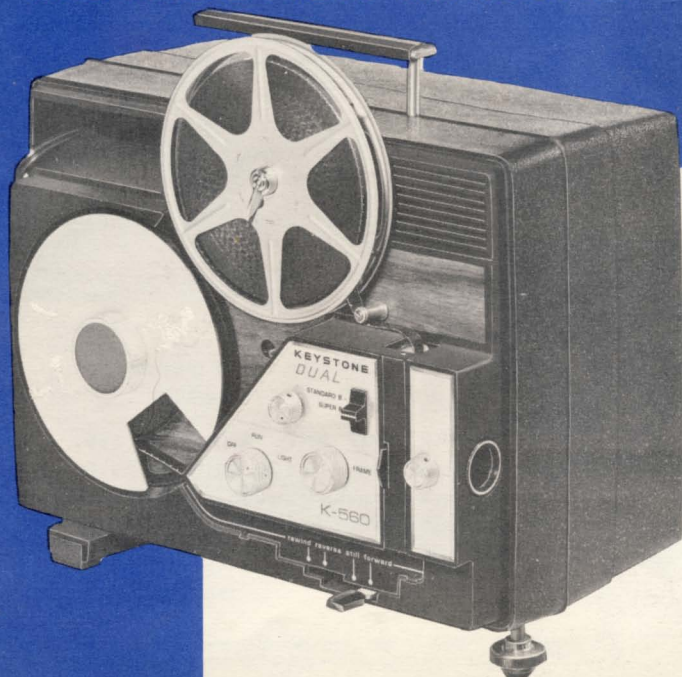


YOUR NEW  
**KEYSTONE**  
INSTRUCTION MANUAL

**DUAL-8**

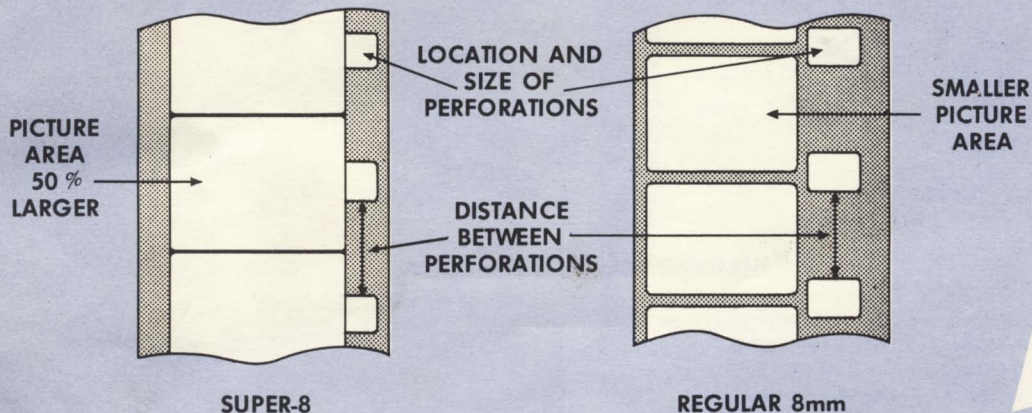


**MODEL K-560**  
**AUTO-INSTANT**  
**MOVIE PROJECTOR**

# GETTING TO KNOW YOUR PROJECTOR

Your Keystone Model K-560 Dual-8 Projector will accommodate both Super-8 and Regular 8mm film. Before using your Projector, read and follow these instructions carefully. The film sketches below visually explain why Super-8 film must not be used with a Regular 8mm projector or Regular 8mm film on a Super-8 projector. The K-560, however, eliminates this problem and will accept both Super-8 and Regular 8mm film.

## COMPARISON OF SUPER-8 AND REGULAR 8mm FILM

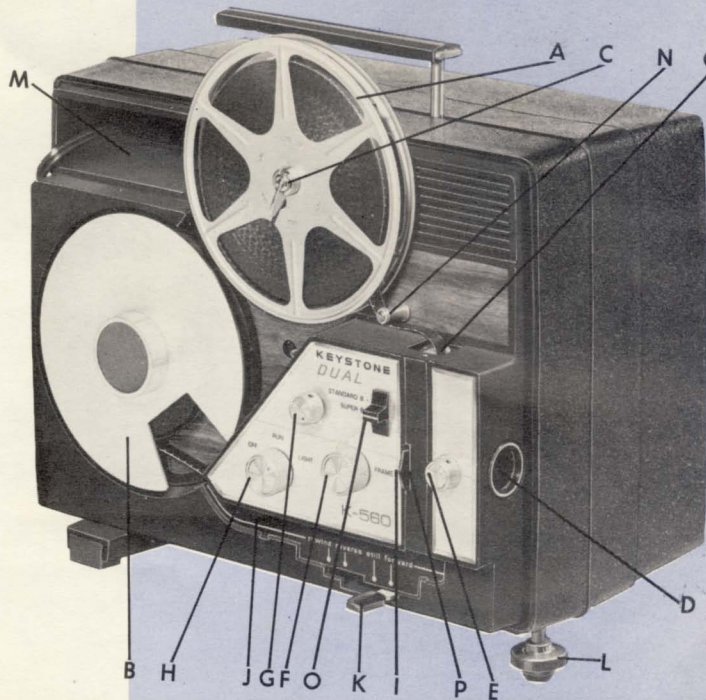


**NOTE:** To further identify the type of film, the processing labs return Super-8 film on a reel with a larger diameter hole than a regular 8mm reel.

# KEEP THIS PAGE OPEN FOR REFERENCE:

- A. SUPPLY REEL
- B. TAKE-UP REEL
- C. REEL SHAFT
- D. LENS
- E. FOCUSING KNOB
- F. FRAMING KNOB
- G. THREADING KNOB
- H. CONTROL KNOB
- I. PRESSURE PLATE
- J. FILM CHUTE COVER
- K. CONTROL LEVER
- L. TILT ELEVATION SCREW
- M. CORD STORAGE COMPARTMENT
- N. FILM ROLLER
- O. FORMAT SELECTOR
- P. APERTURE COVER
- Q. PLASTIC THREADING GUIDE

**IMPORTANT:** When projector is not in use, Control Lever should always be in "STILL" and Control Knob at "OFF". This assures better performance and longer life of product.



Subject to minor appearance changes.

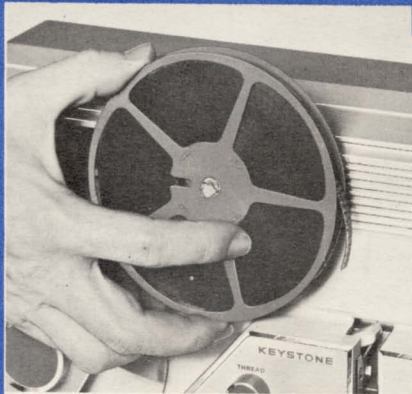


## SETTING UP

1. **REMOVE FRONT COVER** by turning Cover Lock counter-clockwise as illustrated. When replacing cover for storage, the Control Lever must be in "STILL" position. The cover has an interlock which prevents the cover from seating properly unless the Control Lever is in "STILL" position.
2. **MOVE FORMAT SELECTOR** (see "P" Page 1.) to "Standard 8" or "Super-8", depending on the type of film you wish to project. **NOTE:** The Format Selector can be switched at any time while running film without danger to film or mechanism. The Format Selector simply adjusts the size of the aperture.
3. **REMOVE PROJECTOR CORD FROM CORD COMPARTMENT AND PLUG INTO 110-120 VOLT ROOM OUTLET.** This projector operates on 110-120 volts 60 cycle ALTERNATING CURRENT ONLY. If you do not know the line voltage we suggest that you ask your local electric service company. If your line voltage is higher than the above rated voltage the life of the lamp will be shortened.



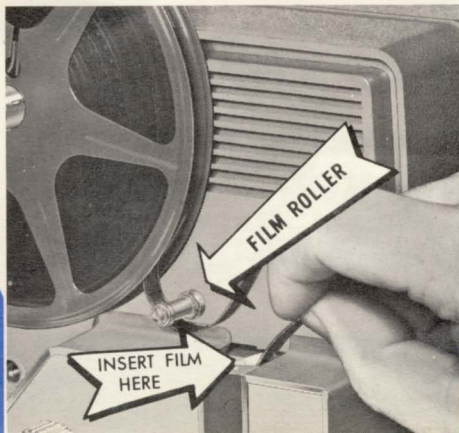
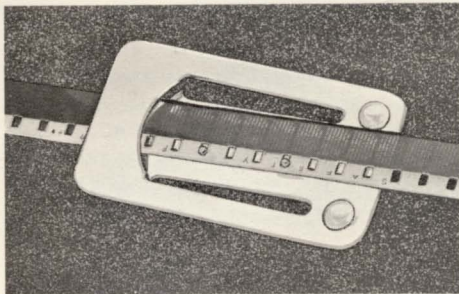




4. **SNAP ON SUPPLY REEL** by lining up one of three slots in reel hub with lug on Reel Shaft and pushing reel onto shaft. Lock Reel Clip against reel. The illustrations in this book show the supply reel shaft adapter in position to accommodate the Super-8 reel. When showing Regular 8mm film, slide adapter off shaft and place it on storage shaft inside Front Cover.



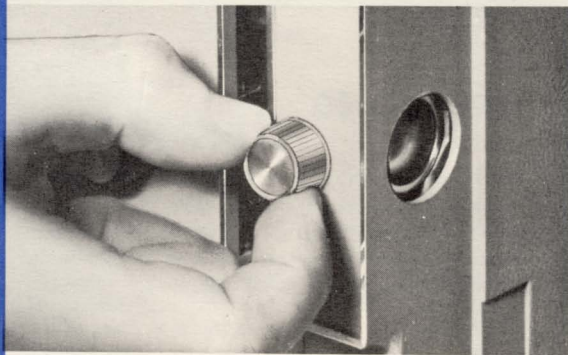
5. **ADJUST PROJECTOR TILT** Turn Control Knob to "LIGHT" position and Control Lever to "STILL". As this projector has a special safety shutter to prevent burning of film, the safety shutter must be released in order to project light on screen. Insert film (as illustrated) between plastic guide and pressure plate until light appears on screen. Rotate Threading Knob if necessary: Turn Tilt Elevation Screw until projected field of light is at proper elevation on screen. Turn Control Knob to "OFF" until ready to thread your film.



## THREADING with Auto-Thread

1. First, to insure perfect threading with either Super-8 or Regular 8mm film, round off film end with film clipper which is located inside Front Cover. Place film perforation over Clipper locating pin and firmly press down Clipper. It is necessary to clip film each time it is torn or damaged.
2. Thread film under Film Roller (as illustrated). Insert film between plastic guide and Pressure Plate and press down firmly. Film entrance is further identified by an arrow marked on Aperture Cover.
3. Start projector by moving Control Knob to "RUN" position.
4. Move Control Lever to "FORWARD". Once film begins to move, it will be guided through the threading mechanism and will engage the Take-up Reel automatically.

**NOTE:** If film does not engage properly on Take-up Reel, check for bent reel flange. If bent, flange may be easily straightened. To remove Take-up Reel, pull straight out from projector.



## FOCUSING THE MAGNASCOPE LENS ...

The Magnascope Lens is especially designed to project a wide image that fills the screen from a short distance. Once the projector has been threaded, turn Control Knob to "LIGHT". Turn the Focusing Knob either way until image on screen is needle sharp.

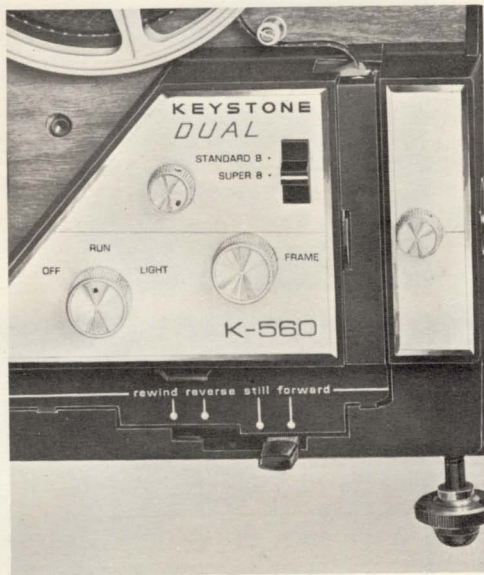
## TABLES OF PROJECTED PICTURE SIZES

### MAGNASCOPE LENS

Distance From Screen	4'	5'	6'	8'	10'	12'	14'	16'
Width of picture using Super-8 Film	1'	1'4"	1'7"	2'1"	2'8"	3'2"	3'9"	4'3"
Width of picture using Regular 8 Film	10"	1'	1'3"	1'8"	2'1"	2'6"	2'11"	3'5"

These tables are for reference. You can easily fit the picture to the screen by eye, if you wish.





## OPERATING ...

Turn Control Knob to "LIGHT" position and move Control Lever to "FORWARD". Projection lamp will light, film will move and be projected. Adjust focus to hair-line sharpness as shown on Page 5.

**FRAMING:** If projected picture is "cut off" at top or bottom, slowly turn Framing Knob (see "F" Page 1) in either direction until a full picture is in view.

**STILL:** This position stops the action at any stage of film you choose. Simply move Control Lever to "STILL". If picture is dark, turn Threading Knob (see "G" Page 1).

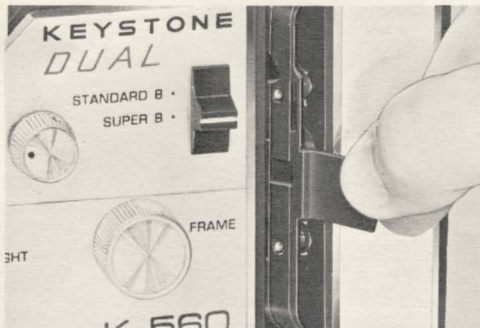
**REVERSE:** This position makes action go backwards, creating humorous scenes. Move Control Lever to "REVERSE" and film will change direction immediately.

## REWINDING . . .

After film has been shown, the safety shutter will drop into position protecting the last frames of film from burning. Move Control Lever to "STILL" and turn Control Knob to "OFF". With finger holding film, manually turn Take-up Reel clockwise until all film is wound on Take-up Reel. Thread film directly to Supply Reel as illustrated. Turn Control Knob to "RUN" and Control Lever to "REWIND". When film is fully rewound, turn Control Knob to "OFF" and move Control Lever to "STILL". Film is now ready for your next show.

**IMPORTANT:** When projector is not in use, Control Lever should always be in "STILL" and Control Knob at "OFF".





## REMOVING PARTLY SHOWN FILM FROM THREADING MECHANISM . . .

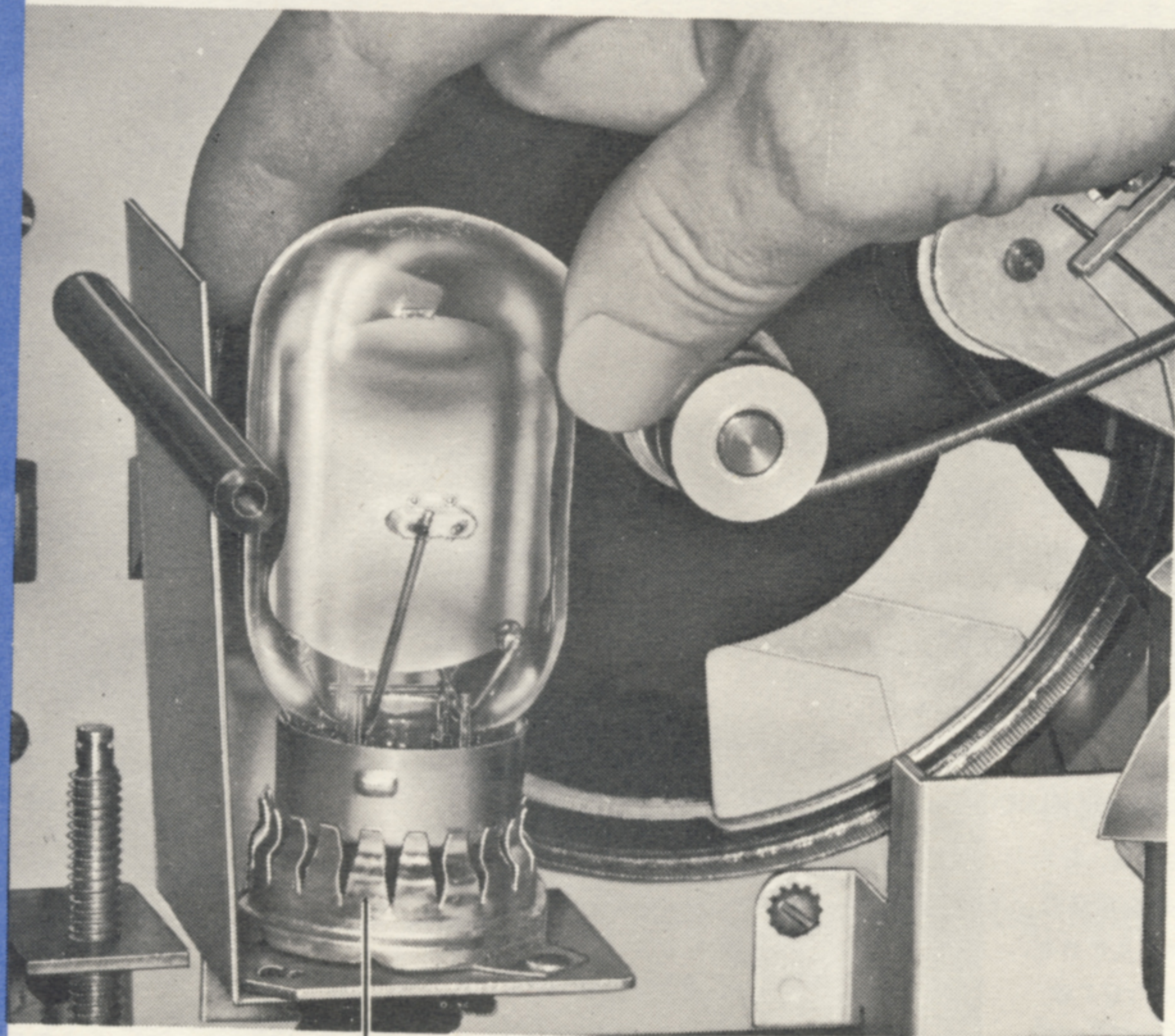
You can, if you wish, quickly remove a film when only partially shown. Turn projector "OFF". Remove Aperture Cover (see "P" Page 1) by grasping top and bottom between thumb and forefinger and pulling toward you. Remove Film Chute Cover (see "J" Page 1) by grasping tab and pulling toward you as shown in top photo.

**CAUTION:** Before removing the Pressure Plate, rotate Threading Knob (see "G" Page 1) until the dot is at 9 o'clock as shown in lower photo. Remove Pressure Plate (see "I" Page 1) by moving tab toward front of projector and sliding Pressure Plate out as illustrated.

After removing Pressure Plate, film can easily be removed from automatic threading mechanism. (Be careful that film does not loop over reel causing it to twist.) Rewind film as shown on Page 7. Replace Pressure Plate, Film Chute Cover and Aperture Cover. Now you are ready to show your next reel.



## INSERTING THE LAMP IN PROJECTOR



LAMP SOCKET

A Tru-flector lamp was installed in the lamp socket of your projector prior to packing and shipment from the factory.

### REPLACING THE LAMP...

**CAUTION:** Before attempting to replace lamp, check to insure that the Control Knob is in the "OFF" position, that the projector is cool and that the power cord is removed from the electrical outlet.

Remove the rear cover by turning the two screws counter clockwise and sliding cover off. Either a coin or small screwdriver may be used. Remove used lamp by lifting straight up as illustrated (DO NOT TWIST.) Examine the bottom of replacement lamp. Line up the key on base of lamp with slot in lamp socket and press lamp straight down until it is fully seated. (DO NOT TWIST.) Replace rear cover and tighten both screws securely.

**CAUTION:** Do not test lamp or operate projector until the rear cover is replaced.

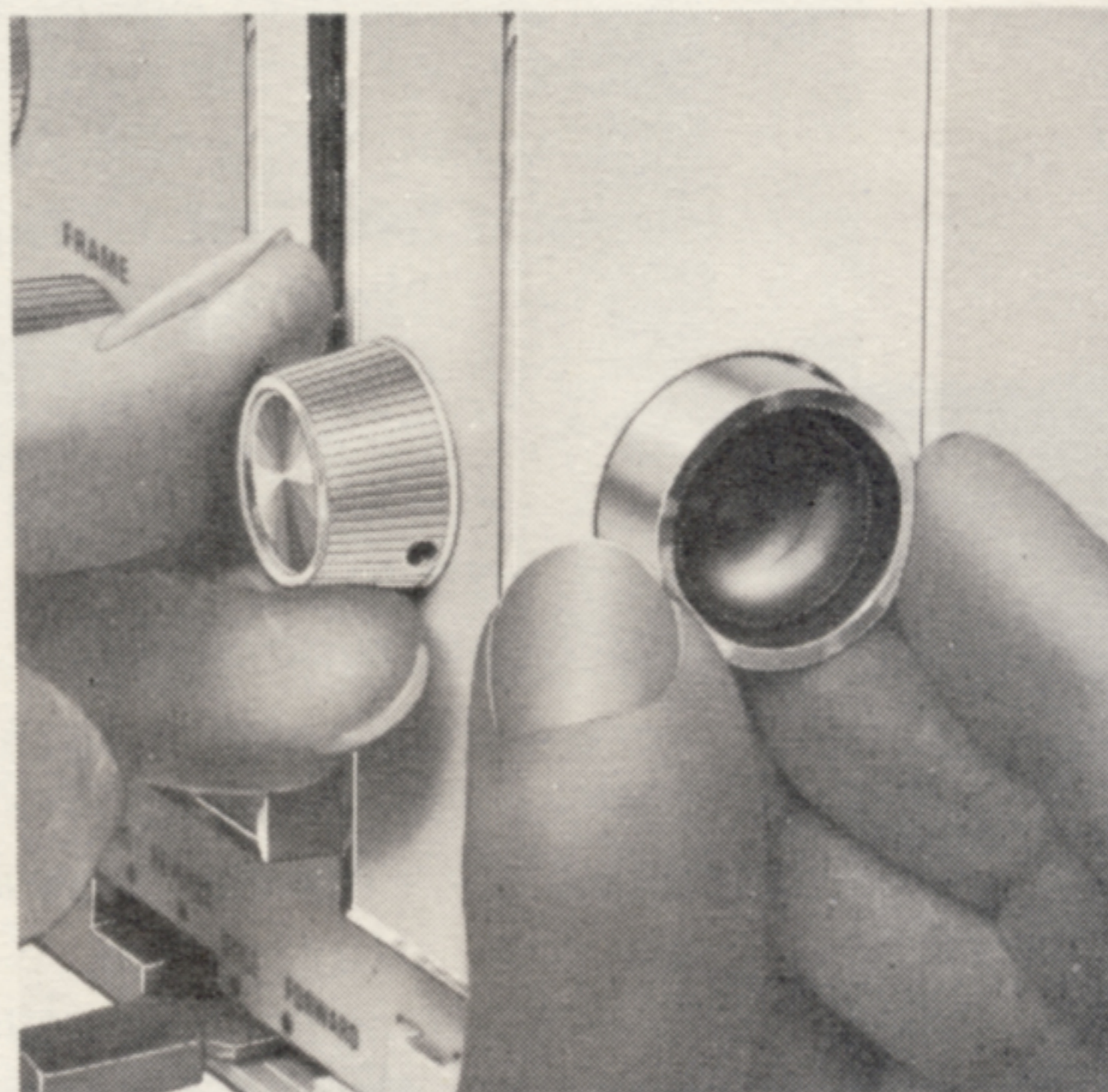
Replacement lamps may be obtained from your Keystone dealer. When ordering a replacement, the same type lamp only should be used. The correct lamp type is marked in a prominent location near the lamp socket. To assure maximum lamp life and screen brilliancy, make certain that your line voltage is approximately the same as voltage rating specified.



# CARE OF PROJECTOR...

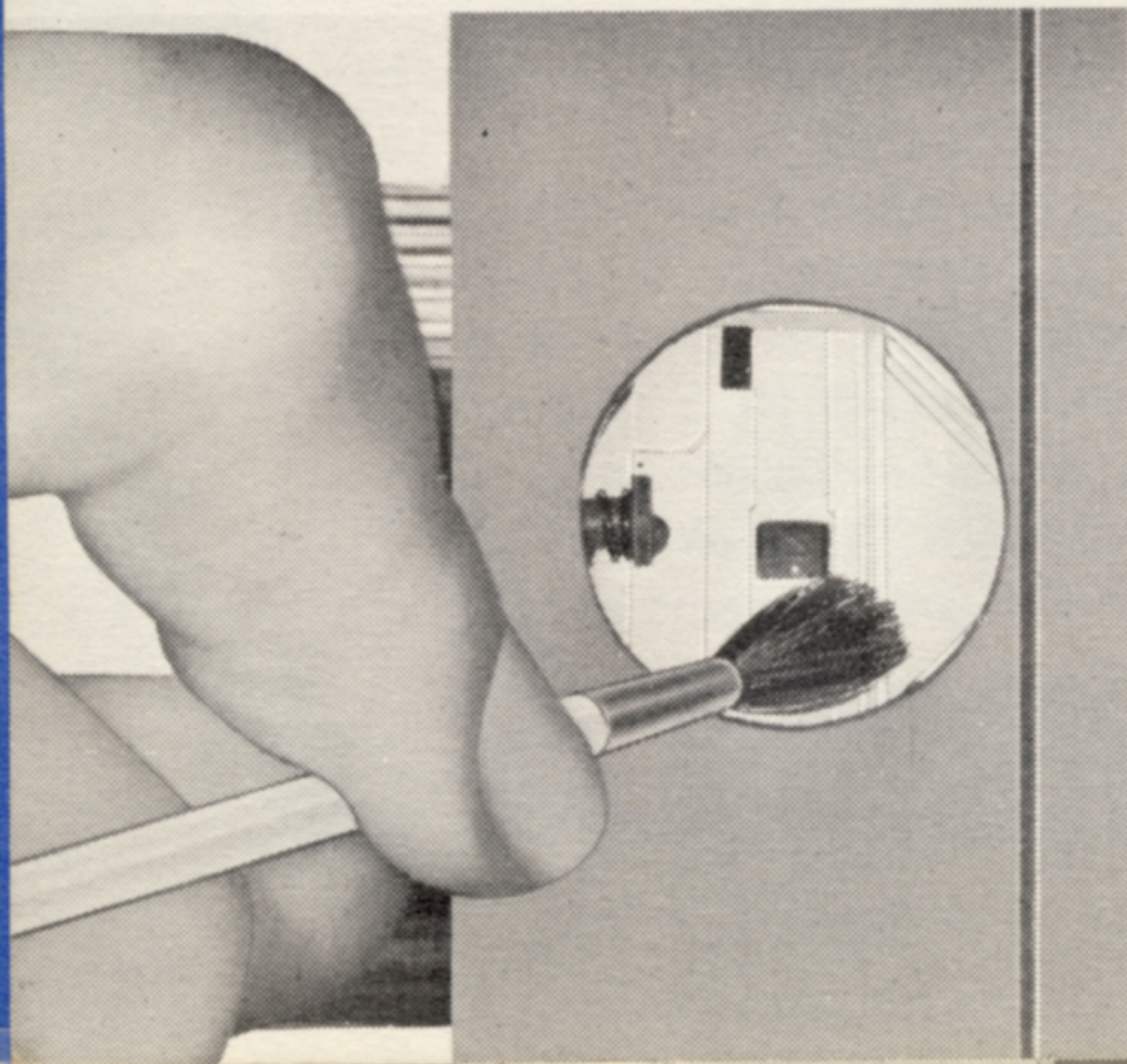
## REMOVING THE PROJECTION LENS

To remove — and replace — projection lens, pull out focusing knob slightly. The lens barrel then slides out easily. Clean outer lens surfaces with soft-hair brush or soft, clean, lintless cloth. Do not try to take the lens apart. Remove Pressure Plate as illustrated on Page 8 by moving forward and sliding out. Wipe the track on both the Pressure Plate and Aperture Plate with a cloth moistened slightly with alcohol or cleaning fluid.



## CLEANING THE APERTURE

To clean Aperture, after removing Projection Lens, insert a small, soft-haired brush or a piece of soft cloth wrapped about a pencil through Lens Holder and into the Aperture. **Your projector is lubricated for life. You never oil it.**



## SEND IN YOUR GUARANTEE REGISTRATION CARD

Your Keystone Dual-8 Projector carries a guarantee, subject to the limitations noted on the registration card enclosed with the projector. The guarantee does not become effective unless your registration card is filled out completely and mailed to the Keystone factory within 30 days from date of purchase.

**FILL OUT REGISTRATION CARD  
AND MAIL IT TODAY. YOUR PRO-  
JECTOR'S SERIAL NUMBER IS ON  
REAR COVER NAMEPLATE.**



## HELPFUL HINTS

The proper operation of your new Keystone Dual 8 Projector is, in part, dependent upon your film being in good condition. Frayed leading edges, torn sprocket holes, burned frames and poorly made splices will all adversely affect the threading and projection of your film. Keep your film in good repair and it will repay you with many hours of real enjoyment.

Unsteady pictures in projecting a particular roll of film can, in many cases, be traced to the lack of lubrication on the film surfaces. Eastman Kodak, in their projector instruction manual makes the following statement in regard to film lubrication: "Processed films are generally lubricated and to prolong their life and assure smooth quiet projection, they should be cleaned and relubricated periodically. Occasionally, film may not be lubricated by the processor. Lack of film lubrication can cause unsteady pictures."

If this is the case, lubricate the film with Movie Film Cleaner (with Lubricant) which is available from your dealer.



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KEYSTONE PLACE • PARAMUS, N. J. 07652

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Printed in U.S.A.