

## Things to Remember

1. Load camera per instructions.
2. Follow exposure instructions when setting lens stops and be sure click stop diaphragm disc is in properly calibrated position.
3. Check Speed Control Dial (should remain at 16 frames for normal movies).
4. Now wind camera.
5. Hold camera steady. *This is important.* The REVERE "50" Camera is so designed that a firm, steady grip is easily obtained. Safety wrist cord should be securely around the left wrist. This assists you in obtaining steadiness and prevents dropping camera.
6. We suggest that camera be held as illustrated (below). **CAUTION—BE CAREFUL TO AVOID PLACING FINGERS ACROSS LENS OPENING.**
7. Panoramizing (swinging camera as you shoot) should be avoided. When necessary, it must be done very slowly and steadily.
8. Never open camera until footage meter indicates all film has passed through and is on take-up spool.
9. Sight through the Viewfinder. Press operating lever and you're making movies. It's simple.



## REVERE CAMERA COMPANY

220 East Twenty-First Street  
Chicago 16, Illinois, U. S. A.

## HOW TO TAKE MOVIES WITH YOUR

# Revere "50" 8mm Camera



## OWNER'S INSTRUCTION GUIDE



# Good Movies From the Very Start!

**T**he Revere Camera Company wants you to obtain the highest degree of pleasure and satisfaction from your Revere "50" Camera. You will find these instructions easy to follow, because they are written in simple language to help you master your camera quickly.

By referring both to the illustrations and to the camera itself as you read these instructions, you will readily become familiar with its operation. Once you know your camera well, you can start right in taking good movies with your first roll of film!

## Registration Card

A Revere Registration Card is included with your camera. Mark down on this card your camera's serial number, which you will find adjacent to the tripod hole. Give complete information requested, and to insure accuracy, please PRINT. Send card within ten days after making purchase to:

**REVERE CAMERA COMPANY**

320-336 East Twenty-First Street

Chicago 16, Illinois

*Guarantee does not go into effect until you mail the Registration Card, so don't delay.*

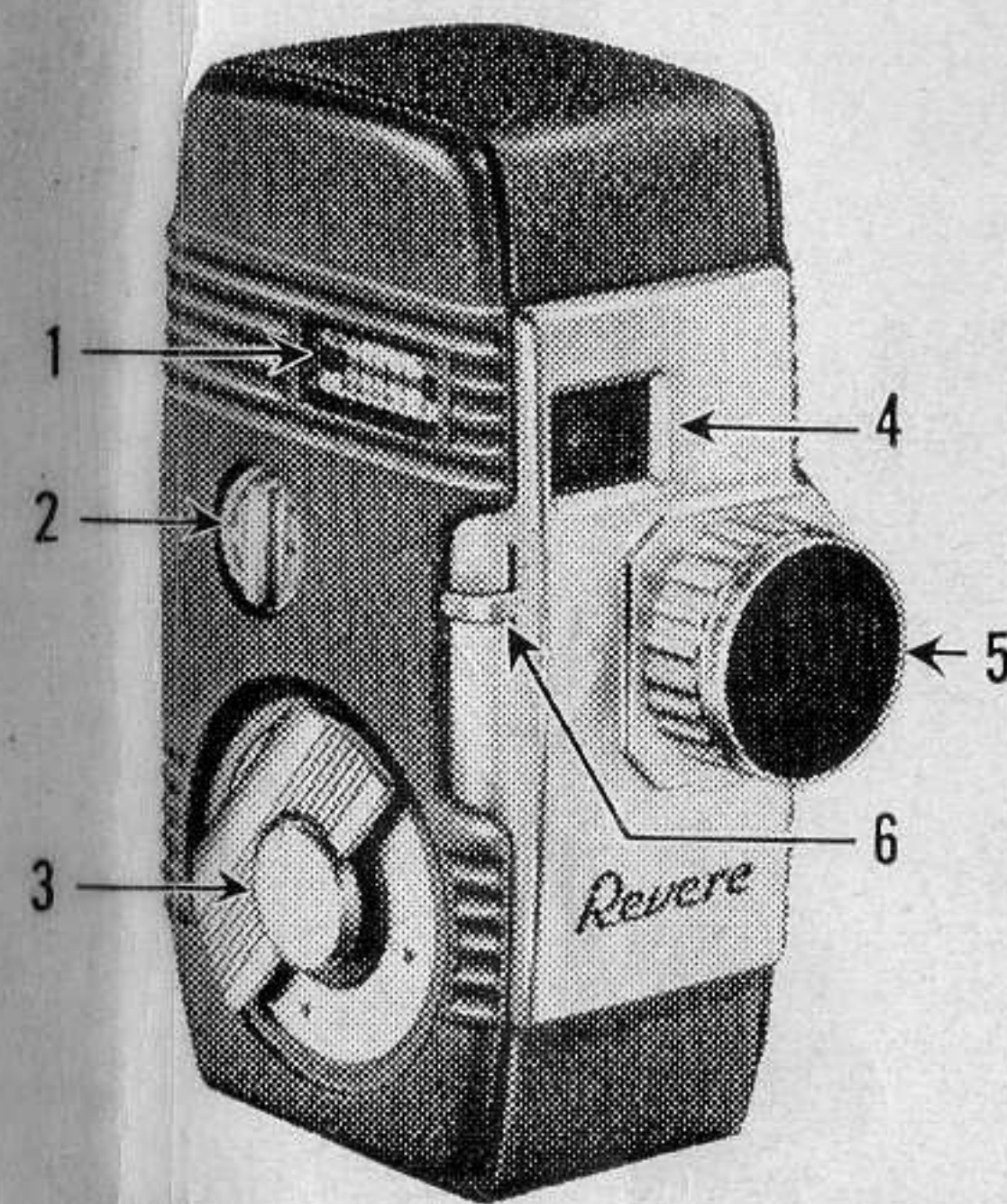


Fig. 1

1. Automatic Footage Meter
2. Speed Control Knob
3. Winding Key
4. Built-in View Finder
5. Built-in Lens Shade
6. Operating Lever

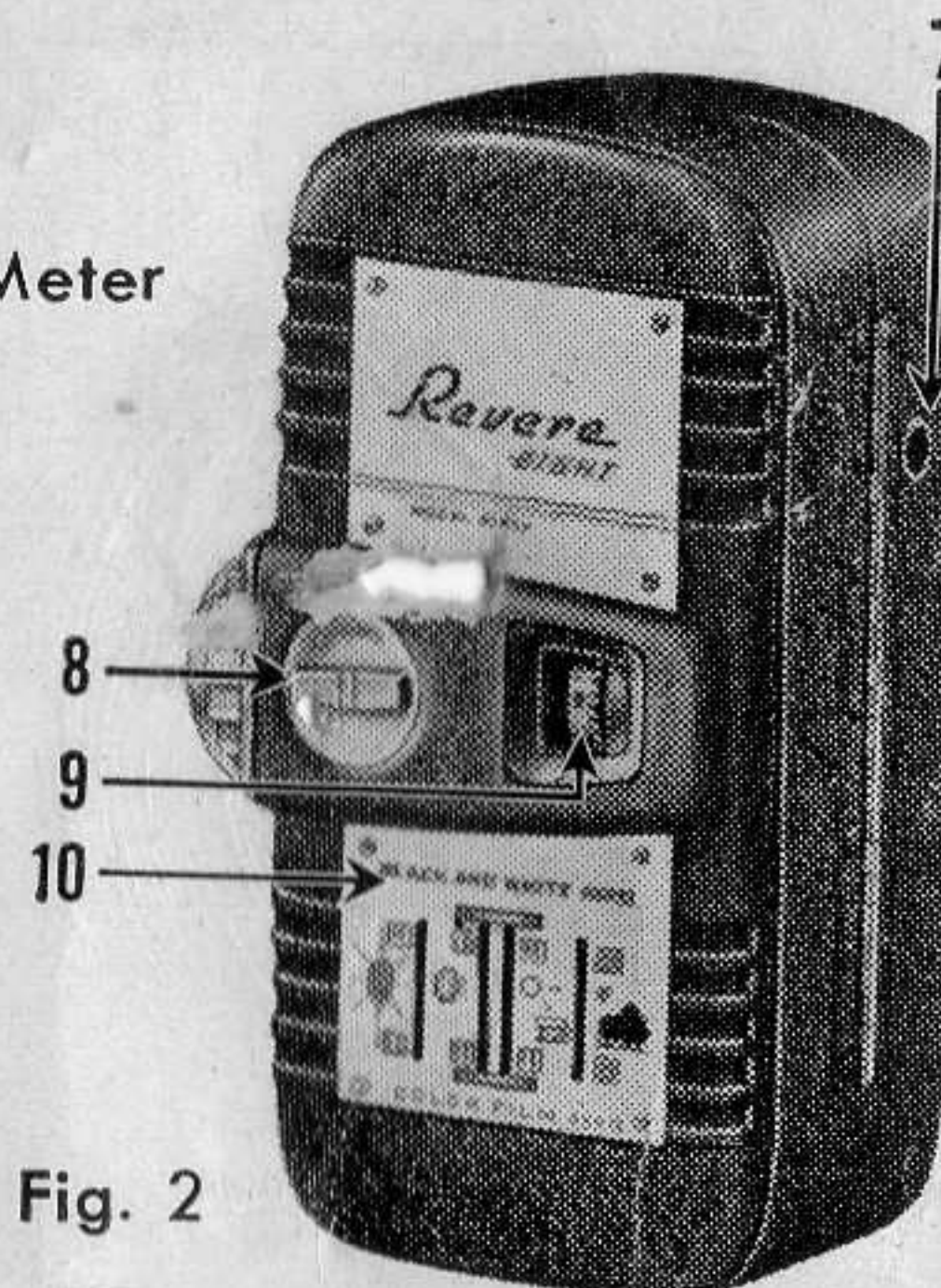


Fig. 2

7. View Finder Eye Piece
8. Door Lock Knob
9. Recessed Click Stop Diaphragm Disc
10. Built-in Exposure Guide

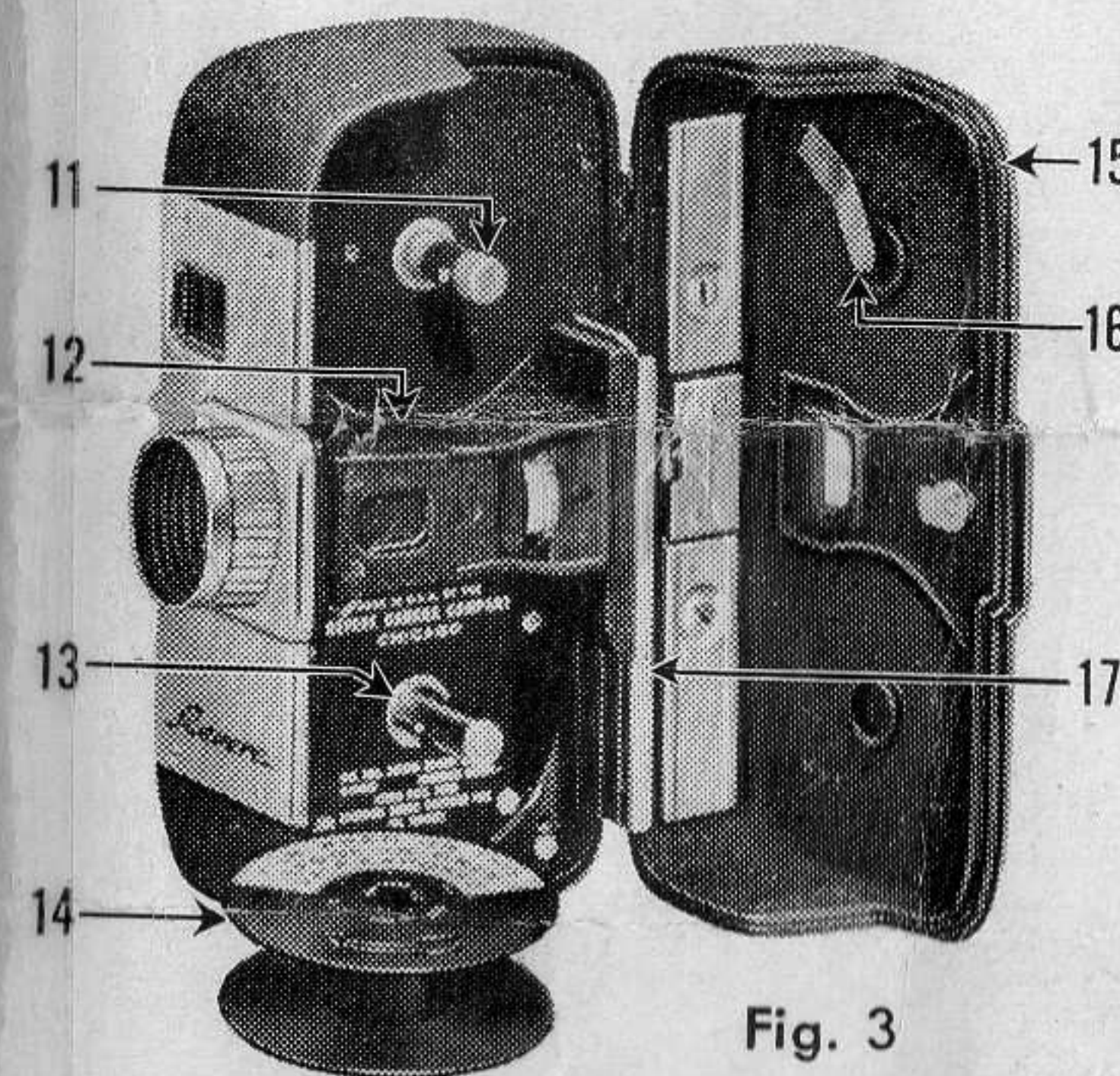


Fig. 3

11. Upper (and) Spindle
12. Built-in Lens Shade
13. Lower (Take-up) Spindle
14. Take-up Spool
15. Camera Door
16. Tension Spring
17. Aperture Plate (film track)



We suggest that camera be held as illustrated. **CAUTION—BE CAREFUL TO AVOID PLACING FINGERS ACROSS LENS OPENING**

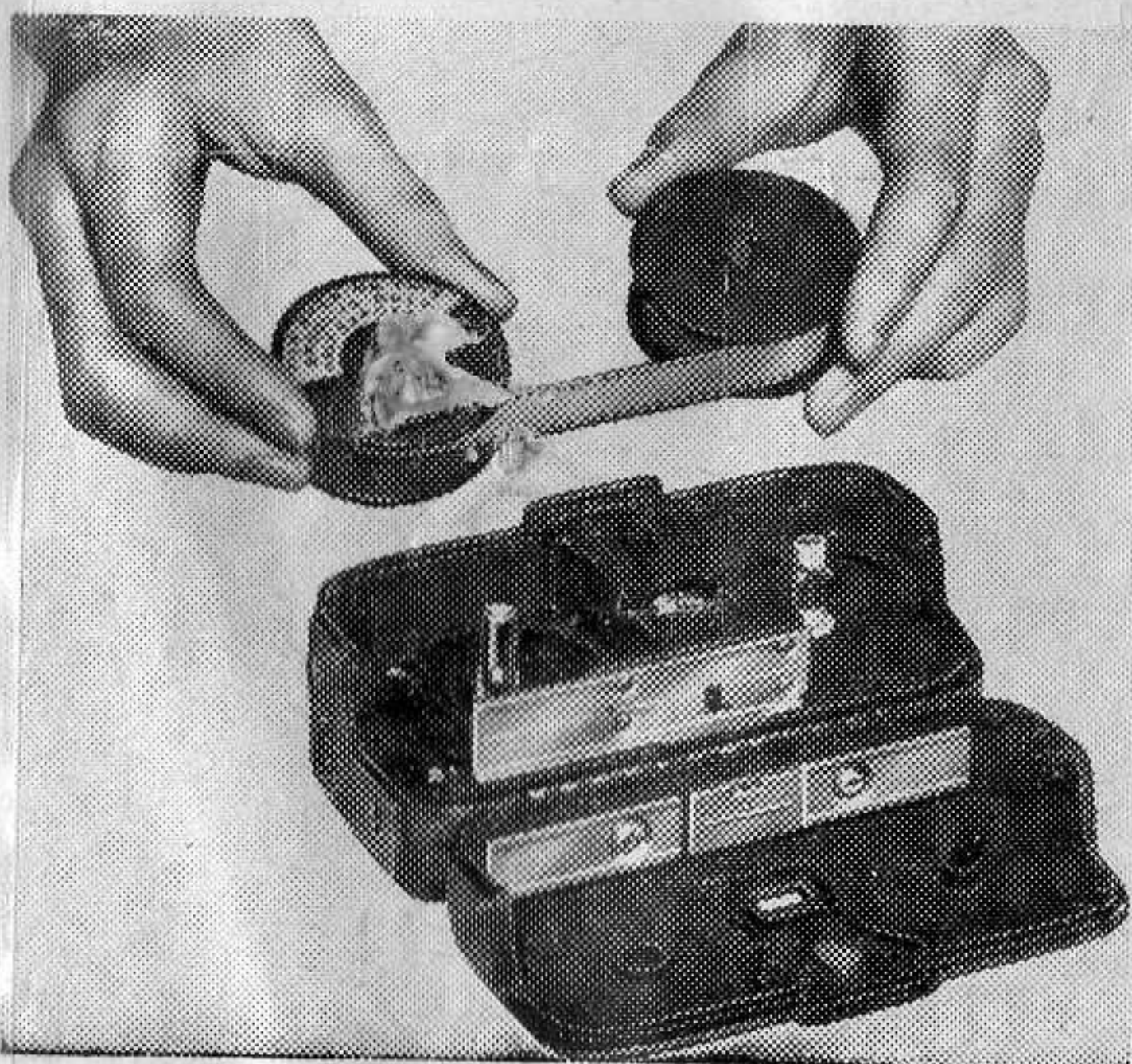


## How to Load Camera

Loading the camera is a simple operation. A 25-foot double-width 8mm film is used in Revere "50." Pictures are made on only one-half the width of the film at a time. In order to expose the film completely, it is necessary to run the film through the camera twice. When the film is processed, the laboratory slits the film down the middle and splices the two pieces together, returning the film to you as a 50-foot reel of 8mm film. Always load or unload the camera in subdued light, or if necessary, in the shade of your body—never in direct sunlight.

Lay camera on its side and open the door. Lift out empty spool. Be sure the edges of the spool are not bent, as they will cause the film to jam. If at any time the empty spool becomes damaged, it should be straightened or replaced with a new one. If any dust or dirt is found inside of camera, remove it by blowing or brushing it out.

Remove spool of film from metal container. Save container and carton for mailing to film manufacturer for processing. Note that center hole in spool is made with three notches on one side, and four notches on the other. Upper (feed) spindle accepts spool only when three notches are down. Lower (take-up) spindle accepts spool only when four notches are down.



Hold both spools with sides faced correctly for loading. Remove about six inches of leader from feed spool, and insert film end into hub slot of empty take-up spool. Wind a few inches of film securely around take-up spool, by turning it in clockwise direction as indicated by arrow on spool.

Fig. 4—Film Ready for Drop-In Loading

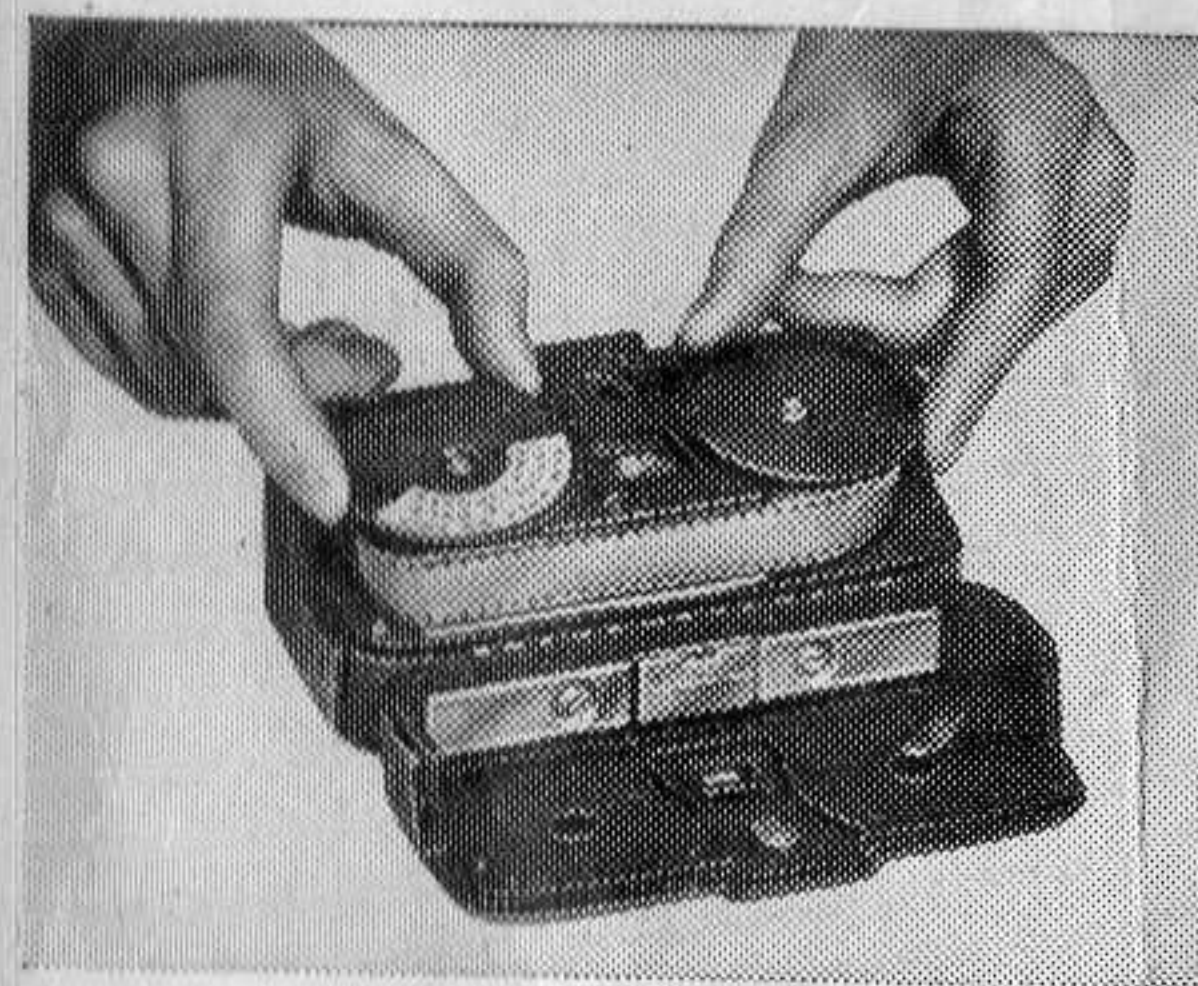


Fig. 5—Spools Placed on Spindles

Close and lock camera door. Wind motor and check setting of speed control knob. Run off film until footage meter is at zero to pass exposed leader. You are now ready to take movies.

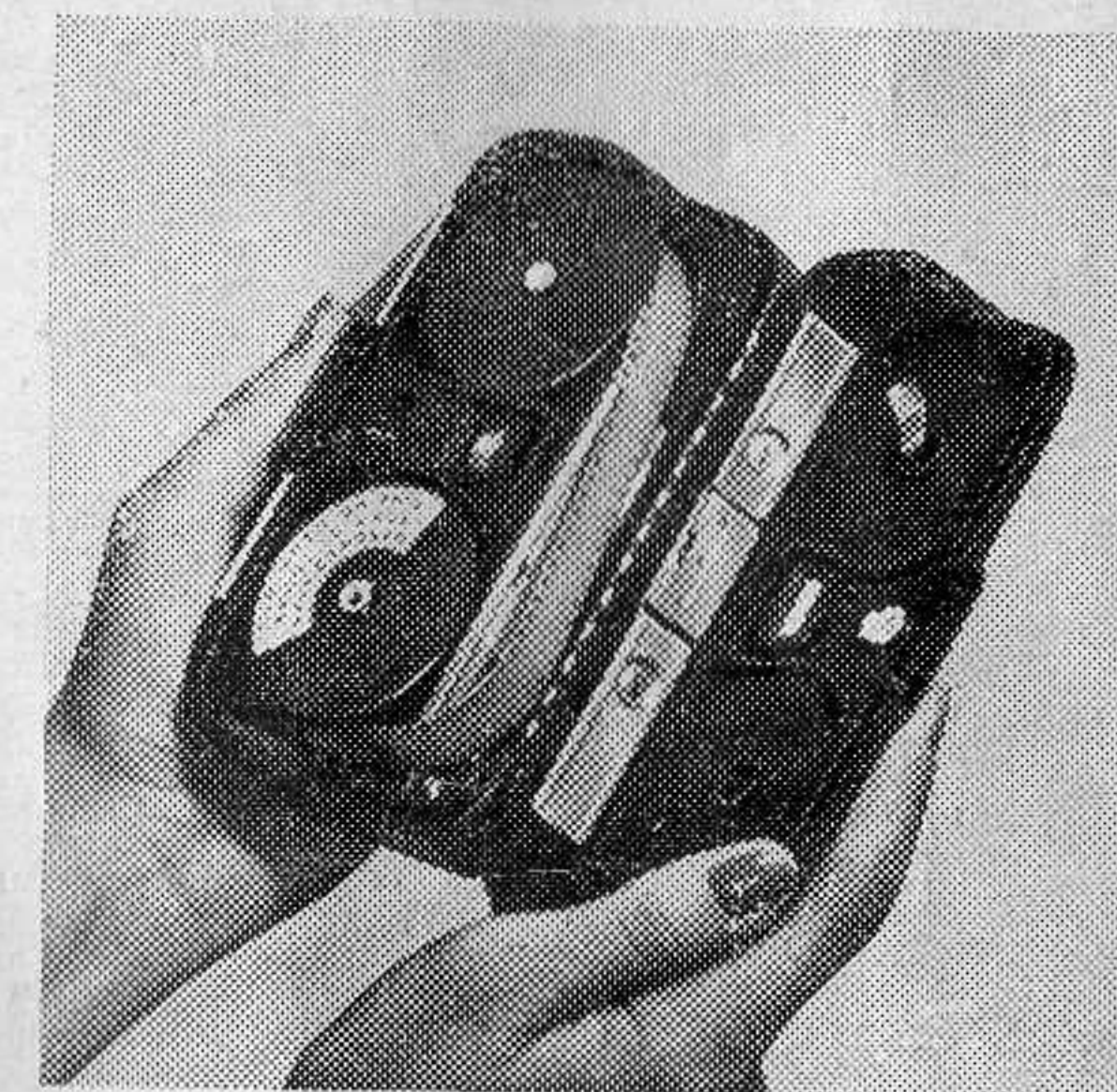


Fig. 6—Camera Loaded and Door Being Closed

## How to Unload and Reload Camera

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 the camera again.

Your Revere "50" unloads with safety, because film is automatically snubbed around take-up spool until door is opened. This prevents film from becoming loose and causing lost footage due to light exposure.

After all of the film has been run onto the take-up spool, open camera in subdued light. 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 film has run through camera twice and is completely on the take-up spool, remove spool and place in container supplied by the film manufacturer. Mail film to nearest processing laboratory, as directed in the instructions on or in the film carton.



**The Footage Meter.** The footage meter on your Revere "50" works automatically, setting itself when camera door is closed after loading. As film is run off, footage meter automatically indicates the number of feet of film used. The powerful motor of your Revere "50" gives you an extra-long running time of approximately 10 feet per winding. There are about three to four feet of leader film on each end of a 25-foot roll of double 8mm film. During processing of the film, most of the leader is cut off, leaving approximately 50 feet of exposed 8mm film.

**The View Finder.** The large, clear optical view finder of your Revere "50" gives you an excellent view of your subject, and shows you how much of the subject will appear in the projected picture. View finder has accurately built-in alignment that assures properly centered pictures.




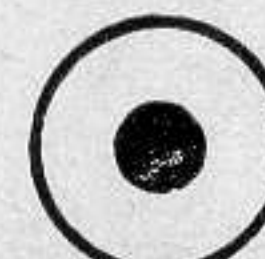
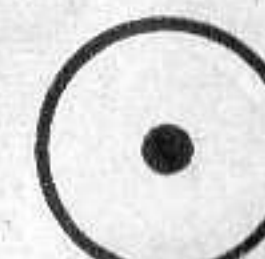

**The Lens.** Standard half-inch F2.8 lens is precision focused at the factory and locked into place. It is coated for greater contrast, and its remarkable depth of focus gives crisp, sharp pictures in both color and black and white.

Lens is automatically in focus for all subjects from a certain distance in front of the lens to infinity. See table (Fig. 8) for the closest distance at which subjects will be in sharp focus when lens is open to the various diaphragm stops. Select diaphragm opening by turning the click stop disc. **Calibration marks on dial and camera must align perfectly as indicated by click stops. Do not shoot between stops.** When using exposure meter set click stop at nearest stop indicated on camera. For instance, if reading on meter is F3.5—set camera stop at F4. Your lens openings are set to give you perfect results at full click stops indicated. As can be seen in Fig. 8, when you rotate from F2.8 to F16, the opening of the diaphragm becomes smaller.

Your Revere "50" lens cannot be thrown out of adjustment. It is automatically protected by a built-in, extra long lens shade which also permits you to take shots while facing the sun that you could not get with conventional cameras. No lens cap required.

## Depth of Field Table Revere Objective Lens

In perfect focus at 15 feet

					
F2.8	F4	F5.6	F8	F11	F16
7.5'	6.2'	5.0'	3.9'	3.0'	2.2'

**Single Frame Exposure and Continuous Run.** Single frame exposure allows you to expose a single frame of film at a time. For making titles, and for animating still life objects, camera should rest on tripod or steady support.

Continuous run permits you to get into your own movies. For continuous run slide operating lever all the way down in locked position. To stop camera, slide operating lever up.

**Normal Speed and Slow Motion.** Revere "50" gives you a choice of two speeds—normal and slow motion. Normal speed is 16 frames per second, and slow motion is 64 frames per second. Choose camera speed by turning speed control knob. Remember that less light reaches the film when speed of camera is increased. Thus, when you use slow motion, you must compensate for it by increasing the diaphragm opening two stops. The exposure guide on your Revere "50" shows proper openings for both normal and slow motion. If you use an exposure meter, be sure to set it for a shutter speed of 1/35 for normal shooting, and for a shutter speed of 1/140 for slow motion.

**Exposure Guide.** Gives you the proper lens settings for all outdoor shooting. Simply read the exposure you need for normal or slow motion, and for color film or black and white. Then turn click stop diaphragm disc to correct setting. For indoors, use an exposure meter or follow photoflood charts packed with bulbs.

**Filters.** All standard filters, available at your dealer, are adaptable to the Revere "50".