

*world's smallest
movie camera
so simple to use...*

- 1.** WIND CAMERA SPRING
- 2.** SET LENS — ALL DATA SHOWN ON CAMERA
- 3.** PRESS RELEASE BUTTON

BOLSEY 8

**SINGLE 8mm
MAGAZINE MOVIE CAMERA**

YOUR
BOLSEY 8
A MASTERPIECE OF
MINIATURIZATION!

Your Bolsey 8 is a product of the world's finest engineering, a master-crafted precision instrument that will give you a lifetime of fun taking living movies of the exciting events in your life.

The Bolsey 8 is so designed that it can produce motion pictures that are clearer and sharper than those of most cameras costing many dollars more — yet it is the world's smallest camera and weighs just 12 ounces!

What's more, this quality 8mm magazine movie camera has every important feature of much costlier equipment, such as single-exposure stop mechanism, adjustable focus,

safety locking device — plus exclusive variable-speed shutter available on no other movie camera of this class.

For professional results with your new Bolsey, read the instructions in this booklet carefully, and keep it handy for permanent reference. By following the simple steps outlined, you'll take pictures of unsurpassed quality anywhere and everywhere you go.

The Bolsey 8 is a wonderful traveller — easy to carry and easy to handle, ready on the spot to capture instantaneously those once in a lifetime, hard-to-get shots.

Get set for movie taking that's an unforgettable experience with your new Bolsey 8!

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REFERENCE DIAGRAM

1. COVER TAB

11. TOP OF VIEWFINDER

8. VIEWFINDER

14. FOOTAGE COUNTER WINDOW

13. SHUTTER INDEX

5. DIAPHRAGM DISC (f stops)

12. VARIABLE SHUTTER KNOB

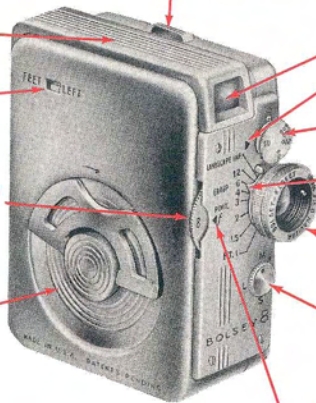
7. RED DISTANCE INDEX

4. LENS RING

3. WINDING KEY

10. RELEASE BUTTON

9. F STOP INDEX



8. VIEW FINDER

24. FILM WINDOW

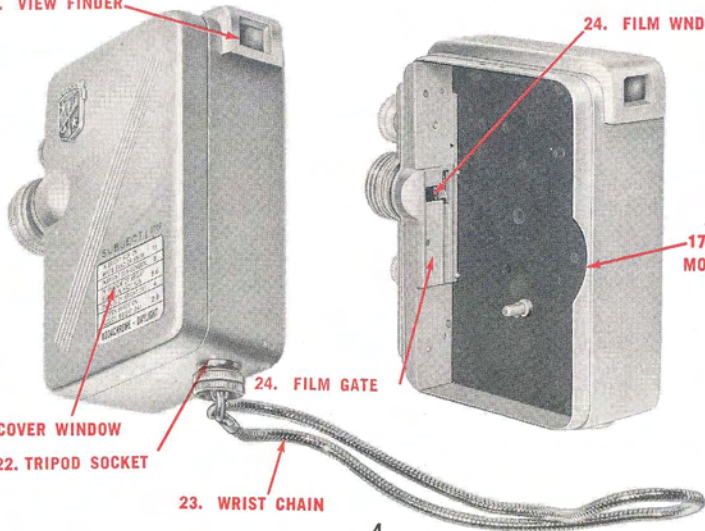
6. COVER WINDOW

22. TRIPOD SOCKET

24. FILM GATE

17. HALF-
MOON CUT

23. WRIST CHAIN

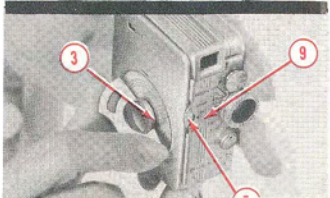
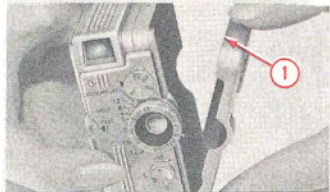


LOADING YOUR BOLSEY 8

- 1. OPEN THE CAMERA** by pulling cover tab (1) from the top first.
- 2. INSERT FILM MAGAZINE (2)** by placing film side toward the lens **FIRST**, the label on the magazine facing up. Press magazine down to secure in place. Close camera by engaging bottom of cover first.
- 3. WIND CAMERA** by turning winding key (3) clockwise, (see arrow above key). One complete winding (8 full key turns) will shoot 7 to 8 feet of film — enough for approximately 8 sequences or scenes.

IF CAMERA DOES NOT START

- See if magazine (2) is properly inserted.
- Make sure the f stop number on diaphragm disk (5) faces exactly arrow (9).
- Check to see if red dot on release button (10) is lined up with M or S.
- To make sure film is engaged, press release button (10), and at the same time give shutter knob (12) a slight twist.

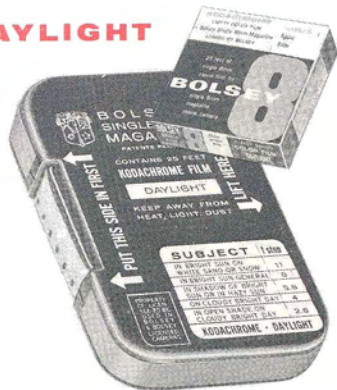


TWO TYPES OF COLOR FILM AVAILABLE

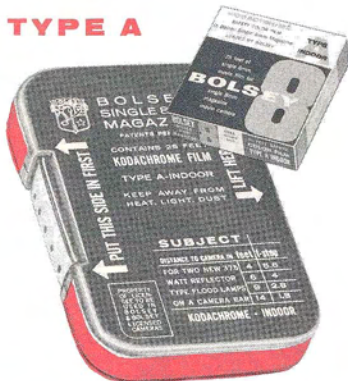
USE KODACHROME COLOR FILM IN SINGLE 8 BOLSEY MAGAZINES (25 ft. ea.).

They are available for **Outdoor** Shooting and **Indoor** Shooting. (Indoor film may be used outdoor by inserting BOLSEY TYPE A FILTER #85 on the lens). Each magazine carries its own exposure guide, seen through the window (6) on the cover of the camera.

DAYLIGHT



TYPE A



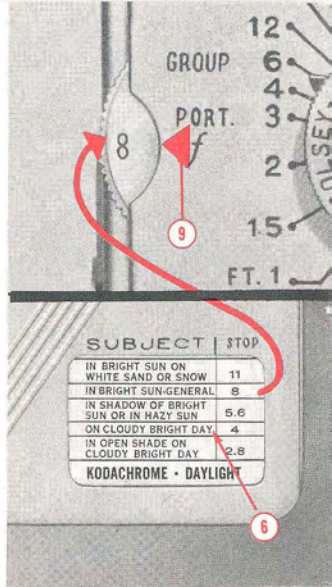
SETTING LENS OPENINGS (F STOPS) FOR DIFFERENT LIGHT CONDITIONS

The exposure guides on the magazines are computed for shutter speeds of 1/50 Sec. (For other shutter speeds — see pages 15 and 16.)

Important! For all movie and still picture taking the shutter must be set at 1/50 Sec., unless otherwise specified. When the magazine is inserted in the camera and the cover locked in place, the exposure guide remains in full view through the cover window (6). This easy-to-read guide shows at a glance the proper f settings for different light conditions.

Consult this handy guide and simply set the f stop of the lens of the given opening by turning the diaphragm disk (5) until the desired number appears in the notch and **exactly faces the index (9)**.

It is of the utmost importance that the diaphragm disk **CLICKS** in position.



◀ for outdoor shooting

use Kodachrome daylight film in Bolsey Magazine. Use f settings as shown in the exposure guide on the magazine, and as seen through the cover window (6). Kodachrome Type A Indoor Film may also be used for outdoor shooting when used with a Bolsey Type A Filter #85. For correct stops consult the separate guide card enclosed with the film.



SUBJECT		STOP
DISTANCE TO CAMERA IN feet		f-stop
FOR TWO NEW 375	4	5.6
WATT REFLECTOR	6	4
TYPE FLOOD LAMPS	9	2.8
ON A CAMERA BAR	14	1.8
KODACHROME • INDOOR		

◀ for indoor shooting

use Kodachrome Type A Indoor Film in Bolsey Magazine. Use f settings as shown in the guide on the magazine. The guide recommends the correct f settings according to the **distance** from your light bar to subject. Use any small bar with **two** fresh 375 watt photo-flood bulbs. When using a bar with four similar bulbs, close the lens opening one f reading. (For example: use f 8 instead of f 5.6. OR IF YOU PREFER, increase the shutter speed to the next higher number. Example: use 1/100 Sec. instead of 1/50 sec.). For details see page 16.

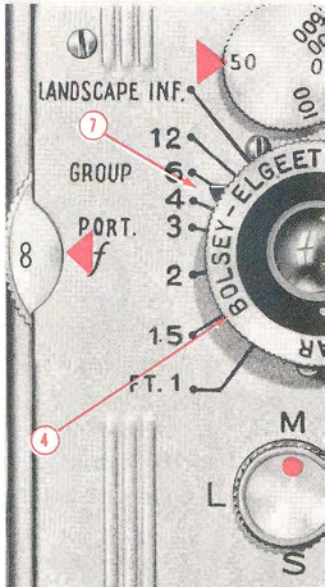
SETTING THE LENS FOR VARIOUS DISTANCES

FOR AVERAGE SHOOTING IN SUNLIGHT

— turn the lens ring (4) so that its red index (7) is pointing to 6 feet on the distance scale. With the lens set at f 8, (sunny day) everything, from 2 feet to infinity, will be in focus. This is particularly useful when the subject is moving in depth back and forth.

If you are selective or when shooting on **cloudy days or in poor light**, simply set the index (7) so that it is pointing to the indication which best describes the subject you are about to shoot: "LANDSCAPE" (infinity), "GROUP" (6 feet), and "PORTRAIT" (3 feet), located next to the distance scale. Notice that the shooting distance corresponds approximately (which is sufficient) to the subject indications on the camera.

When shooting **at the very close range** of one or two feet (for titles, technical subjects, document reproductions, etc.), **an exact distance setting is necessary**. Simply measure with tape or ruler the distance from the lens to the object, and set the distance index (7) accordingly.



YOUR BOLSEY 8 LENS

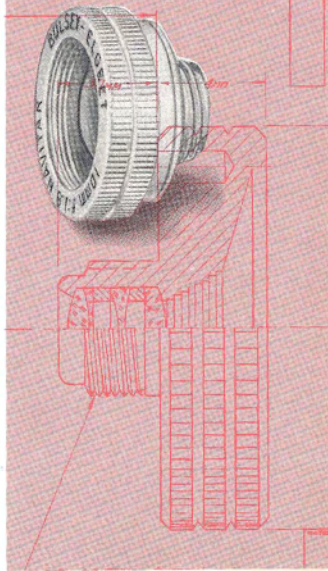
IT IS A PRECISION OPTICAL MASTERPIECE

The lens on your Bolsey 8 movie camera has superb optical properties . . . and produces brilliant and sharp pictures.

It is a truly powerful lens, with an opening of $f\ 1.8$ which enables picture taking even in poor light.

It has great depth of field — assuring the sharpest and clearest pictures possible, from the closest to the farthest subjects in the same scene.

It has a wide angle ($F=10\text{mm}$) assuring the largest possible area coverage. You'll find it particularly useful for shooting in small rooms indoors, or to cover large objects or areas outdoors.



TAKING MOVIES

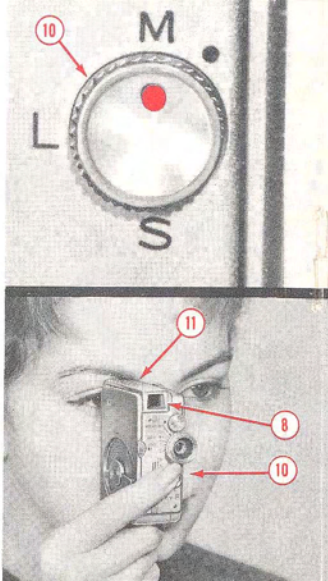
Turn the release button (10) until its red dot faces the letter M (Movies).

Hold the camera steady with one or both hands, as illustrated. The top (11) of the viewfinder (8) is knurled for better finger grip. For absolute steadiness, rest the hands holding the camera against the face, and place the elbows firmly against the body. Fully press the release button (10) without jerking or shaking the camera.

BE SURE YOUR FINGERS ARE NOT IN FRONT OF THE LENS.

Each scene or sequence you shoot should be at least 6 to 8 seconds long. By pivoting the camera from left to right, or right to left, you can do "horizontal panning"; upward and downward movements of the camera produces "vertical panning". These shooting techniques can be best accomplished with the camera on a tripod.

When panning, **move the camera very slowly and smoothly.** For good projection, it should take about half a minute for a half turn (180°).



TAKING MOVIES OF YOURSELF

The Bolsey 8 lens is wide enough to take in the whole head at a distance of about 2 feet. Set the lens at that distance, set diaphragm, hold the camera at arm's length — lens facing you — and shoot. You may want to steady camera against a table or shelf for support.

YOU CAN BE IN THE ACTION, TOO!

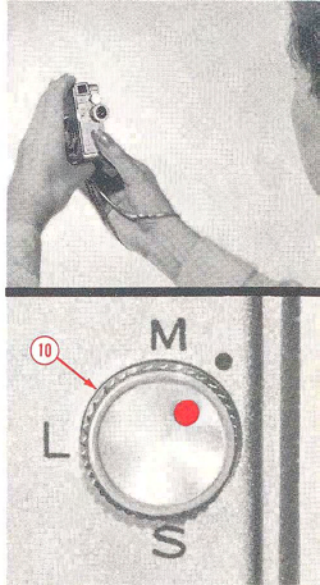
Place camera on tripod or table. Check the area covered through view finder, and set correct focus and f-stop. Place Release Button (10) at M.

When you are ready to shoot, press release button and turn it slightly to right until red dot faces dot on camera. This allows the camera to run automatically.

Now get into the act. At the end of the scene, return to camera and turn Release Button (10) back to M.

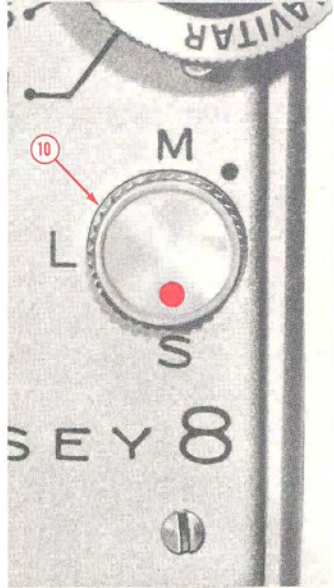
You can pre-set the length of film to be shot by winding key (3) once for each foot of film desired.

Example: to shoot 3 feet of film — wind key 3 full turns.



TAKING STILL PICTURES

Turn release button (10) until its red dot faces the letter S (Stills); a single press on the button will expose one frame. For outdoor and indoor still pictures follow the same settings you would use for taking movies. You can vary the exposure time through the Variable Shutter (See pages 15 and 16 for details).

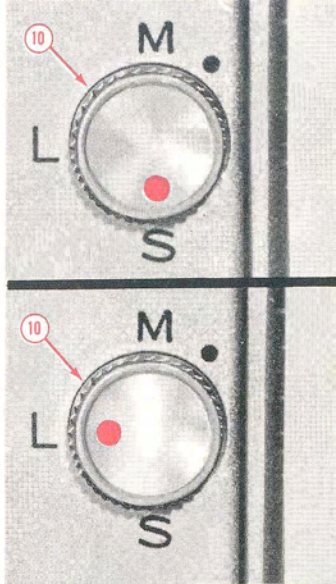


TAKING STILL PICTURES OF YOURSELF

Turn the release button (10) to S (Stills), set the distance index (7) so that it is pointing to 2 feet; refer to exposure guide on magazine for proper lens opening. Hold the camera at arm's length in front of you — lens facing you—and shoot.

AVOID ACCIDENTAL SHOOTING

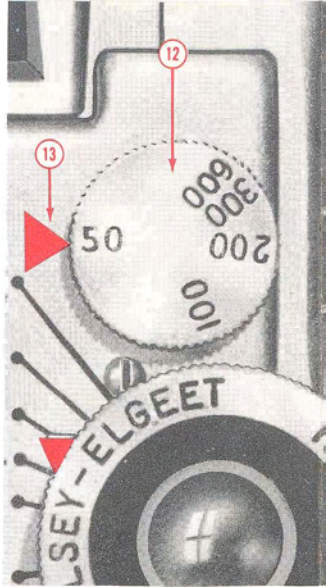
The operating mechanism may be locked. Turn release button (10) until its red dot faces letter L (lock).



VARIABLE SHUTTER SPEEDS

The Bolsey 8 is the first and only 8mm camera equipped with a variable shutter. Its speeds range from 1/50 to 1/600 sec. of the exposure time.

To reset the shutter speed, the main spring must be at least partially wound; then lift the knob (12), and turn it until the desired speed faces the red index (13). Then release the knob. The knob turns freely between 1/50 and 1/600 of sec. with a stop at each end. Don't force the knob beyond the stops.



shooting movies

Professional camera men require a variable shutter. There are several occasions when a variable shutter can improve a movie picture. For example, it is useful when a smaller lens opening than f22 is required. By setting the shutter speed at 1/100 sec. instead of 1/50 sec., you will obtain the equivalent of an f32 setting. Higher shutter speed also produces sharper pictures of fast moving objects.

This is particularly important, when pictures are to be enlarged or stopped on the projection screen.

shooting still pictures

In still picture shooting, the variable shutter is an ideal setting device for a wide choice of shutter speeds to be coordinated with a choice of f settings. (For example — a fast moving subject which is normally shot at f 11 and 1/50 sec. will come out much sharper at f 8 and 1/100 sec. or even better at f 5.6 and 1/200 sec. This is particularly important for enlargements and still projection. The Bolsey 8 offers the following choice of shutter speeds: 1/50, 1/100, 1/200, 1/300, 1/600 sec.

Remember that the Exposure Guides on Bolsey magazines are computed for shutter speeds of 1/50th of a sec.

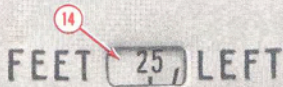
AUTOMATIC FOOTAGE COUNTER

The footage counter is fully automatic, and when you insert a new magazine the footage counter window (14) will show 25 feet (full load) ready to shoot. When all the film has been used, you will hear a slight change in operating sound, or camera will automatically stop.

Note: If you wish to remove a partially used magazine, follow this procedure: Read the footage counter before taking film out of camera. Make a note of the remaining footage right on the magazine. When you replace that magazine it will reset the counter to 25 feet. You should therefore subtract the amount of unexposed film from 25 to determine how far to continue shooting. When all film is used, camera will automatically stop.

THE CAMERA SPEED

The camera is spring-wound, and runs at the standard speed of 16 frames per second. When mainspring is about to completely unwind, you will hear a slight slowing of mechanism acting as a warning to rewind.



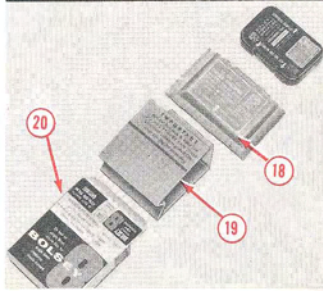
AFTER THE FILM IS EXPOSED

After the film is exposed, open the camera by pulling the cover tab (1), and remove the magazine (2) by lifting it by its grooved back (16) which protrudes in the half moon cut (17) at the back edge of the camera.

Replace the magazine carefully in its original wrapper (18), corrugated insert (19), and carton (20) for complete protection in sending to the Bolsey processing laboratory. Bolsey Labs P. O. Box 310, Cambridge 39, Mass.

Don't forget to print your name and return address in the space provided on the carton marked "from." Mail it to the Bolsey Laboratory. (The address is printed on the box). The film will be returned to you processed **FREE OF CHARGE**, and on a reel, ready for projection.

To preserve the brilliance of the colors, send film to be processed as soon as possible after it is exposed.



TELEPHOTO LENS

A Bolsey Telephoto Lens brings objects twice as close, allows you to shoot clear detail of distant mountains, buildings, etc. Screw telephoto lens into front of camera lens, and when shooting, sight through small rectangle in view finder which shows the limits of the F-20mm coverage of the telephoto exposure.

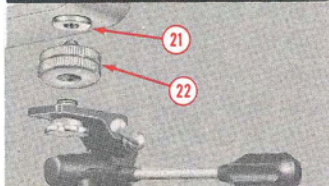
WIDE ANGLE LENS

To take pictures requiring broader coverage, such as small room interiors, the Bolsey wide angle attachment screws into front of camera lens, forming a combination of F-6½mm; almost doubling F-10mm lens field coverage of the basic lens.

For distance settings of both attachments, follow the indications provided with each attachment.

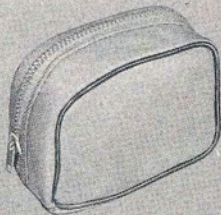
TRIPOD ADAPTER

To attach any standard tripod to camera, a universal Bolsey Tripod Adapter (22) should first be screwed in socket (21) on the base of the camera. Wrist Chain (23) also screws into same socket.



SOFT CAMERA POUCH

Beautiful soft leather pouch protects camera in pocket, keeps out lint, tobacco and dust. Can be zipped open in seconds for instant shooting.



LEATHER CASE

Handsome leather carrying case is contour fitted, protects camera completely. Can be worn on its own shoulder strap, or will slip right onto owner's belt.



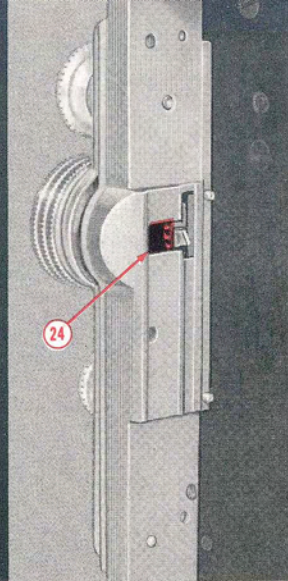
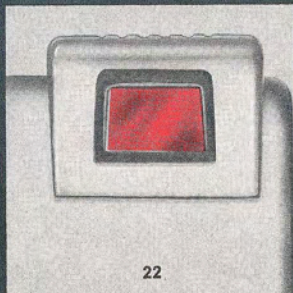
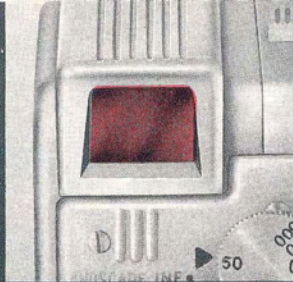
KEEPING YOUR CAMERA CLEAN

The main lens, slip on lenses and the two view finder lenses are easily cleaned, (from the outside only), with dry soft tissue or clean cotton on wooden toothpick.

Blow out any dust particles that may appear inside the camera.

The film gate (24) behind the lens must be kept clean where it contacts the film—remove with a wooden stick any film emulsion particles that could accumulate with time. Do not use a metal object as it may scratch the surface of the film gate. **See areas in red.**

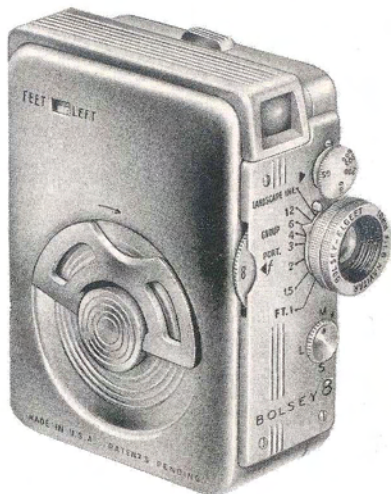
If and when the camera requires servicing or mechanism cleaning, just like a fine watch, send it through your dealer to the Bolsey specialized services. The work required will be charged at a nominal rate, and camera will again be fully guaranteed for another year.



If film is not yet available at your favorite
store, write for name of nearest dealer

BOLSEY- DELMONICO

Long Island City, N. Y.



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