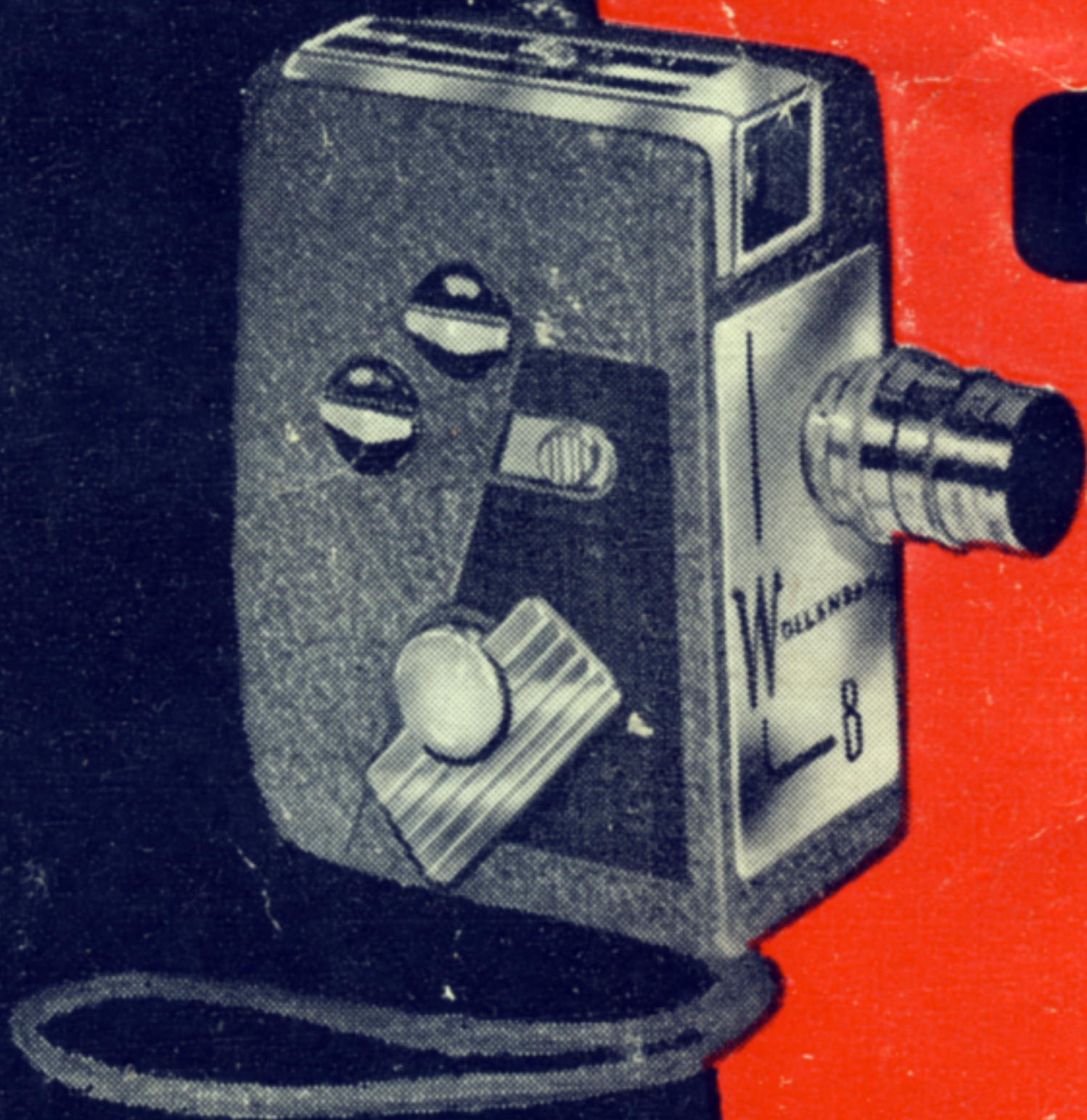


HOW TO MAKE MOVIES

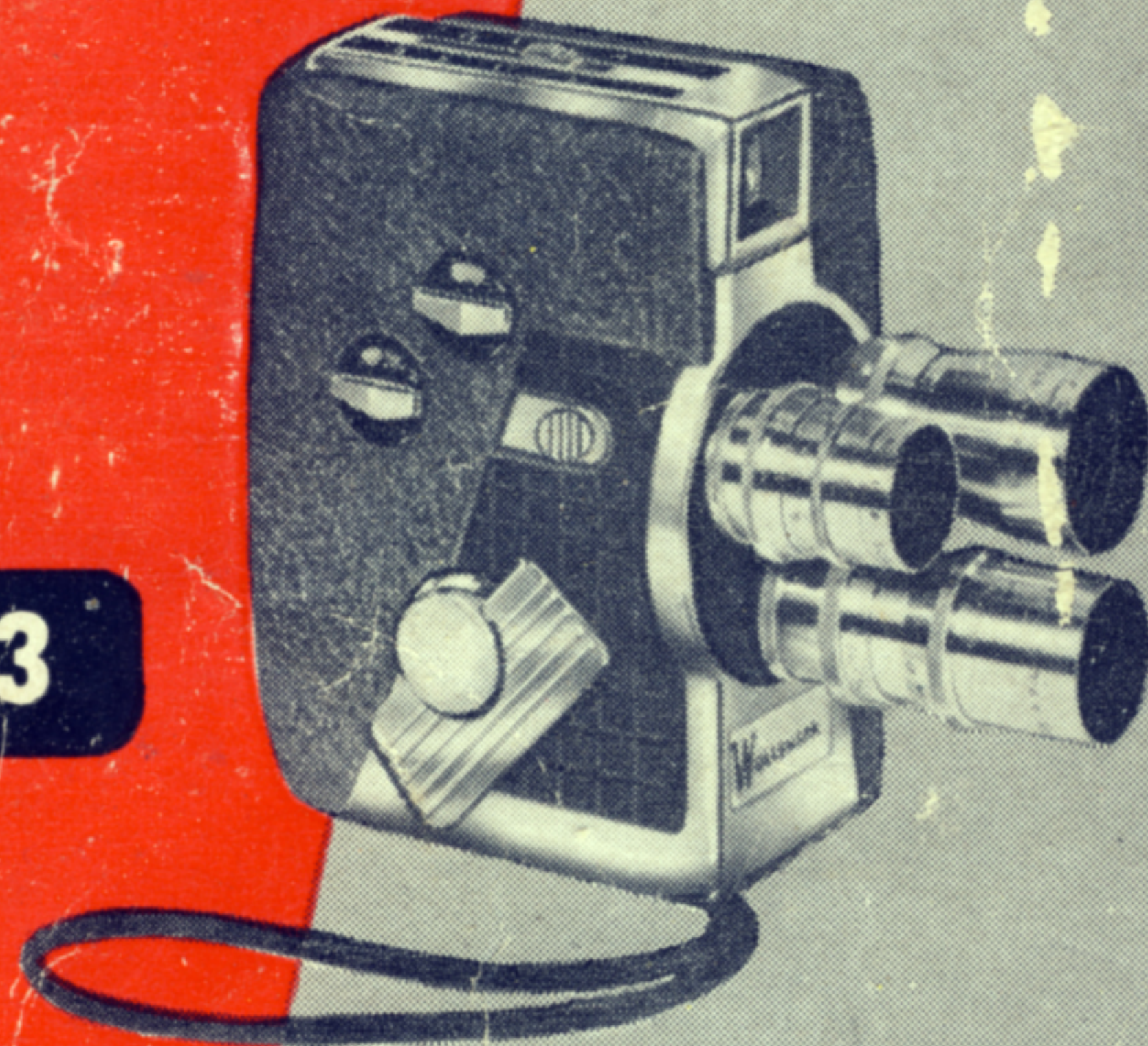
Wollensak

ROLL FILM EIGHT

58



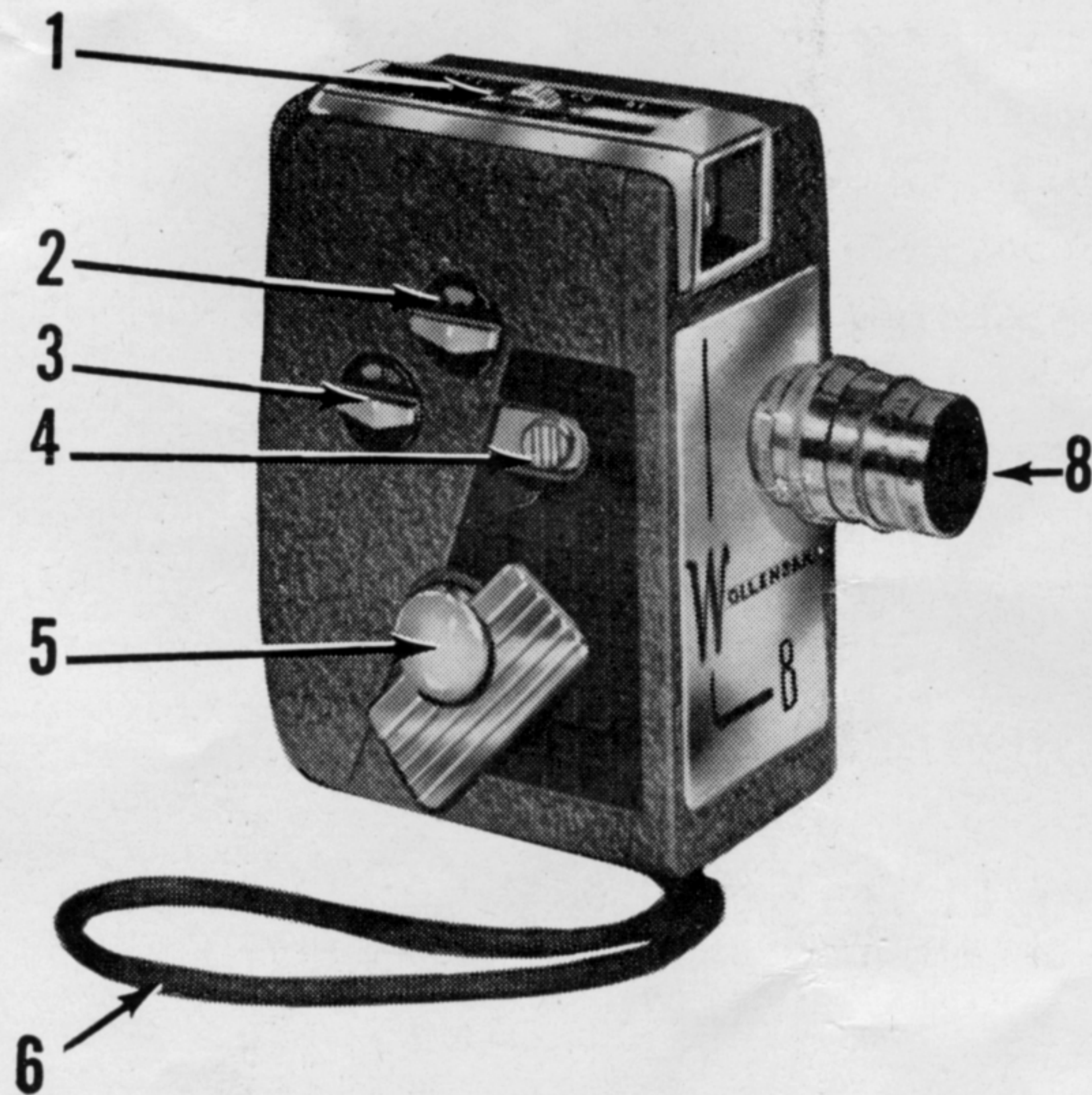
53



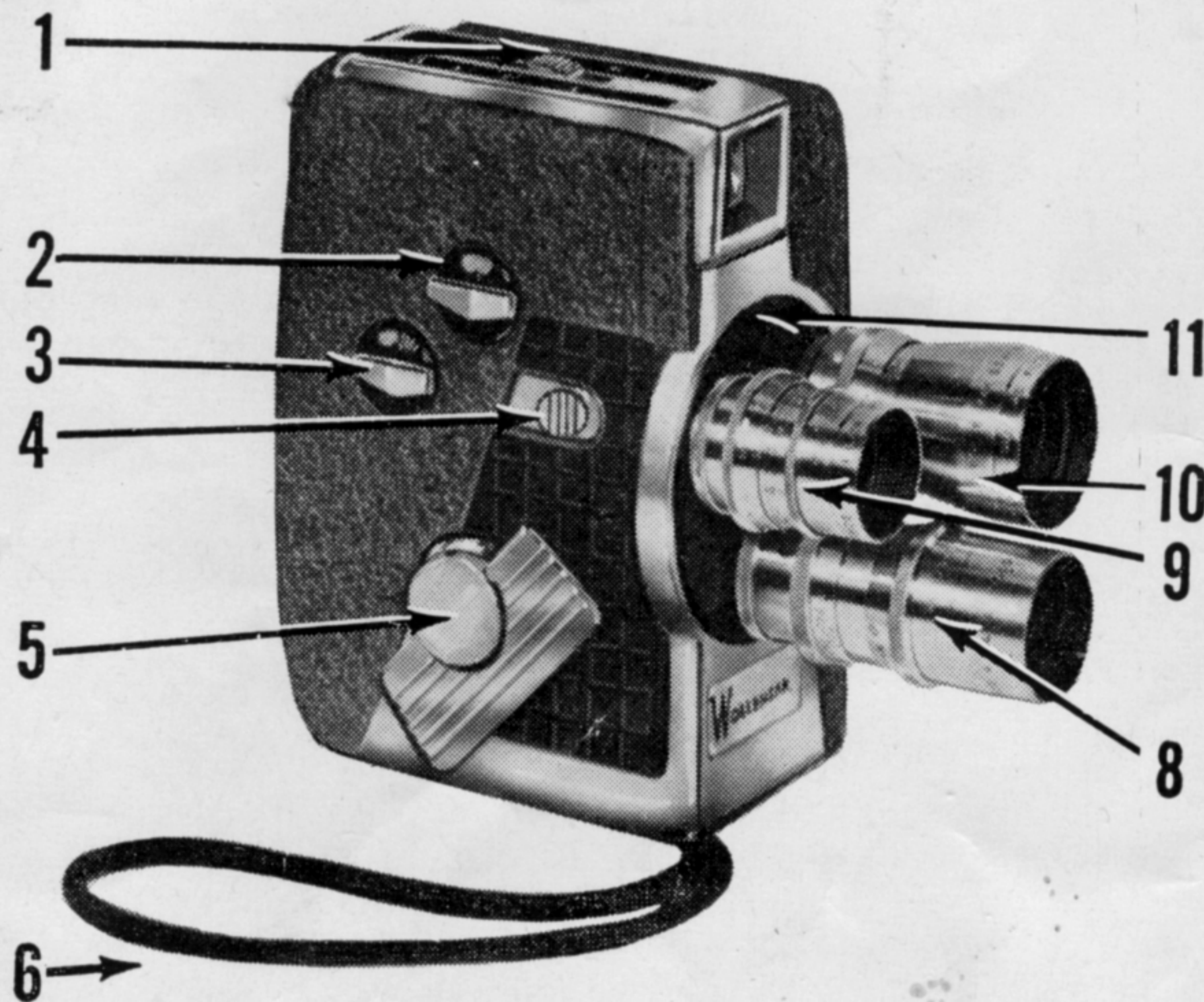
I N T R O D U C T I O N

Since 1899, the Wollensak Optical Company has been known for their production of fine optical lenses, and, precision, high speed cameras. Now we are turning our vast experience and knowledge to the design and manufacture of fine cameras for the amateur. This combined with the finest of materials and workmanship has produced a camera that is unexcelled in design and performance.

We are sure you will enjoy taking movies with your fine Wollensak "58" or "53", starting with your first roll of film. If you follow the simple instructions in this book, you will easily achieve movies you will be proud to show.



1. Slide-o-matic Viewfinder Button
2. Speed Control
3. Footage Meter
4. Operating Button
5. Winding Key
6. Safety Wrist Cord
7. Door Lock (See Exposure page)
8. 13 mm F1.9 Cine Raptar in Focusing Mount



1. Slide-o-matic Viewfinder Button
2. Speed Control
3. Footage Meter
4. Operating Button
5. Winding Key
6. Safety Wrist Cord
7. Door Lock (See page 11)
8. 38 mm (1½'') F2.5 Telephoto Cine Raptar in Focusing Mount
9. 13 mm F1.9 Cine Raptar in Focusing Mount
10. 6.5 mm F1.9 Wide Angle Cine Raptar in Fixed Focus
11. Three-Lens Turret Head

GENERAL CAMERA INSTRUCTIONS

To make good movies with your Wollensak "58" or "53" Camera, it is necessary to familiarize yourself with its construction and operation.

First, examine the outside of your camera. It is advisable to memorize the names of the controls and parts referred to in this book. Learn to: sight through the viewfinder and slide Slide-o-matic viewfinder button; adjust footage meter; slide operating button; wind spring motor; fasten safety wrist cord; open and close camera door; set lens for correct exposure; rotate turret head.

WINDING SPRING MOTOR—Before winding spring motor, be sure operating button is in neutral position. It is best to wind motor after each scene so full motor capacity will always be available. Before storing camera, be sure motor is run down.

OPERATING BUTTON—For normal shooting slide button back about half-way.

For continuous run, slide button all the way back. This gives you a chance to leave camera unattended while you get into your own movies.

For single frame exposures, push button forward. Only one frame at a time is exposed. Single frame exposures are ideal for animated titling.

FIVE SPEEDS—Wollensak "58" and "53" Cameras are provided with five speeds: 12, 16, 24, 32, and 48 frames per second.

Set at 12 to speed up pace of motion for amusing sequences. Also increases maximum rating of lens by one-half stop under poor light conditions.

Set at 16 for normal shooting.

Set at 24 when panning or shooting from moving vehicles to offset speed of motion.

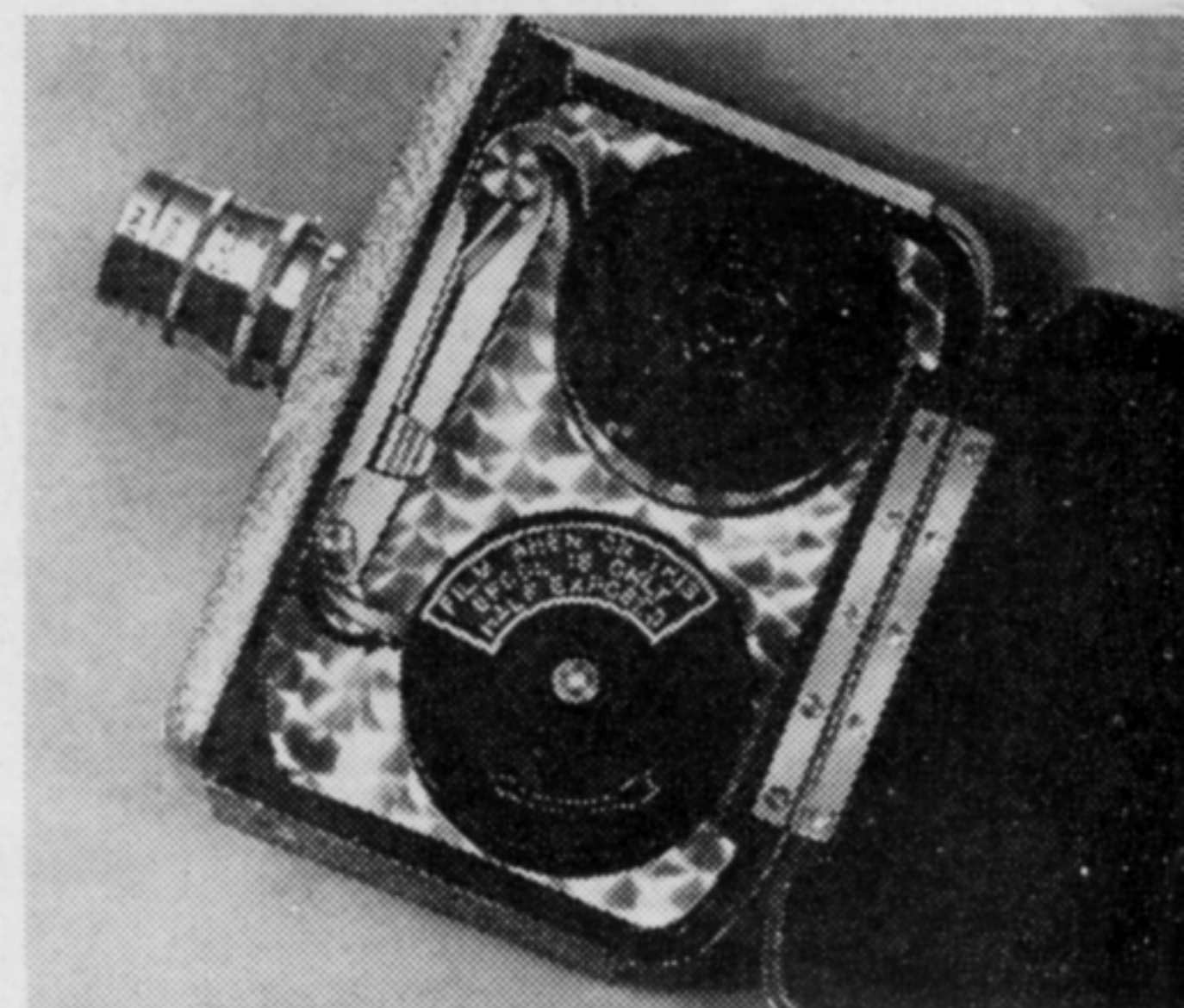
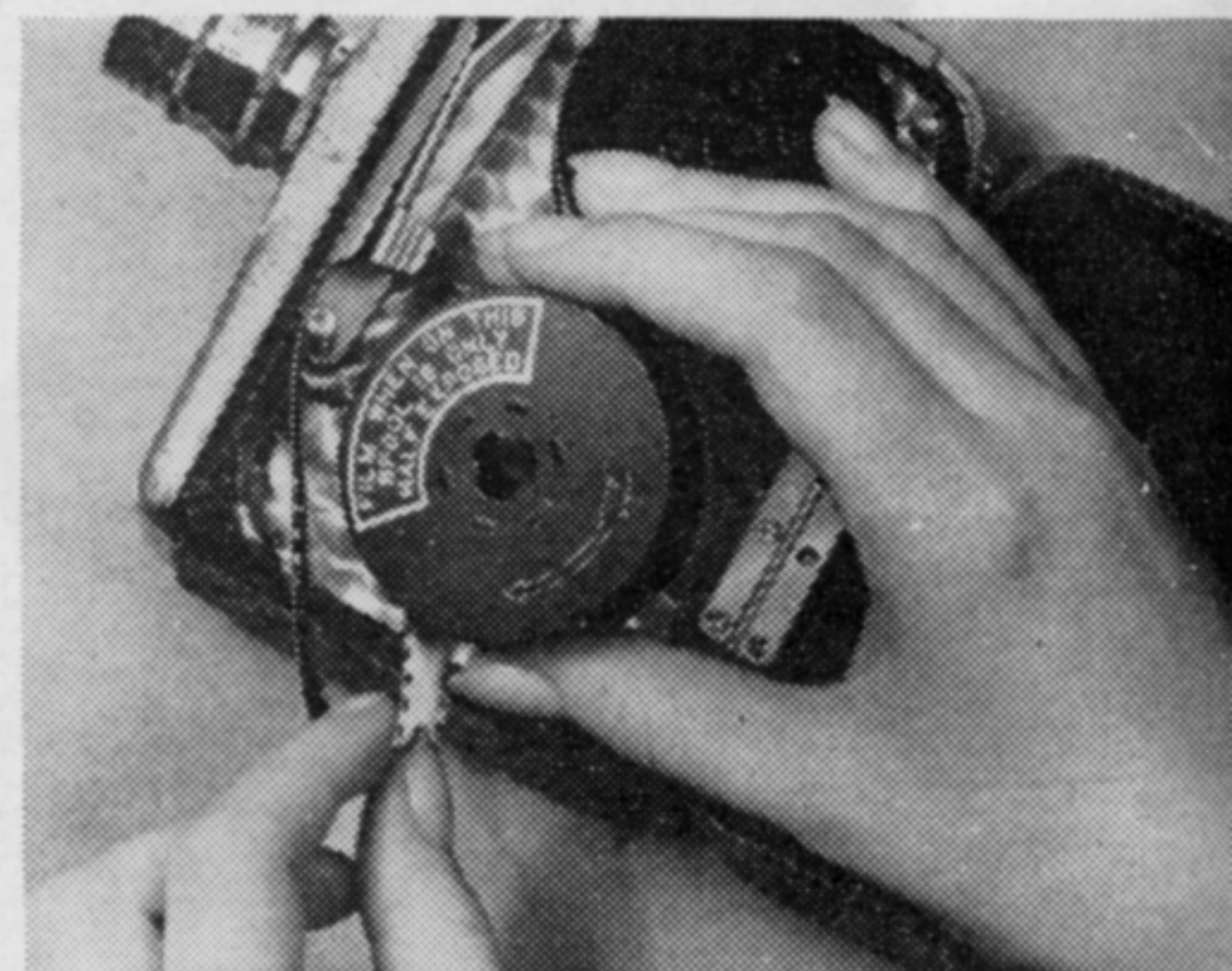
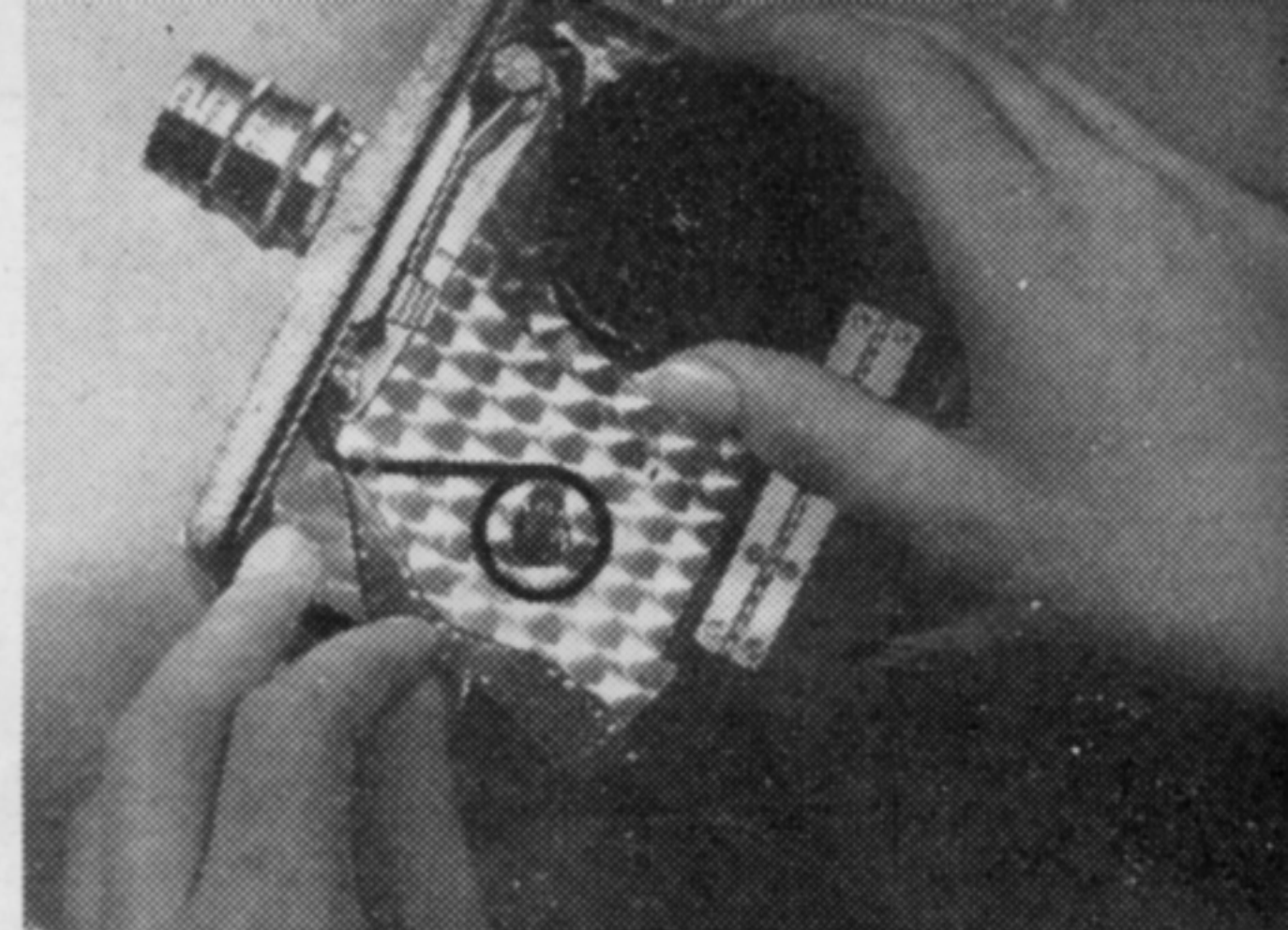
Set at 32 for semi-slow motion shots.

Set at 48 for slow motion. Subjects will appear to move on screen at one-third speed.

Note: Different speeds require corresponding changes from the normal lens opening as follows: At 12, $\frac{1}{2}$ f/stop smaller; at 24, $\frac{1}{2}$ f/stop greater; at 32, 1 f/stop greater; at 48, $1\frac{1}{2}$ f/stop greater.

LOADING THE CAMERA

load film in subdued light



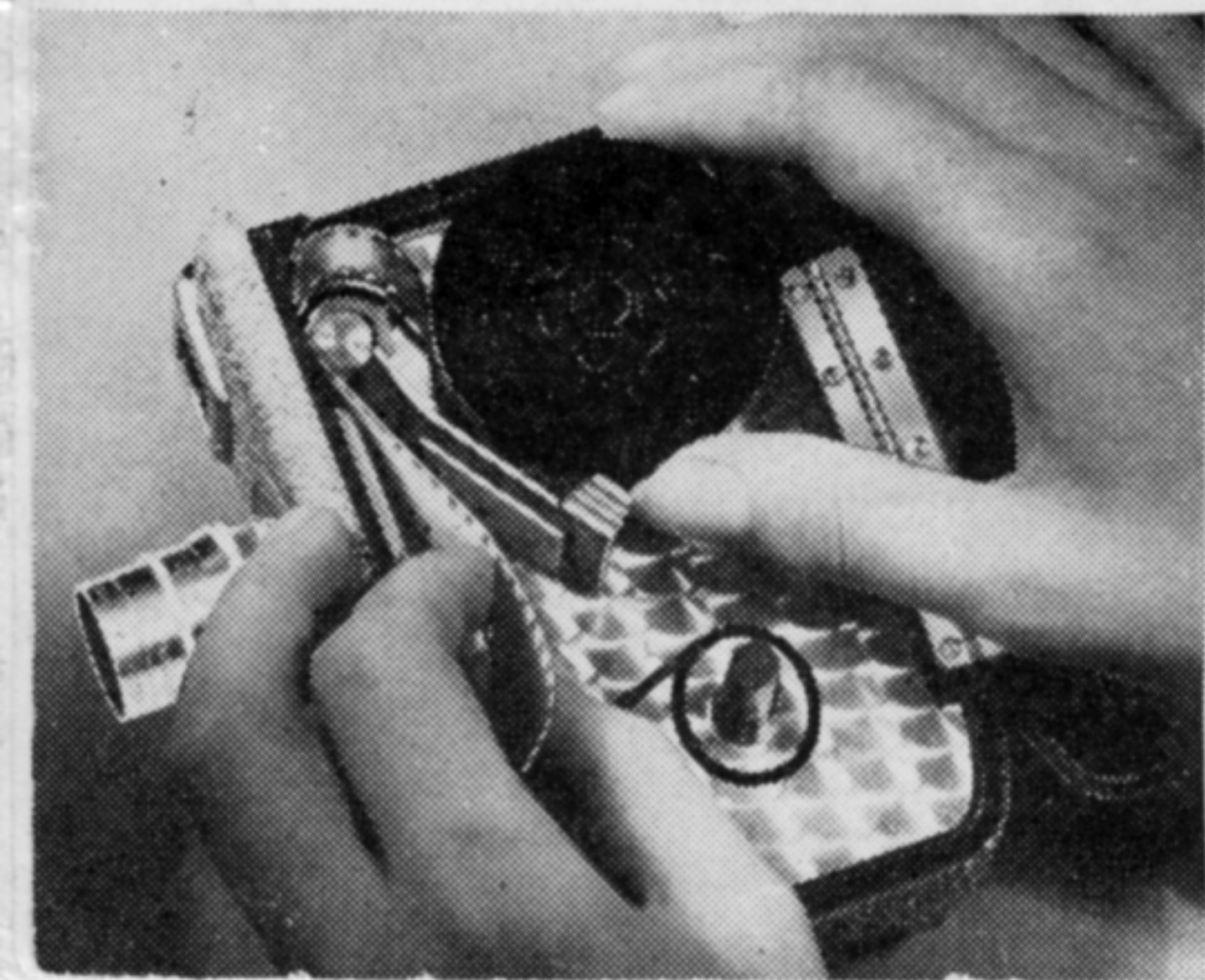
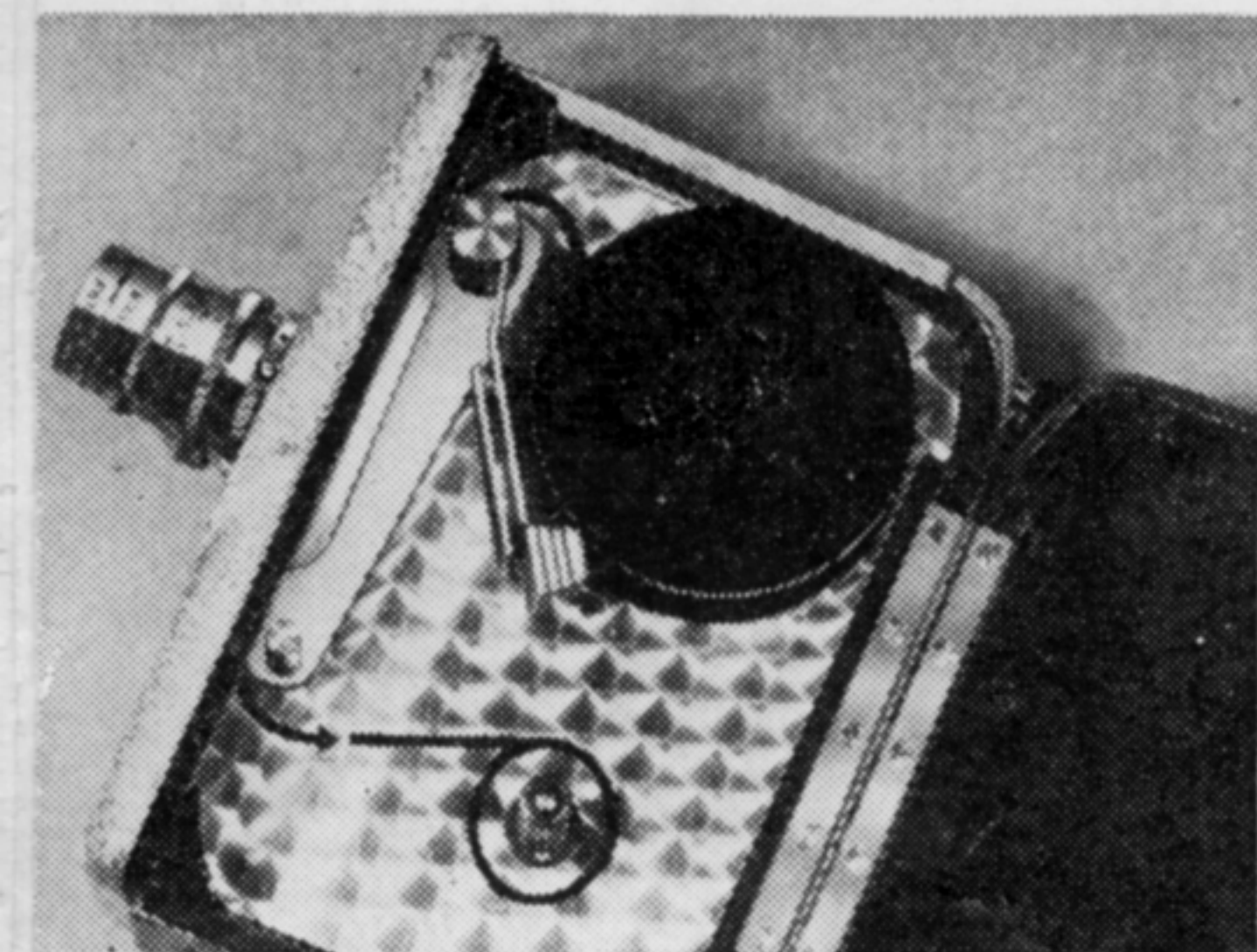
Set Footage Meter to "RED DOT" (loading position) before loading film.

Be sure Operating Button is in neutral position. Wind motor. Open camera door by turning Door Lock to OPEN position. Remove empty spool.

Remove film from its container and take off paper strip around film. Place spool on upper spindle with the flange marked "Cine 8 Spool" facing you. Swing gate open.

Pull out about one foot of film (be careful not to let too much film unwind.) Let the film follow the line with the arrow around the upper guide post.

Slide the film into and against the aperture plate, being sure



that the film is under the aperture plate flange. Swing the gate until it contacts the aperture plate flange. (Note: the gate is automatically held in closed position when the camera door is locked.) Pull the film through the gate, and, following the line with the arrow, around the lower guide post.

Hold the empty take-up spool with the flange marked "FILM WHEN ON THIS SPOOL IS ONLY HALF EXPOSED" facing you. Insert about two inches of film into slot in core of take-up spool. Place the take-up spool on the lower spindle. When the spool is rotated clockwise the dark side of the film should be on the outside of the spool.

Keep the camera open, then slide the operating button and run a few inches of film to see that it is running smoothly. Close camera door. Turn Door Lock to LOCK position.

Run the camera until the Footage Meter reads "0". You are now ready to take pictures.

Wind camera motor.

Note: The film manufacturer provides extra footage for loading and reloading the camera. It is not meant for picture taking.

UNLOADING AND RELOADING CAMERA

When the Footage Meter reads 25 or more, stop taking pictures. Run the camera until the meter reads "0". All of the film will then be on the take-up spool, except a short portion of film around the lower guide post. This prevents film on take-up spool from unwinding. Open camera in subdued light.

Only one-half of each 25-foot roll of double 8mm film is exposed at a time. Film must be turned over and run through camera again. As a reminder you will see these words printed on the full take-up spool: FILM WHEN ON THIS SPOOL IS ONLY HALF EXPOSED. Remove the two spools, turn them over and reverse their positions. Now you are ready to expose the other half of your 8mm film. Follow regular loading instructions.

When the film has been run through the camera twice and is completely on the lower spool, remove spool and place it in the container supplied by the film manufacturer. Mail it to the nearest processing laboratory as directed in the instructions in or on the film carton.

THE VIEWFINDER

The Slide-o-matic Viewfinder on your Wollensak Model "58" and "53" Cameras is designed to accommodate the use of different focal length lenses. A click stop optical adjustment automatically provides the proper field-of-view for lenses of the following focal lengths: 6.5mm (wide angle), 9mm (wide angle), 13mm (standard), 25mm (telephoto), and 38mm (telephoto). Simply slide the Viewfinder Button to the proper click stop calibration mark.

Remember when taking extreme closeups the field-of-view as seen through the Viewfinder will not exactly coincide with the field-of-view as seen by the camera lens. This phenomenon is known as parallax. You must visually correct this difference by sighting high through the Viewfinder so that the top of the subject appears in the lower half only.

THE FOOTAGE METER

The Footage Meter automatically registers the number of feet of exposed film. Set this dial at "RED DOT" before loading and reloading camera. Run the camera until the dial indicates "0". Now, you are ready to take pictures. When the meter indicates 25 or more, stop taking pictures. Run the camera until the dial indicates "0". All the film will then be on the take-up spool and the camera may be opened. Remove film in subdued light — never in direct sunlight.


INSTRUCTIONS FOR USING THE F 1.9 CINE FOCUSING MOUNT LENS

The f 1.9 Wollensak Focusing Type Raptar is a high speed lens designed primarily to increase the scope of movie making possibilities by allowing additional exposure where intensity of light is inadequate. A fast lens of this type, when used at full aperture, has limited depth of field, and in order to obtain sharp well defined pictures, distance in feet must be judged with accuracy. To be doubly sure of correct focus on closeups, it is advisable to actually measure the distance from the lens to subject. The focusing ring is located to the rear of the lens barrel and can be revolved until the proper number, representing distance in feet, lines up with the engraved black marker.

Consult the exposure guide on the side of the camera for the correct lens opening with daylight color film. The diaphragm ring which governs the f stop is set towards the front of the lens barrel. After determining the proper exposure, this setting is made by rotating the ring until it meets the same black line used in focusing.



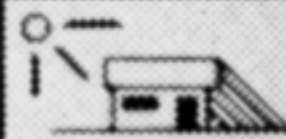

Where smaller f stops are recommended, with more favorable light conditions, this lens may be used as a Universal focusing type merely by setting the footage indicator at 25 feet (marked in red), and using any diaphragm opening between the range of f 5.6 to f 16 (also marked in red) depending on the brightness of the day.

EXPOSING THE FILM



WOLLENSAK EIGHT

MODEL 58

EXP. GUIDE DAYLIGHT COLOR FILM A.S.A. 10	BRIGHT SUN 	HAZY SUN 	LIGHT SHADE 	DARK SHADE 
AVERAGE SUBJECT	f/8	f/5.6	f/4	f/2.8
LIGHT SUBJECT	f/8 - f/11	f/5.6 - f/8	f/4 - f/5.6	f/2.8 - f/4
DARK SUBJECT	f/5.6 - f/8	f/4 - f/5.6	f/2.8 - f/4	f/1.9 - f/2.8

FOR SIDE LIGHT OPEN ADDITIONAL 1/2 STOP

SERIAL NO. 18760

Your Wollensak "58" and "53" cameras have a convenient exposure guide mounted on the side of the camera. This guide has been computed for outdoor color film, rated ASA 10, and the normal camera speed of 16 frames per second.

In determining which exposure setting to use you should consider these three factors:

1. The type of light—is it clear, hazy, cloudy.
2. How much light is there on the part of the subject you are filming—is it front lighted, side lighted, back lighted, or in shade.
3. Type of subject—is it average, extra bright, extra dark.

The exposure guide on your camera will tell you what lens opening to use once you have analyzed your subject with respect to these three factors. If you follow this simple guide, exposure will be easy.

Wollensak "18" 8MM PROJECTOR

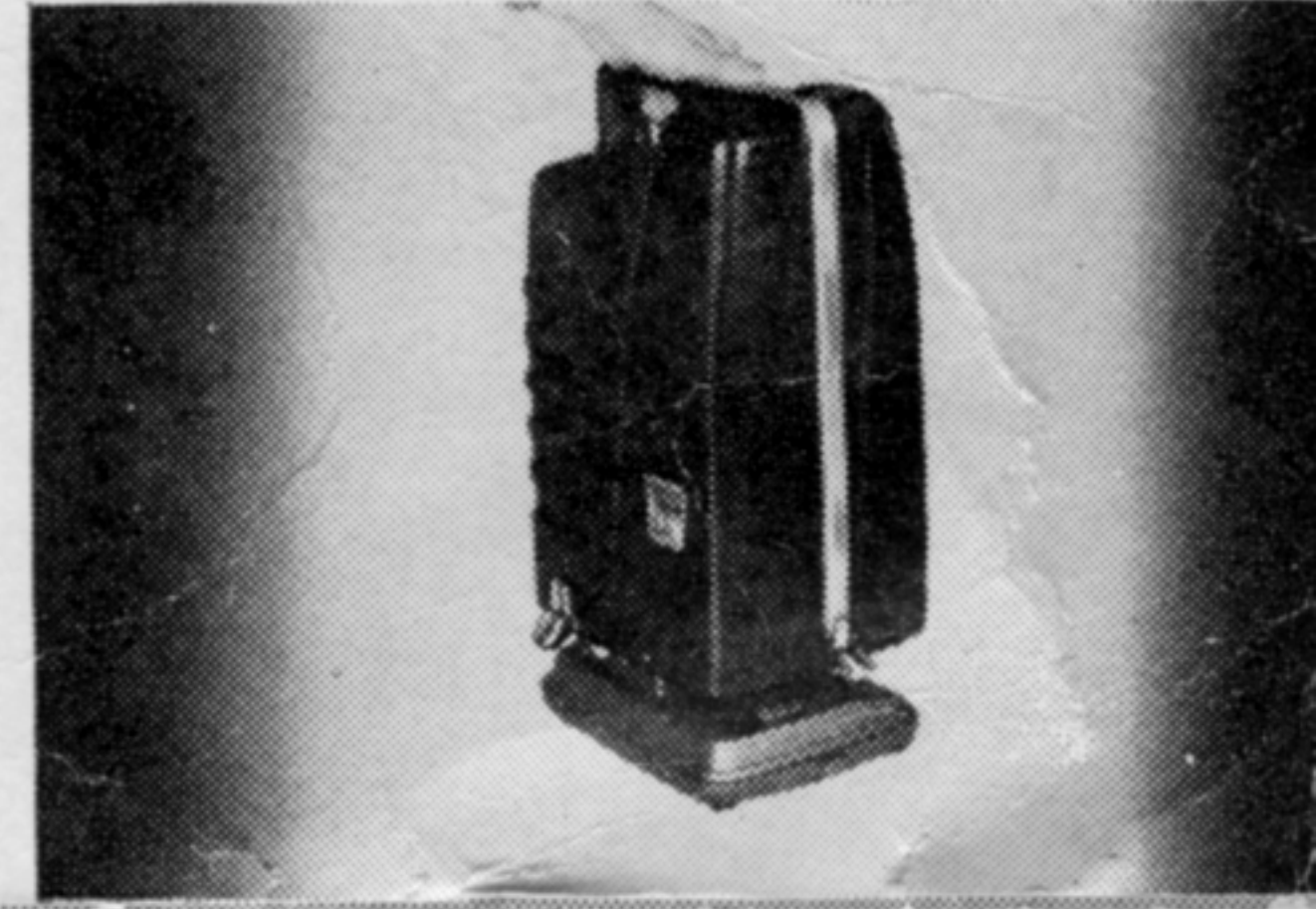
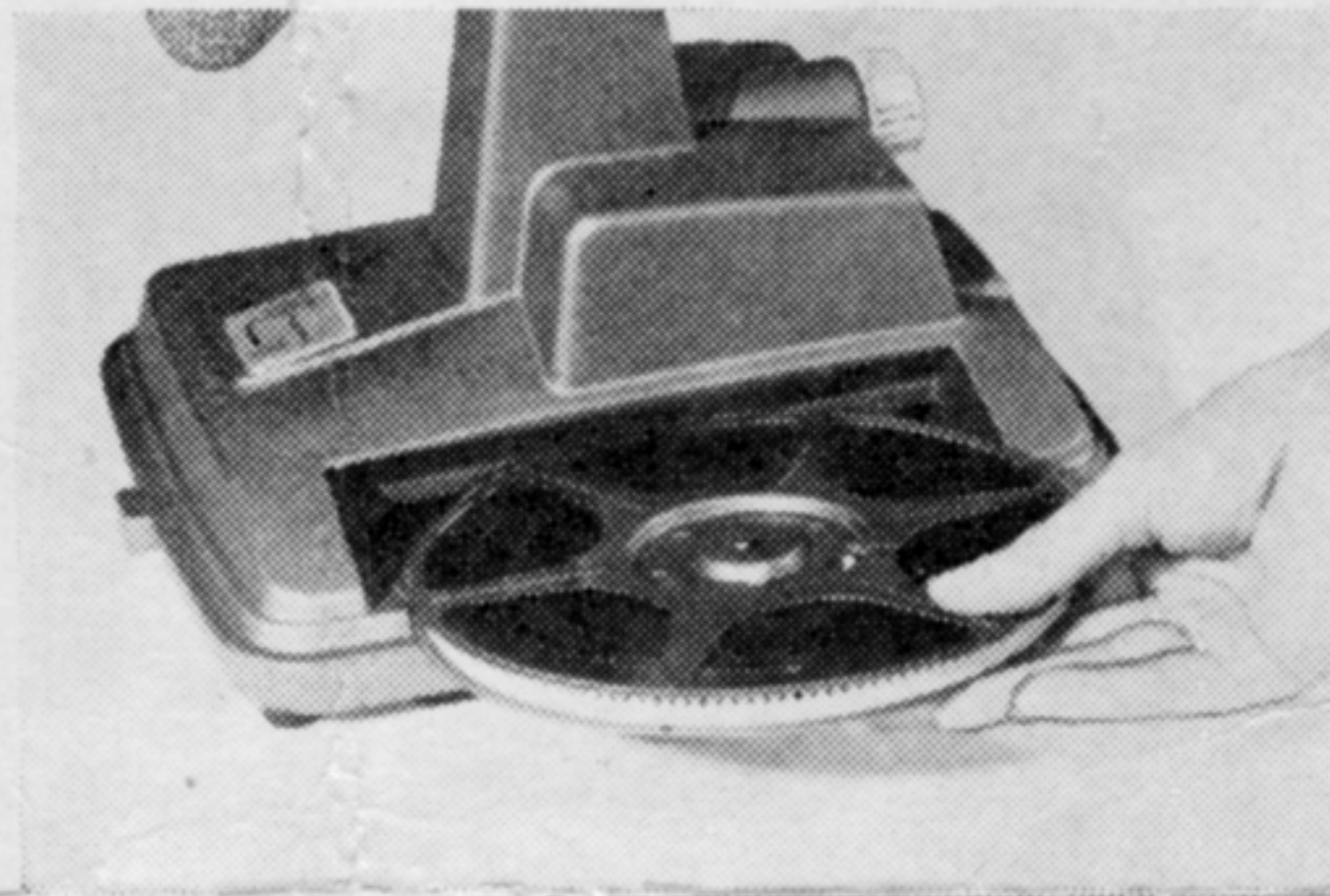
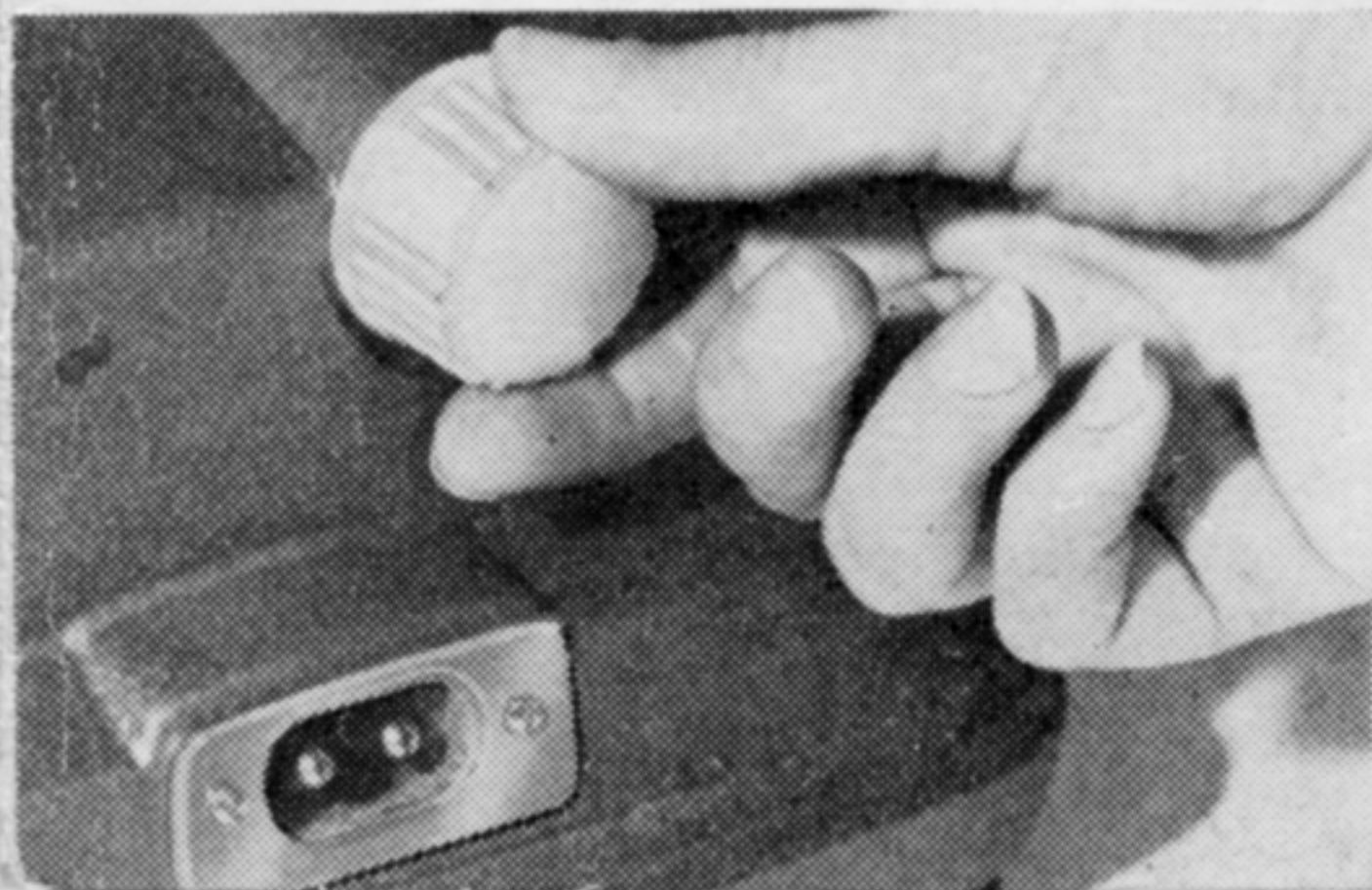
The new Wollensak "18" is, without doubt, the supreme 8mm home movie projector. Distinguished in appearance, with amazing "theatre quality" performance, it embodies not only all the features of, but many startling innovations found in no other 8mm projector. Among these are: finest and most precise film track ever designed for safe film transportation . . . professional type, sturdy, stainless steel film retainers and guides that defy comparison for film preservation . . . handles any splice . . . handy single knob panel control . . . simple lamp removal . . . accommodates 500 or 750 watt lamp . . . 400 foot reel capacity . . . self contained film compartment . . . and handsome, streamlined "Royalite" plastic, slip-over carrying case.



Instant Tilt Control—Easy action tilt knob quickly centers image on screen. Pilot light and "still" picture projection are other important features.

Reel Compartment — Convenient Storage space in projector base hold two 400-foot reels securely, keeps them immediately available.

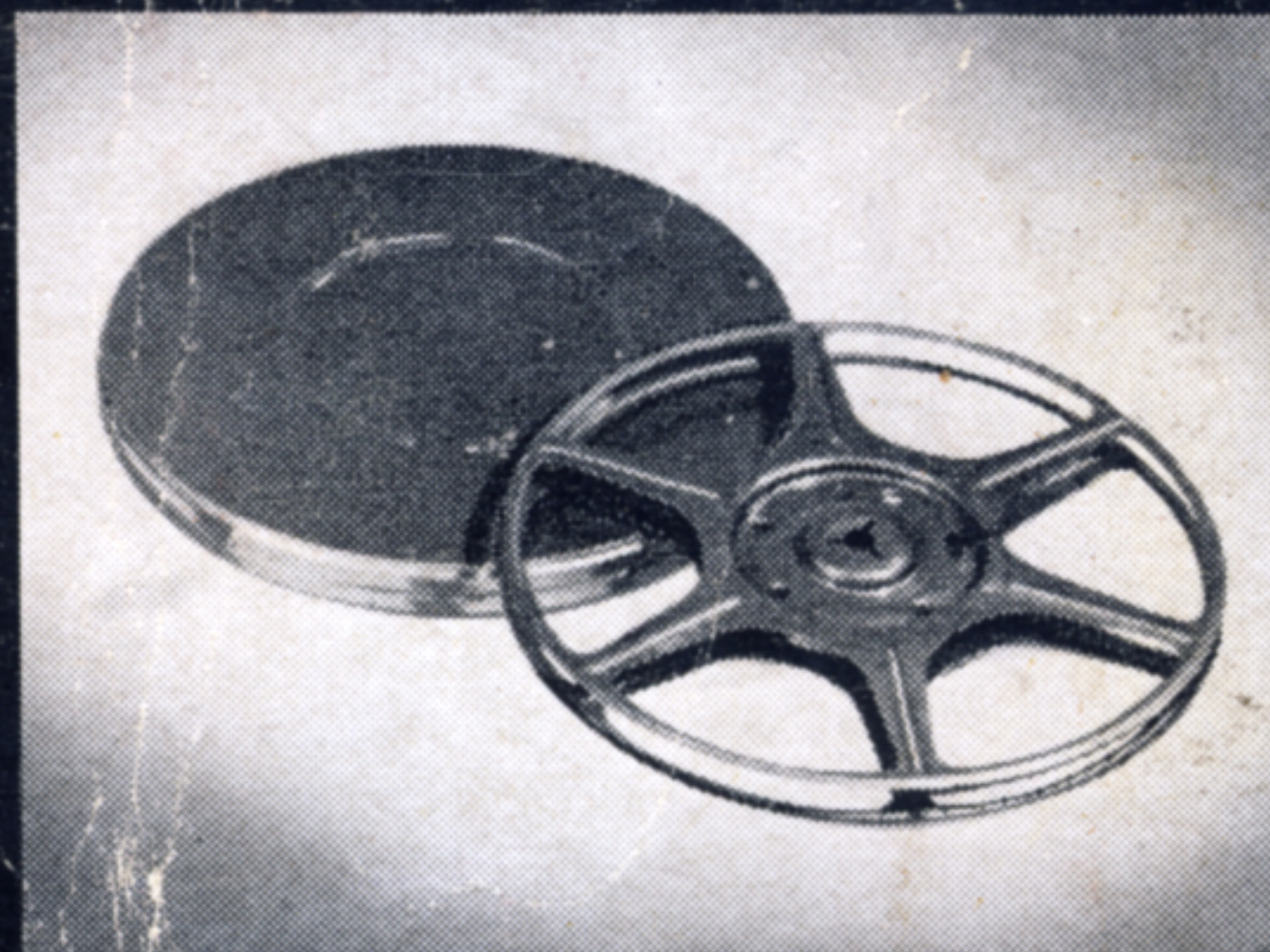
Slip-over Case—Fits snugly over projector, lifts off instantly to simplify and speed setting up. Streamlined, easy to carry. Flexible handle.



A C C E S S O R I E S



CARRYING CASE — Sturdy binocular type. Custom-built of selected top-grain tan cowhide. Attractively lined. Extra adjustable shoulder strap included.



400-FOOT METAL CONTAINERS — Ideal protection for your precious film in storing or transporting.

400-FOOT REELS—Reinforced for additional sturdiness, yet lightweight.

W O L L E N S A K O P T I C A L C O M P A N Y

320 E. 21ST STREET

CHICAGO 16, ILLINOIS