Lead supplied.

**When using a Kodatron Speedlamp,** adjust the speed control ring to any desired speed and set the shutter; no further adjustment is necessary. When the release is pressed the flash will fire as soon as the shutter is fully open.

**When using Flash Bulbs,** adjust the speed control ring to 1/25 second, set the shutter and press the release. Higher shutter speeds than this should not be used, otherwise a part of the effective light may be lost.



**CAUTION.**—Do not insert a lamp in the reflector when the blades are held open on the **B** or **T** setting. The contacts are then closed and the lamp would flash, resulting in a serious burn. (A Kodatron Speedlamp may, however, remain connected without personal risk or damage to the circuit.)

## Assemblies for Specialized Work

The Kodak Specialist Camera Model 2 has been designed for technical photographers so that one basic camera can, with the aid of the accessories, carry out various tasks of widely differing character with equal facility.

It was decided to meet the needs of specialists in four of the principal spheres of technical photography; and this has achieved a considerable measure of success in satisfying the needs of all technical photographers.

The earlier part of this manual gives information about the basic camera and instructions for operating it.

Descriptions and, where necessary, operating instructions for the items which go to make the four assemblies comprising Police, Clinical, Laboratory and View cameras now follow.

Each assembly comprises the camera and accessories considered necessary for each distinct field of use.

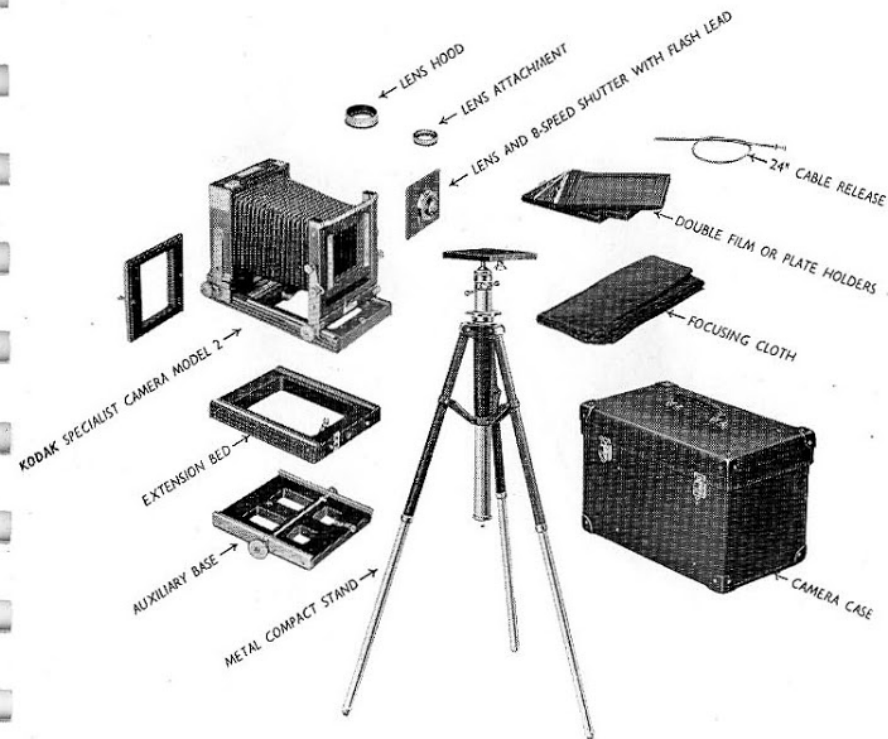
Perhaps apparatus shown as part of another assembly may be of use to you. Generally speaking, these single items can be supplied from stock.

A complete list of accessories normally available is given at the end of the assembly lists.

Assemblies are illustrated on the following pages.

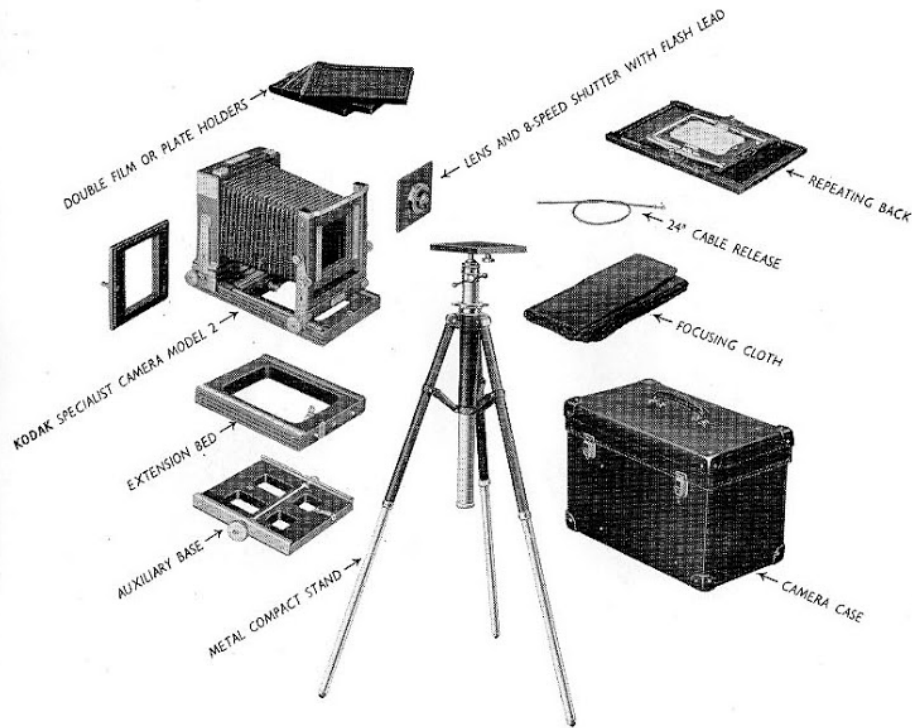
## Kodak Clinical and Laboratory Camera Assemblies

- 1 Kodak Specialist Camera Model 2 (complete)
- 2 203 mm. Kodak Ektar f/7.7. Lens in 8-speed Epsilon Shutter, with Flash Lead fitted to Lens Panel,  $4\frac{1}{2}'' \times 4\frac{1}{2}''$
- 3 24" Agilux Cable Release
- 4 Kodak Focusing Cloth, 38"  $\times$  48"
- 5 Kodak Metal Compact Stand
- 6 Kodak Camera Case Code 702 (not supplied with Kodak Clinical Camera Assembly)
- 7 Three Kodak Sheet Film Holders,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$ , or three Kodak Plate Holders,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$
- 8 Kodak Lens Attachment No. 370
- 9 Kodak Lens Hood No. 370



# Kodak Police Camera Assembly

- 1 Kodak Specialist Camera Model 2 (complete)
- 2 203 mm. Kodak Ektar f/7.7 Lens in 8-speed Epsilon Shutter with Flash Lead fitted to Lens Panel,  $4\frac{1}{2}'' \times 4\frac{1}{2}''$
- 3 24" Agilux Cable Release
- 4 Kodak Focusing Cloth,  $38'' \times 48''$
- 5 Kodak Metal Compact Stand
- 6 Kodak Camera Case Code 702
- 7 Three Kodak Sheet Film Holders or three Kodak Plate Holders,  $3\frac{1}{4}'' \times 4\frac{1}{4}''$ , or  $3\frac{1}{2}'' \times 5\frac{1}{2}''$ , or  $4\frac{3}{4}'' \times 6\frac{1}{2}''$
- 8 Kodak Repeating Back 3 on  $3\frac{1}{2}'' \times 5\frac{1}{2}''$ , or Kodak Repeating Back 2 on  $3\frac{1}{4}'' \times 4\frac{1}{4}''$



## ACCESSORY LIST

### for Kodak Specialist Camera Model 2

Kodak Specialist Camera Model 2, complete with Lens Panel, Reversible Back,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$ , Auxiliary Base and Extension Bed

Reversible Back,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$ , for Kodak Specialist Camera Model 2

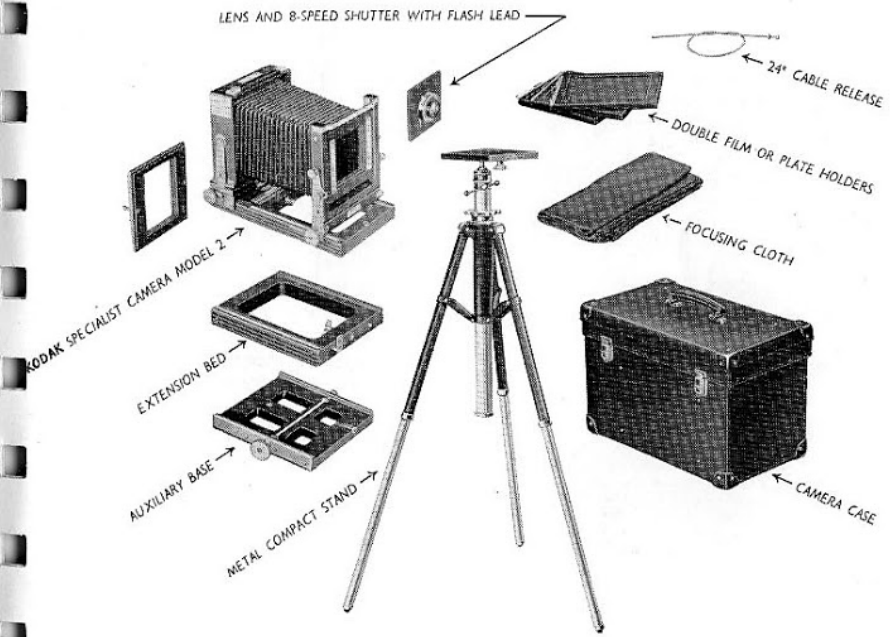
Repeating Back (Police), 3 on  $3\frac{1}{2}'' \times 5\frac{1}{2}''$

Repeating Back (Police), 2 on  $3\frac{1}{4}'' \times 4\frac{1}{4}''$

Kodak Lens Attachment No. 370

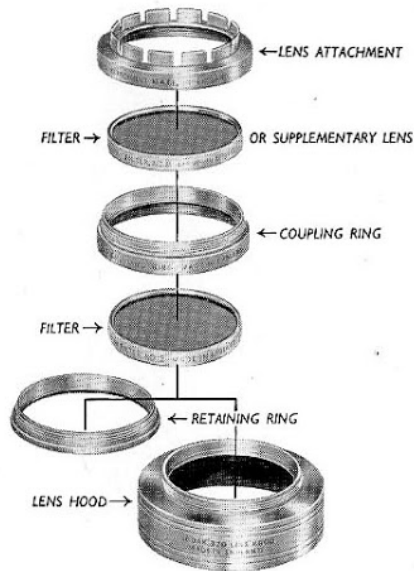
Kodak Lens Hood No. 370

203 mm. Kodak Ektar f/7.7 Lens in 8-speed Epsilon Shutter with Flash Lead,  $4\frac{1}{2}'' \times 4\frac{1}{2}''$



## Kodak Police Camera Assembly

- 1 Kodak Specialist Camera Model 2 (complete)
- 2 203 mm. Kodak Ektar f/7.7 Lens in 8-speed Epsilon Shutter with Flash Lead fitted to Lens Panel,  $4\frac{1}{2}'' \times 4\frac{1}{2}''$
- 3 24" Agilux Cable Release
- 4 Kodak Focusing Cloth,  $38'' \times 48''$
- 5 Kodak Metal Compact Stand
- 6 Kodak Camera Case Code 702
- 7 Three Kodak Sheet Film Holders or three Kodak Plate Holders,  $3\frac{1}{4}'' \times 4\frac{1}{4}''$ , or  $3\frac{1}{2}'' \times 5\frac{1}{2}''$ , or  $4\frac{3}{4}'' \times 6\frac{1}{2}''$
- 8 Kodak Repeating Back 3 on  $3\frac{1}{2}'' \times 5\frac{1}{2}''$ , or Kodak Repeating Back 2 on  $3\frac{1}{4}'' \times 4\frac{1}{4}''$



## Kodak Lens Attachments

The basic unit, the Kodak Lens attachment, has spring claws which slip over the brass rim of the lens mount. A detachable milled retaining ring unscrews to allow the insertion of a supplementary lens or filter. If desired, a lens hood may be substituted for this retaining ring. Alternatively, a coupling ring can be used. This acts as a retaining ring for the first filter and will accept a further filter in either the retaining ring or lens hood. For the 203 mm. Kodak Ektar f/7.7 Lens, order Kodak Lens Attachment No. 370 and size No. 370 filters and accessories.

## ACCESSORY LIST

### for Kodak Specialist Camera Model 2

Kodak Specialist Camera Model 2, complete with Lens Panel, Reversible Back,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$ , Auxiliary Base and Extension Bed

Reversible Back,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$ , for Kodak Specialist Camera Model 2

Repeating Back (Police), 3 on  $3\frac{1}{2}'' \times 5\frac{1}{2}''$

Repeating Back (Police), 2 on  $3\frac{1}{4}'' \times 4\frac{1}{4}''$

Kodak Lens Attachment No. 370

Kodak Lens Hood No. 370

203 mm. Kodak Ektar f/7.7 Lens in 8-speed Epsilon Shutter with Flash Lead and 24" 'Agilux' Cable Release

Lens Panel,  $4\frac{1}{2}'' \times 4\frac{1}{2}''$

$4\frac{1}{4}''$  Dallmeyer f/6.5 Wide Angle Lens

Sunk Lens Panel for the Kodak Specialist Camera Model 2

Kodak Reversible Adapter Back,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$  to  $3\frac{1}{2}'' \times 5\frac{1}{2}''$

Kodak Reversible Adapter Back,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$  to  $3\frac{1}{4}'' \times 4\frac{1}{4}''$

Kodak Repeating Back 3 on  $3\frac{1}{2}'' \times 5\frac{1}{2}''$

Kodak Repeating Back 2 on  $3\frac{1}{4}'' \times 4\frac{1}{4}''$

Kodak Sheet Film Holder,  $3\frac{1}{4}'' \times 4\frac{1}{4}''$

Kodak Sheet Film Holder,  $3\frac{1}{2}'' \times 5\frac{1}{2}''$

## ACCESSORY LIST

continued

Kodak Sheet Film Holder,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$

Kodak Sheet Film Holder adapted,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$  to  $3\frac{1}{4}'' \times 4\frac{1}{4}''$

Kodak Sheet Film Holder adapted,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$  to  $3\frac{1}{2}'' \times 5\frac{1}{2}''$

Kodak Plate Holder,  $3\frac{1}{4}'' \times 4\frac{1}{4}''$

Kodak Plate Holder,  $3\frac{1}{2}'' \times 5\frac{1}{2}''$

Kodak Plate Holder,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$

Kodak Plate Holder adapted,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$  to  $3\frac{1}{4}'' \times 3\frac{1}{4}''$

Kodak Plate Holder adapted,  $4\frac{3}{4}'' \times 6\frac{1}{2}''$  to  $3\frac{1}{4}'' \times 4\frac{1}{4}''$

Kodak Plate Holder adapted,  $3\frac{3}{4}'' \times 6\frac{1}{2}''$  to  $3\frac{1}{2}'' \times 5\frac{1}{2}''$

Kodak Focusing Cloth,  $38'' \times 48''$

Kodak Camera Case Code 702 for the Kodak Specialist Camera

Kodak Metal Compact Stand

Kodak, Kodatron and Ektar are trade marks



## Kodak Plates

The wide range of emulsions available meet the technical photographer's every need.

If you prefer to use sheet film, there is an equally comprehensive range available.

## Kodak Films

