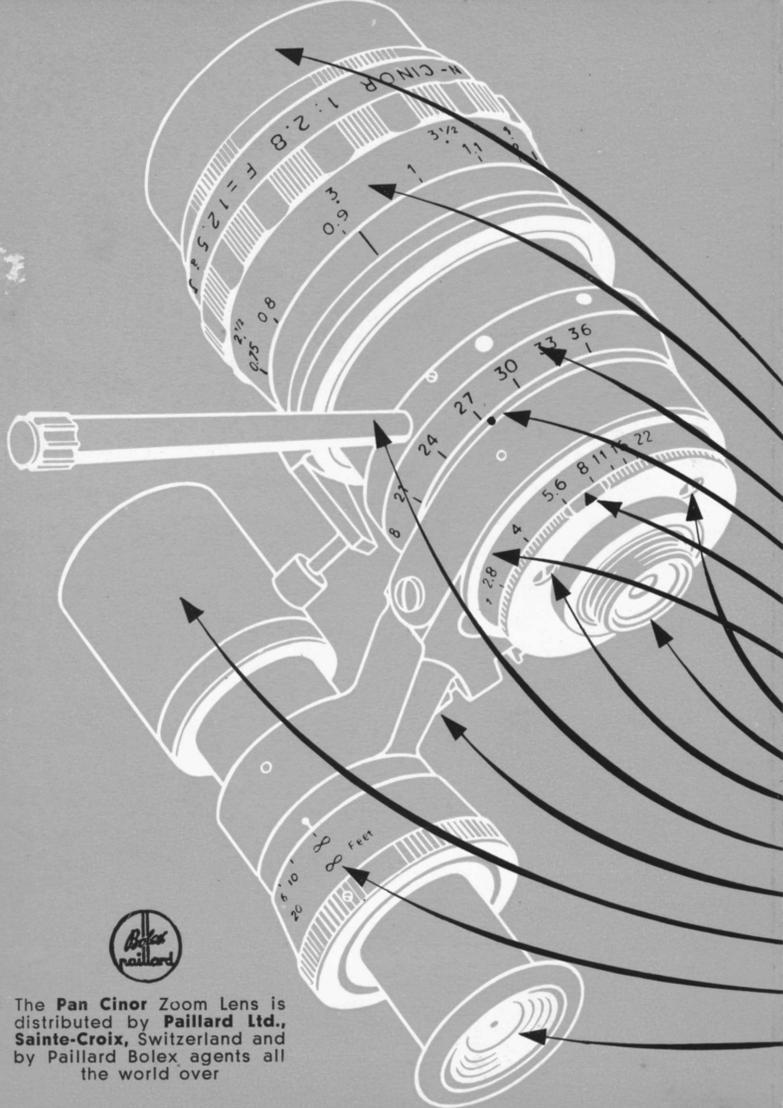




*Instructions for Use*

**PAN CINOR 8<sup>m</sup>**

1:2,8; f = 1/2" to 1 1/2" (12,5—36 mm)



## GENERAL

The **Pan Cinor** is a complete motion picture lens. Its focal length can be varied between  $\frac{1}{2}$ " and  $1\frac{1}{2}$ " (12.5 and 36 mm). The Pan Cinor is supplied complete with a coupled viewfinder. The field covered by this viewfinder exactly corresponds to that covered by the objective lens at all settings of the focal length.

## DESCRIPTION

The **Pan Cinor** is fitted with 3 controls:

- 1 A focusing ring with scale graduated between  $2\frac{1}{2}$  ft. and infinity.
- 2 A diaphragm setting ring covering stops between 1:2.8 and 1:22.
- 3 A ring for setting focal length, operated by a removable lever.

- Lens hood
- Distance focusing ring
- Focal length setting ring
- Focal length scale pointer
- Diaphragm aperture setting ring
- Diaphragm scale
- Screw for altering position of pointers
- Removable lever
- Milled screw for fixing viewfinder in position
- Sliding part of viewfinder
- Horizontal parallax corrector
- Viewfinder eyepiece



The **Pan Cinor** Zoom Lens is distributed by **Paillard Ltd.**, **Sainte-Croix**, Switzerland and by Paillard Bolex agents all the world over

## SETTING UP ON CAMERA

The **Pan Cinor** 8 mm Lens fits Paillard Bolex H8, B8 and L8 motion picture cameras. (With the latter, use the LUGOM adapter ring.)

Before mounting the Pan Cinor lens on a Bolex H8 camera, the turret should be locked in position with the special stopper supplied with the equipment. The stopper should be screwed into the opening in front of the ground-glass focusing prism. Then remove the H8 camera's viewfinder.

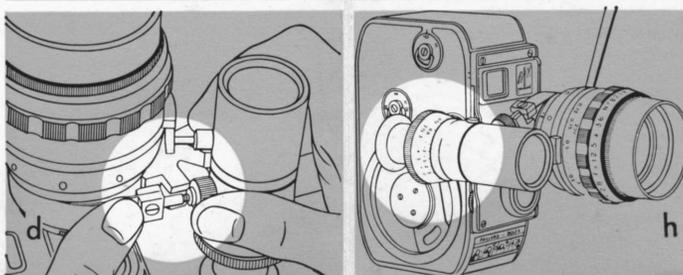
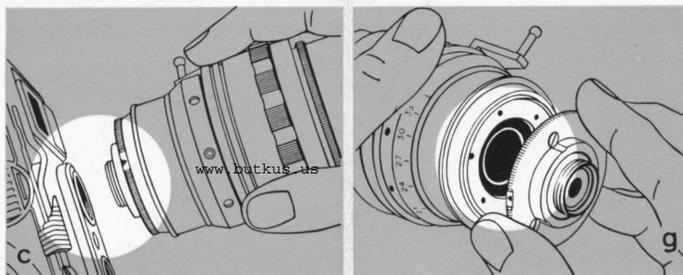
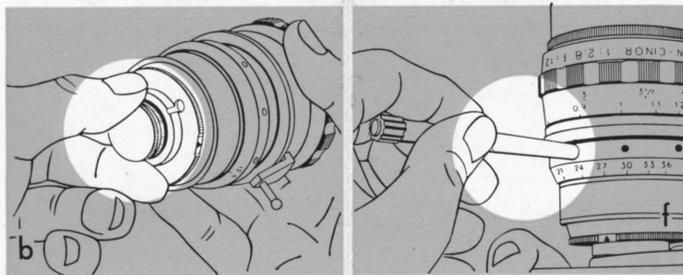
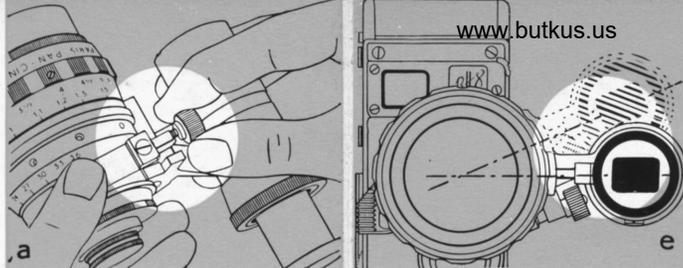
1. Unscrew the milled screw that fastens the viewfinder on the lens. Withdraw the end of the collar from the slot and remove the viewfinder. **(a)**

2. Unscrew the dust-cap fitted to the base of the Pan Cinor, and screw the latter onto the camera. In view of the weight of the lens, care must be taken to screw it gently into its socket, without forcing the thread, as otherwise the mount may be damaged. **(b-c)**

3. Now replace the viewfinder on the Pan Cinor, taking care that the nipple, which forms part of the lens assembly, fits in the socket in the sliding part of the viewfinder. Then replace the collar on the base of the lens and fasten it down **slightly** with the milled screw. **(d)**

4. Turn the viewfinder so that the front window lies on the same horizontal axis as the taking aperture on the camera. **(e)** Then tighten the milled screw down hard so that the viewfinder is held firmly in place.

The small perforation visible on the collar serves as an aid in positioning the viewfinder. For this purpose, it is sufficient, once the viewfinder has been trued up with respect to the taking aperture, to mark the position of the perforation **once and for all** with respect to some fixed part of the Pan Cinor or of the camera.



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5. Lastly, the removable lever can now be screwed into one of the threaded holes in the focal length setting ring. **(f)**

### POSITION OF SCALE POINTERS: —

All Pan Cinor lenses leaving the factory are adjusted so that the fixed scale pointers are in the best position for easy reading when the lens is used on a Paillard Bolex camera.

### To reset the pointers when the Pan Cinor is used with cameras of other makes:

— Unscrew the 3 screws visible through the openings in the diaphragm setting ring.

— Draw the diaphragm ring towards one in order to withdraw the base plate from its housing. Then turn the plate a third of a turn (i. e. 120°) to right or left as required, so that the pointers will be in the most convenient position when the Pan Cinor is set up on the camera. **(g)**

— Put back the 3 screws and tighten them well down.

**NOTE:** The Pan Cinor's viewfinder is normally mounted on the same side as the camera lid. However, in the case of Bolex B8 or L8 cameras, the viewfinder can be mounted on the winding key side (even during shooting), to avoid having to remove it before the camera can be opened. **(h)**

To mount the Pan Cinor on another make of camera, ask your dealer for advice, or, better still, let him do the job.

The Pan Cinor has been designed to obtain the best possible optical quality, making allowance for the different focal lengths. However, it will not always give an image of the same top quality as can be expected of a lens with fixed focal length.

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## USE

The purpose of the **Pan Cinor** is to produce artificial travelling effects without moving the camera.

In particular, continuous variation of the focal length enables one:

- a) apparently to come closer and closer to the subject, which gets increasingly larger on the screen, or on the other hand seemingly to move farther away from it, so as to include other surrounding objects in the picture = **optical travelling.**
- b) to follow a moving subject about, while keeping it the same size on the screen = **follow-on travelling.**

Success in filming with the **Pan Cinor** depends on the observation of certain important rules:

1. Whenever possible use a tripod to keep the camera steady.
2. Move the «zoom» (focal length) control slowly and gently, without jolting it.
3. Before starting a take, do not forget to correct the horizontal parallax.
4. Consult the Pan Cinor depth of field chart, which shows the depth of field available throughout the range of focal lengths covered by the lens.

**When the follow-on technique is used to shoot a moving subject, focusing can be done on the farthest distance that the subject will reach with the lens in the telephoto position. Since the depth of field is greatest when the lens is in the wide-angle (short focus) position, the subject will automatically lie within the field of sharp focus at shorter distances.**



## ATTACHMENTS

**FILTERS:** Filters of tinted glass for black-and-white films can be supplied in the usual shades. Kodak series VI and Ansco No 6 color film filters can also be used with the **Pan Cinor** by means of adapter ring B.



### To attach filters

1

Unscrew lens hood A

2

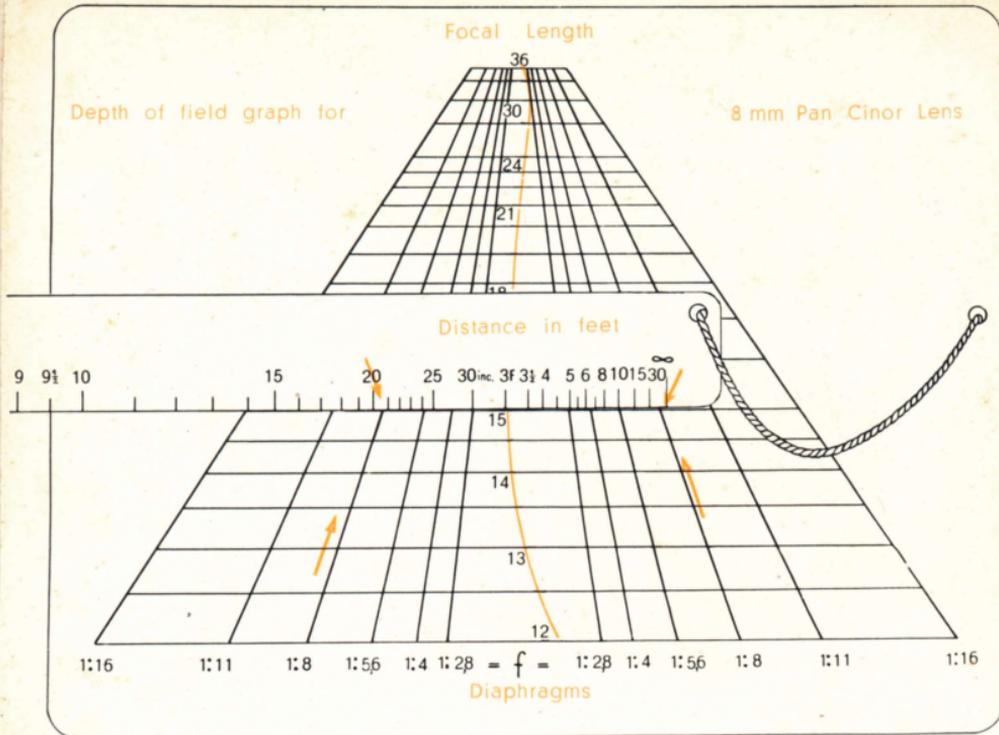
Screw on threaded ring B in its stead.

3

Slide the filter inside the ring

4

Screw lens hood A back in place, thus retaining attachment in position.



## HOW TO USE THE DEPTH OF FIELD CALCULATOR SUPPLIED WITH THE PAN CINOR LENS

1. Identify camera to object distance with corresponding mark on rule.
2. Superpose graduated rule edge with horizontal line pertaining to focal value setting of the lens.
3. Align distance mark on rule with red vertical focal length curve on table.
4. Read depth of field which ranges between the oblique lines corresponding to the aperture setting.

According to the example illustrated above, a focal setting of 15 mm, a medium camera to object distance of 3 ft. and an aperture setting of 1:5.6 give a depth of field ranging from 24" to 10'.

**IMPORTANT:** Note that the depth of field decreases when passing from wide-angle to the tele-lens setting.