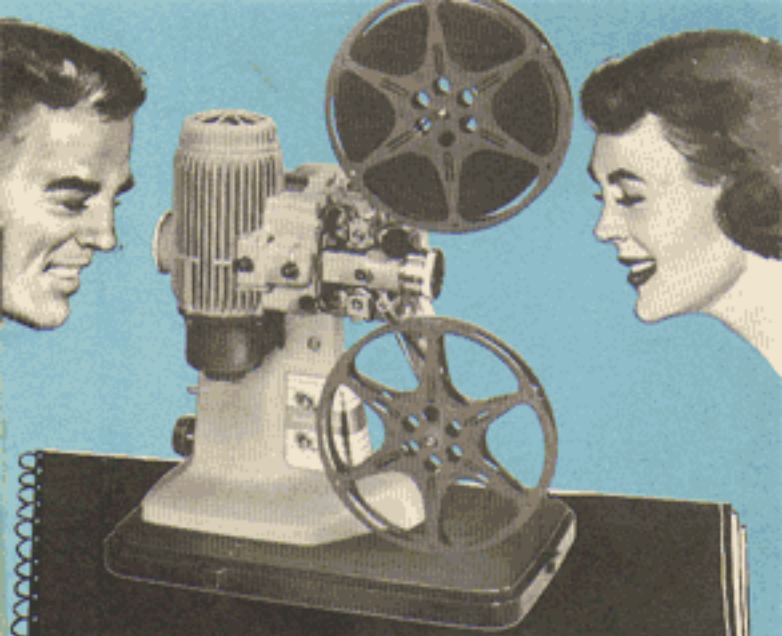


how to use your

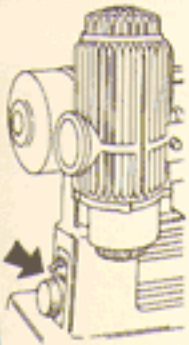
Bell & Howell

273 STATESMAN PROJECTOR

for Perfect Home Movies

The first thing to do

REGISTER YOUR PROJECTOR



Use the stamped self-addressed card attached to this cover—mail it today! Look for the serial number on the back of the motor cap. Registration of your projector gives you these advantages:

- **entitles you to free correspondence counsel from our Personal Service Department**
- **initiates the Bell & Howell Guarantee which is void unless you are registered with Bell & Howell**

Welcome to Bell & Howell ownership

You have purchased from Bell & Howell not just a projector, but a promise—a promise of many years of pleasure. You can count on your projector to give you top-notch performance and dependable, trouble-free service for a long time to come.

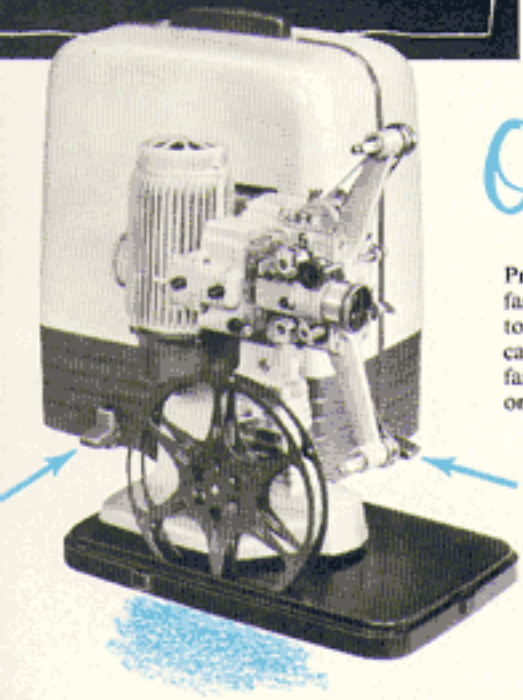
Before you attempt to operate your Statesman, study carefully the following pages with the projector in front of you. Become familiar with these simple operating and maintenance instructions. You can then be sure of getting the crisp, bright pictures your Statesman has been built to give you.

For further information on your projector, feel free to call on your Bell & Howell dealer—or write directly to us. You can depend on us to stand behind our product at all times.

Bell & Howell

7100 McCormick Road / Chicago 45, Illinois

YOUR NEW PROJECTOR IS EASY TO USE



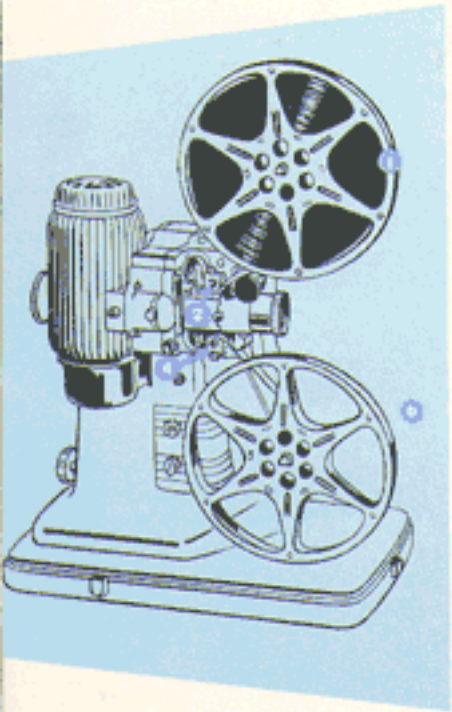
Open it

Press out on the fasteners at the bottom of the Royalite case. There is one fastener on each side, one in front.

Attach cord to socket on side of projector.
Plug it into electric outlet.

Turn tilt knob on back of projector until lens seems to be in line with the center of your screen. Later, when lamp is on, if beam of light is too high or too low, adjust tilt with this knob.

A Child can



1

Place full reel on top arm and unwind from 2½ to 3 feet of film.

2

Draw film under feed sprocket. Press safe-lock sprocket guard out, adjust film until it clicks into place. Then release guard.

3

Push film gate lever up. Form a loop of film and pass it down behind pressure shoe (see diagram). Now press lever down to move pressure shoe back against film.

Thread it 6 SIMPLE STEPS

4

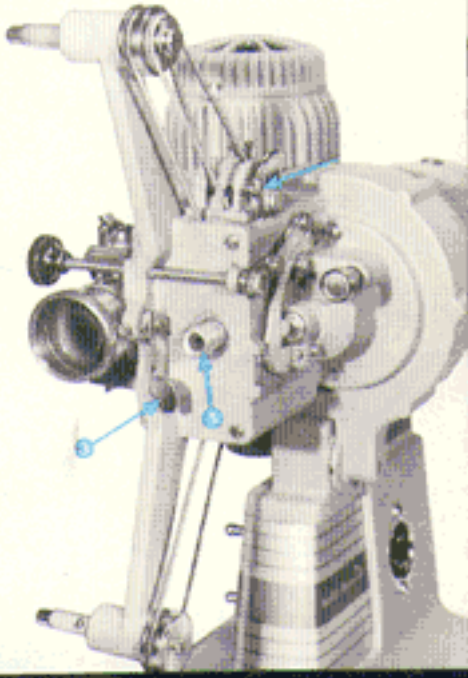
Form another loop and place film on take-up sprocket exactly as done in Step 2.

5

Turn the hand setting knob a few times to be sure that everything is working smoothly. (Be sure Run-Rewind lever is in Run position—see arrow.)

6

Now place empty reel on arm and wind extra film around it. There is nothing to fasten, no insertion of film to be made on a B & H "touch-threading" reel. Just turn the reel with your hand to take up the slack.



That's all there is to it

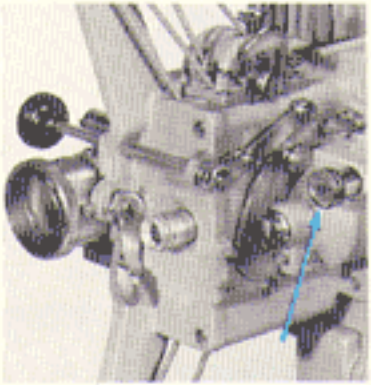
and you're ready for the Movie!

TURN IT ON

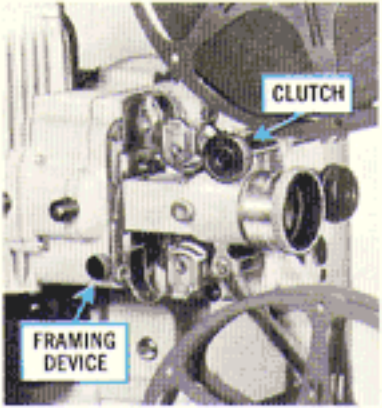
First, turn the Clutch (see picture on opposite page) counter-clockwise. Flick the switch to Motor; then turn on Lamp. Now get your picture exactly in the center of the screen by adjusting Tilt-Knob on rear of projector (see p. 5), and, if necessary the Framing Device (see facing page). When it is correct, turn Clutch clockwise, and your film will start forward.

MAKE IT RIGHT

If the focus isn't right, rotate the lens until the picture is sharp and clear. Tighten lens-lock screw to lock in correct focus. If the movie seems too fast or too slow, adjust the speed control on the front of the machine. Turn it counter-clockwise for more speed.



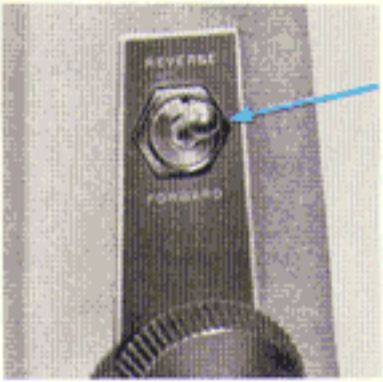
For a Better Show...



STOP

FOR A GOOD LOOK AT ONE PICTURE

If you want to study just one picture, turn the Clutch counter-clockwise when the picture you want to see appears. If no picture appears on the screen, turn the hand-setting knob until your picture is in position.



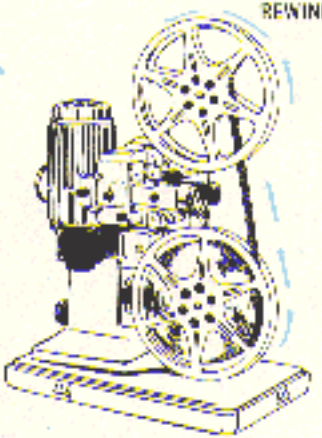
GO BACK

SEE YOUR FAVORITE SCENE AGAIN

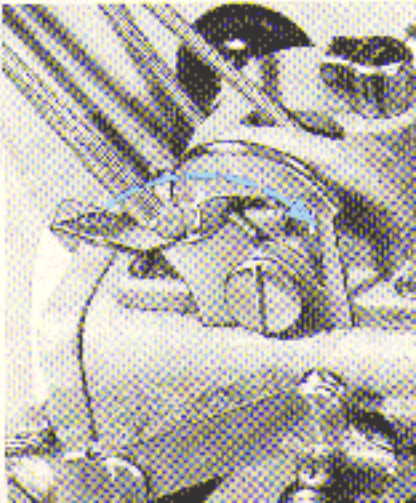
If you want to see a certain scene again without waiting to run the whole reel over, just flick the Reverse switch. The film comes to a complete stop—no pull or strain on it—then runs backward. When your scene appears, switch to Forward and the film starts forward again.

When it's over...

HERE'S HOW YOU REWIND YOUR FILM



Slip off the take-up belt, and wind a little film around the top reel.



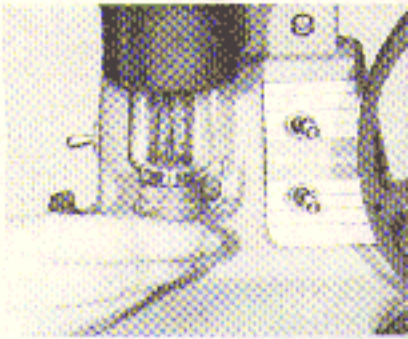
Move the lever from Run to Rewind. Turn on the motor. Your film will be safely rewound in a few seconds.

Caring for your projector

Your 273 is easy to care for. Built to last a lifetime, it will give you maximum good service if you follow these simple instructions.

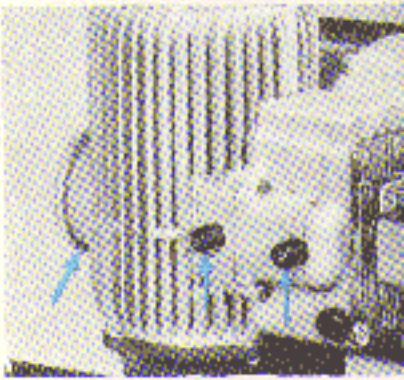
TO REPLACE LAMP

Be sure the current is switched off and line cord is disconnected from room outlet. Then unscrew cap, and lamp will drop out. If it does not, a slight movement of its base will free it. Insert new lamp with locating ear on base turned to front of projector. Replace cap.



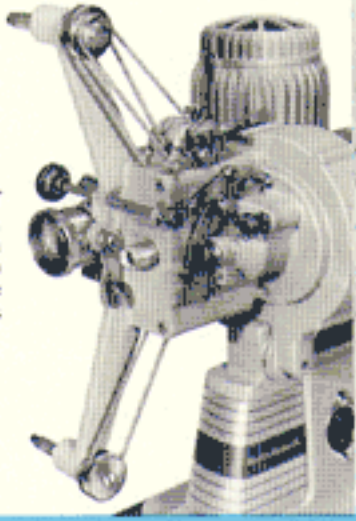
CONDENSERS AND REFLECTOR ARE REMOVABLE without tools

Just pull gently and they come out. To clean, wipe off with lens cleaning tissue. To remove fingerprints, oil or other marks, use a drop of lens cleaning fluid, then polish with tissue. Never use any other cleaning agent. Your B&H dealer can supply you.



TO REPLACE BELTS

All 3 belts are replaced in the same way. Unhook belt at joining and draw it out of projector. Insert new belt into the slot from which the old one came, push it in until the end reappears at the opposite edge of the slot. (Grooves inside the projector guide the belt.) Rejoin ends and place belt around pulley.

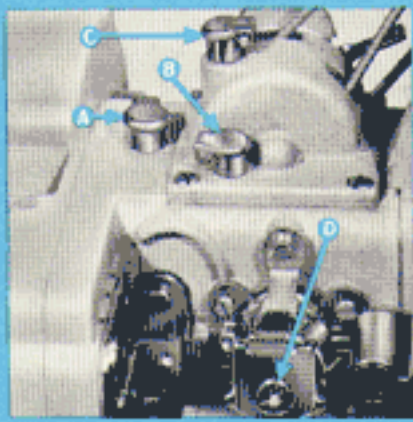


OILING IS IMPORTANT for long, trouble-free operation.

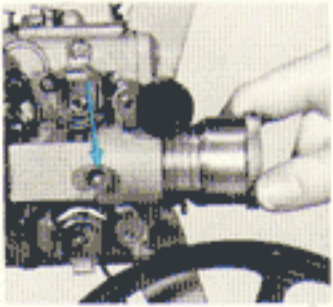
Oil Cups A, B & C: 1 drop B & H Projector Oil after every 4 reels of film have been run.

Oil Holes D: Saturate felt reservoirs in upper and lower sprockets every 6 months.

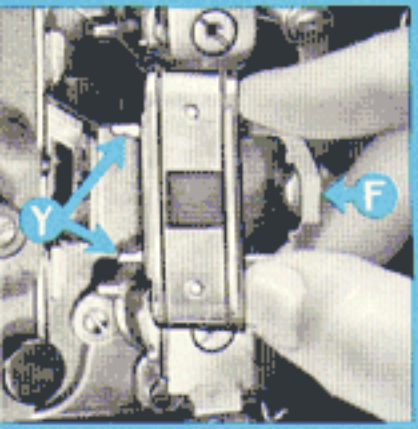
To saturate felt reservoirs, disconnect projector, lay it on its side, insert tip of B&H oil can in the holes D and squeeze can 3 times.



Keeping it Clean



LENS. To remove, turn lens lock counter-clockwise (arrow) and pull lens barrel forward gently. To clean, use tissue or cleaning fluid. To replace lens, push it back into position, then tighten lens lock.



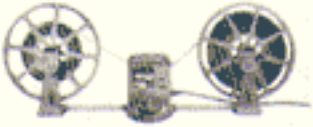
PRESSURE SHOE. While lens is out of position, clean removable pressure shoe, aperture and film channel. To remove shoe, grasp metal frame F and pull out. Use only soft cloth, dampen for stubborn dirt. Clean aperture and channel with brush. Replace shoe by placing guides Y in grooves and pushing in until you hear a click.

Accessories for your 273

LAMP. It's best to have an extra 750-watt lamp on hand to prevent any delay in your movie show. Your B&H dealer can supply you.

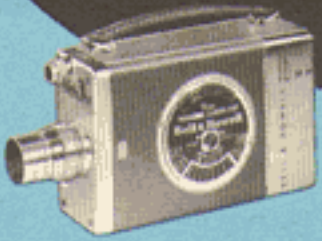
REELS. B&H reels feature "touch-threading," are marked for footage and projection time. B&H cans are rust-proof and rigid, will keep your film in perfect condition.

SCREEN. A good screen is a "must" for good movies. Your B&H dealer will show you a wide selection in many sizes.



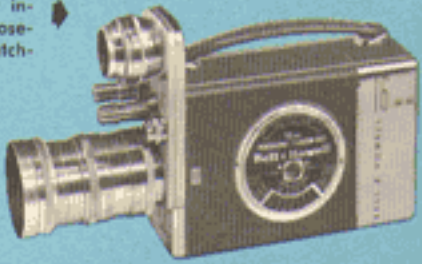
FILMOTION EDITOR adds the final touch to your movie-making pleasure. Includes viewer, splicer, and a pair of heavy-duty rewinds.

Movies are Easy to Make with a **Bell & Howell** Camera



Most compact 16mm camera. Magazine load, lens-matching objective. Positive viewfinder. 5 camera speeds, 12½-foot film run. Single frame exposure and continuous run-lock.

2-lens swiftturn turret for instantaneous change from close-ups to long shots. Lens-matching objectives. Positive viewfinder. Magazine load. 5 camera speeds, 12½-foot film run. single-frame exposure, continuous-run lock.



The master of all 16mm cameras for professional results. 3-lens turret, 7 speeds, hand-crank, 22-foot film run. Takes single or double-perforated film. Critical focuser for through-the-lens focusing.

Bell & Howell Guarantee

1. This new Bell & Howell product is guaranteed to be free from imperfections in both material and workmanship. Should any part of this equipment (except consumable parts such as motor armatures, parts worn through the passage of film such as guide rails, cams, and shuttles) be defective it will be replaced or adjusted free of charge (except for transportation of equipment) provided the equipment has been operated according to the instructions accompanying it.

2. Equipment which has been damaged or abused or worn from extended use is not covered by this guarantee.

3. Bell & Howell lenses purchased with this equipment are covered by this guarantee. Lenses of other makes, projection lamps and film are not included in this guarantee. Lenses, condensers and other optical parts are not warranted against breakage.

4. No liability is assumed for film which is damaged or is unsatisfactory for any reason (due to equipment malfunction or otherwise) nor is Bell & Howell obligated to replace such film.

5. No liability is assumed for expenses or damage resulting from interruptions in operation of equipment.

6. This guarantee is void: (a) if adaptations or accessories of other than Bell & Howell recommendations have been made or attached; (b) if equipment has not been registered with Bell & Howell (use card supplied with equipment); (c) if equipment has been serviced by other than a Bell & Howell Approved Service Station.*

7. This guarantee is made in lieu of any other guarantee, warranty of liability express or implied. It is valid only as to the initial purchaser at retail of this new equipment and his donees on receipt of a registration card or a letter giving the serial number of the equipment and the name and address of the present owner.

Bell & Howell

**Location of nearest Approved Service Station will be furnished upon request.*

Form 15735

Printed in U. S. A.