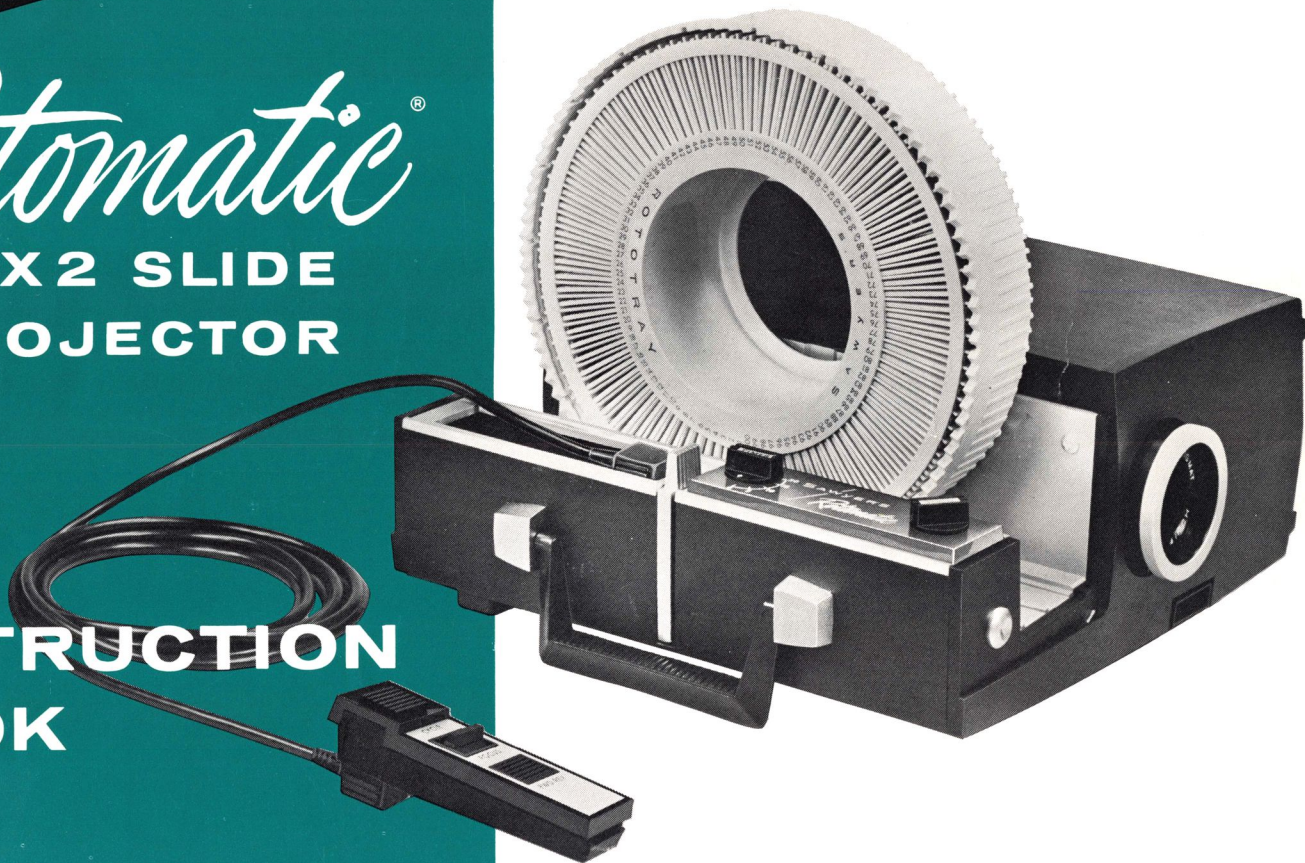


SAWYER'S

Rotomatic[®]

2X2 SLIDE
PROJECTOR

INSTRUCTION
BOOK

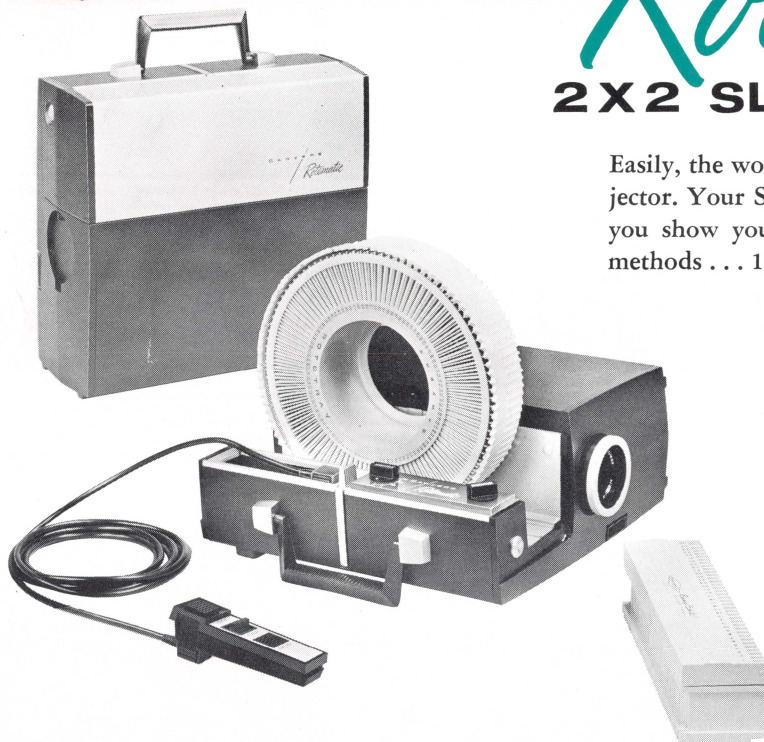


SAWYER'S

®

**REGISTER
YOUR NEW
SAWYER'S
"ROTOMATIC"
SLIDE
PROJECTOR**

Fill out and mail the registration card now, being sure to include the model number and serial number of your projector (located on the specification plate, near the power socket). This assures you the benefits of your Sawyer's guarantee, as well as easier identification in case of loss or theft.



Rotomatic®

2X2 SLIDE PROJECTOR

Easily, the world's most advanced and versatile slide projector. Your Sawyer's ROTOMATIC Slide Projector lets you show your slides with any of four slide handling methods . . . 100-slide ROTOTRAY® Slide Tray, 36-slide

EASY-EDIT® Tray, other TDC-type trays and with the Sawyer's Stack Loader.

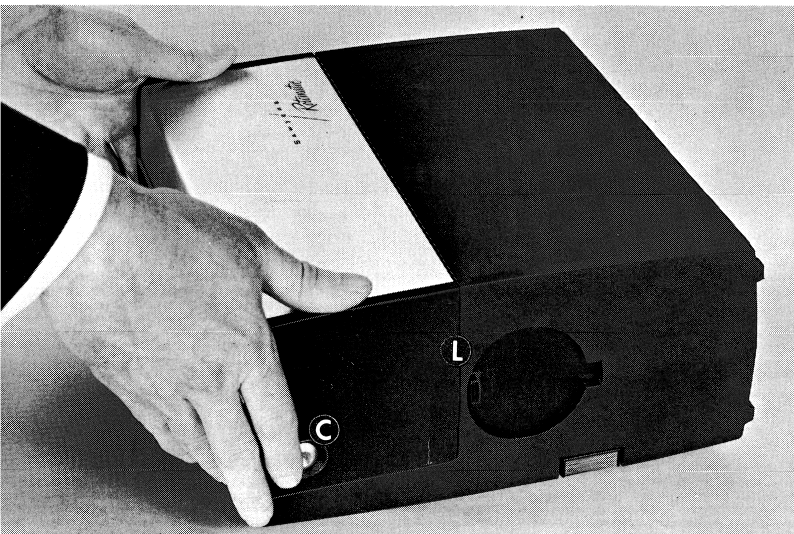
You will also enjoy the convenience of the combination Console Control and Hand Remote.

Your ROTOMATIC Projector shows your slides at their best . . . with maximum brilliance and color fidelity. Familiarize yourself with its operation and enjoy many years of exciting slide shows.

THE QUALITY FEATURES YOU'LL FIND IN ROTOMATIC SLIDE PROJECTORS

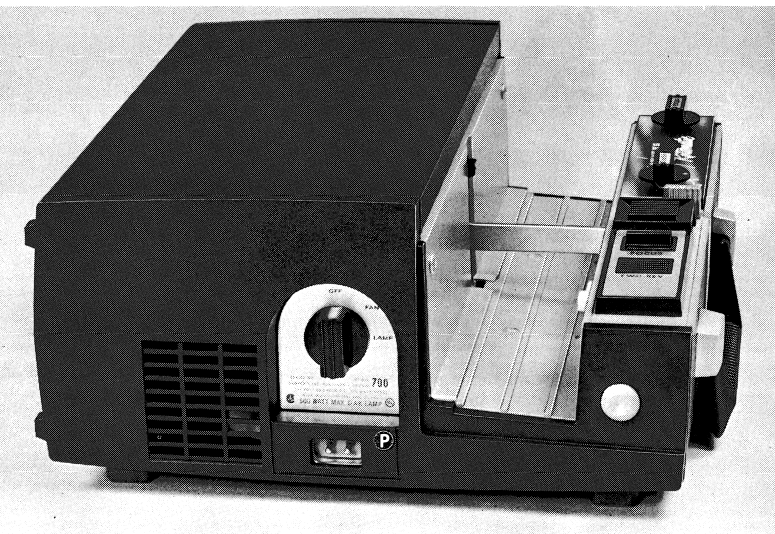
1. Handsomely designed body with protective cover.
2. Superior construction: rugged die cast metal body with durable molded plastic components . . . silent, smooth running Nylon gears and bearings.
3. Convenient carrying handle, attached directly to projector frame.
4. Micro-focusing by positive action gear plus rack and pinion.
5. Precision lens—4" f 3.5 anastigmat, coated and color corrected. Lens mount is easily removed for cleaning.
6. Controls conveniently located.
7. Lamp: 500 watt T10, 120 volt, C13D filament, 4-pin base, opaque top, ASA code DAK.
8. Quiet, powerful blower for maximum cooling.
9. Pre-Heating to condition slides before projection . . . minimizes slide "popping".
10. Your choice of 4 slide handling systems . . . ROTOTRAY Slide Tray with 100-slide capacity, EASY-EDIT Slide Trays, TDC-type trays or no trays at all with Sawyer's Stack Loader.
11. Easily removed access cover opens entire lamp and optical system for lamp replacement and condenser cleaning.
12. Condensers: precision-ground elements designed for maximum brilliance and even light distribution. Full coverage of all 35mm, Bantam and Super Slides. Rear condenser is heat-absorbing glass to protect your slides from excessive heat.
13. Power supply: projector operates on 105-125 volts, 60 cycle AC only.
14. Detachable, 8-foot power cord stored on shelf in cover.
15. Fingertip control elevates projector on front elevator leg, locks it securely at any angle.

GETTING YOUR "SHOW ON THE ROAD"...



RELEASE CATCHES (C) are located on both ends of projector. A slight pressure on both simultaneously will release lock. Cover may now be lifted off.

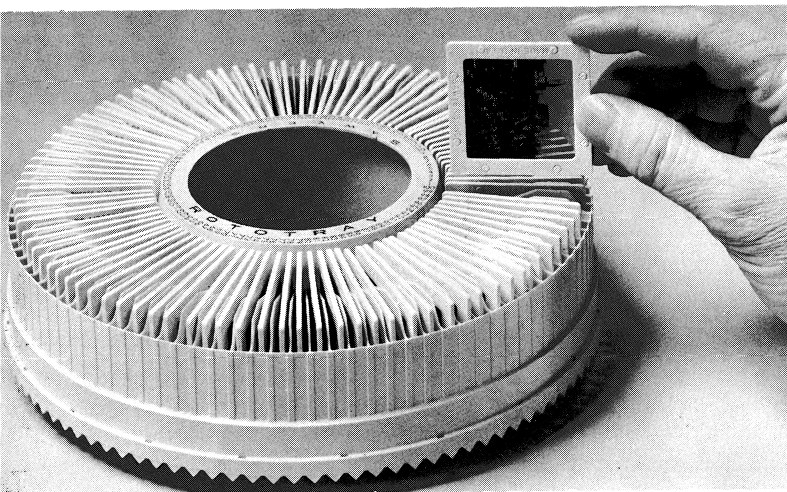
The LENS SHIELD (L) automatically retracts as cover is removed. The POWER CORD and REMOTE CORD are conveniently stored in the pocket of the cover.



Plug power cord into SOCKET (P) located at rear of projector. Then plug other end of cord into any 105-125, 60 cycle AC electrical outlet. Blower and lamp are turned on by switch directly above power socket. Knob turns clockwise, turning on blower before lamp goes on. This assures a continuous flow of air over the projection lamp. A portion of this warmed air is diverted to the slide tray for "pre-heating" the slides. This minimizes slide "popping".

CAUTION. BE CERTAIN REAR VENT IS KEPT CLEAR TO PREVENT PROJECTION LAMP FROM OVERHEATING.

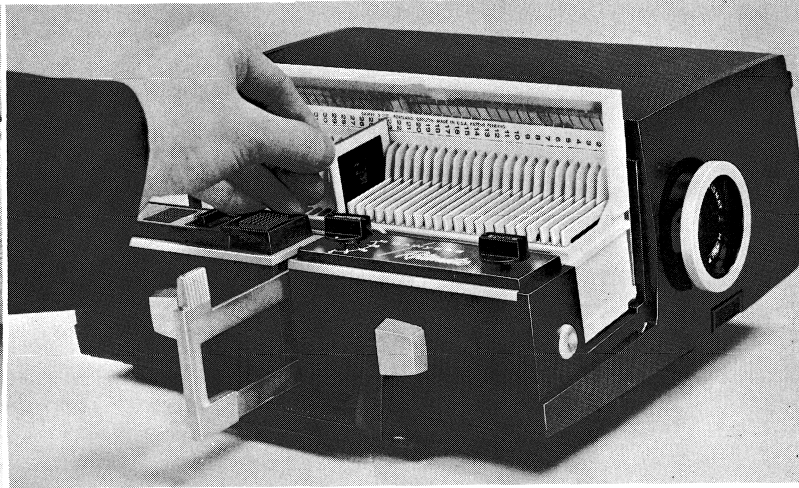
USE EITHER 100-SLIDE *Rototray*[®] OR 36-SLIDE *Easy-Edit*[®] TRAY



The Sawyer's ROTOTRAY will accept paper mounted slides, Sawyer's plastic mounted slides and other slides whose thickness does not exceed 5/64" (.078) maximum. The ROTOTRAY will hold 100 slides with no danger of spilling . . . slides are held in place by a unique spring clip.

To load, place ROTOTRAY on table with open side of slots up. Starting with slot #1, insert slide with top of picture toward the outside of the tray and with the emulsion (dull) side of film facing you. Proceed in this manner until all slides have been inserted in their slots.

Your ROTOTRAY comes in a handsome album for safe and convenient storage. An identification label and index card is also provided. The label is self-adhesive and can be affixed to the end of the album. Additional sequence numbers are also included. The index card can be used to record the subject matter of each slide for reference during your slide show.

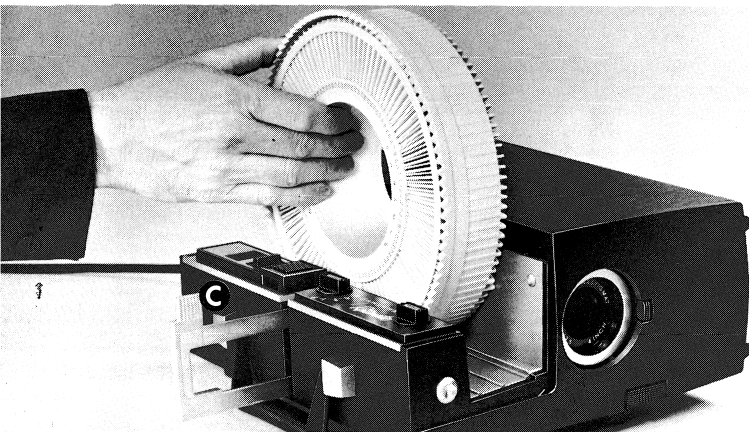


Your ROTOMATIC Slide Projector also includes the popular Sawyer's "EASY-EDIT" 36-slide Tray. With the "EASY-EDIT" Tray, slides can be edited, repositioned and changed back and forth while projector is operating. "EASY-EDIT" Slide Trays will accept any 2x2 slide mount . . . paper, glass, metal or plastic . . . mixed in any order. Tension springs prevent slides from falling out while handling tray.

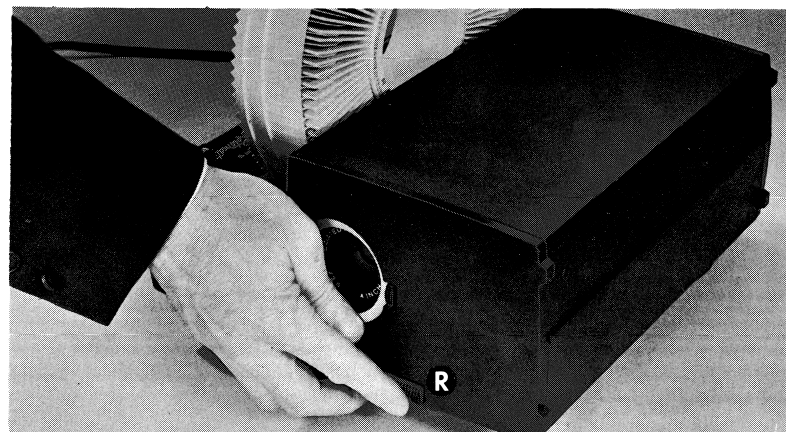
To open "EASY-EDIT" Tray cover for loading, press simultaneously on round lock catch with thumb and tray cover near numbers with forefinger. Hinged cover will now swing open.

In addition to Sawyer's ROTOTRAY and "EASY-EDIT" Tray, your ROTOMATIC will use any of the standard T.D.C.-type slide trays. There are many brands available and come in 30, 36 and 40-slide capacity.

STEP BY STEP PREPARATION PAYS OFF



TO PLACE ROTOTRAY® in projector, fully extend the changer arm (C). Place ROTOTRAY in channel with open side of slots toward projector body and resting on the two nylon guides. Rotate tray until slide number 1 is lined up opposite changer arm. Push in changer arm and your first slide will be in projection position.

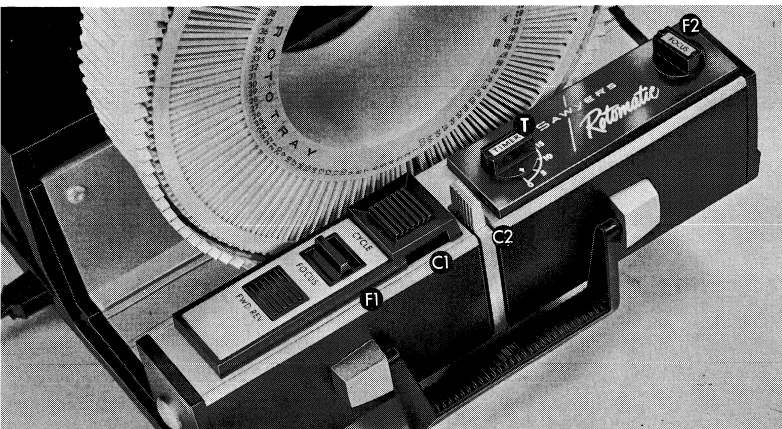


TO ELEVATE PROJECTOR, grasp base of projector and raise to desired height. Pull up on release catch (R) . . . elevation leg will now drop to table surface. Let go of release catch and projector will stay in this position.

SCREEN TO PROJECTOR DISTANCE FOR SLIDE PROJECTION

SCREEN SIZE	40x40	50x50	70x70	100x100	144x144
4-inch lens as supplied with Rotomatic Projectors	9 Ft.	11 Ft.	16 Ft.	22.5 Ft.	33 Ft.
5-inch accessory lens—available for Rotomatic Projectors	11 Ft.	14 Ft.	19 Ft.	27 Ft.	39 Ft.

CONSOLE CONTROL BECOMES HAND REMOTE



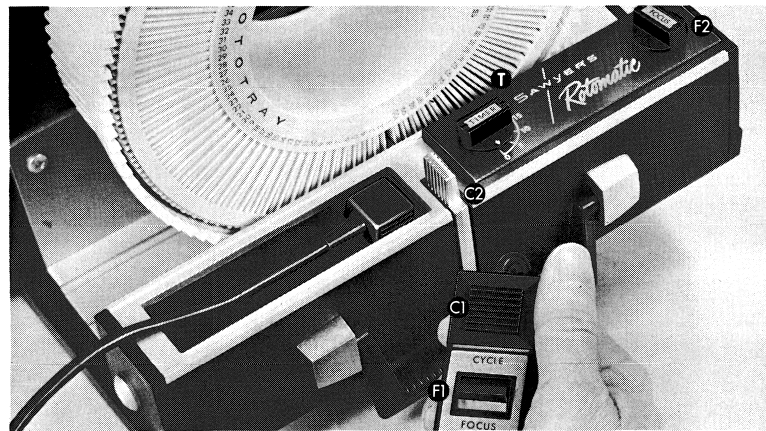
Operating controls are located on projector CONSOLE or you may remove CONTROL UNIT and have a convenient hand remote with all major projector controls at your finger tips.

TO FOCUS: Forward pressure on FOCUS BUTTON (F1) moves lens forward, reverse pressure retracts lens. Hold slight pressure as needed until picture becomes sharp. The lens can also be focused manually by FOCUS KNOB (F2).

TO CHANGE SLIDES: Press CYCLE BUTTON (C1) on CONTROL UNIT and slides will change automatically. Slides can also be changed manually with CHANGER ARM (C2). Pulling changer arm until a positive "Click" is heard advances tray to next position. Pushing changer arm in places slide in projection position.

FORWARD-REVERSE: Tray direction can be reversed by touching "FWD-REV" Button on CONTROL UNIT.

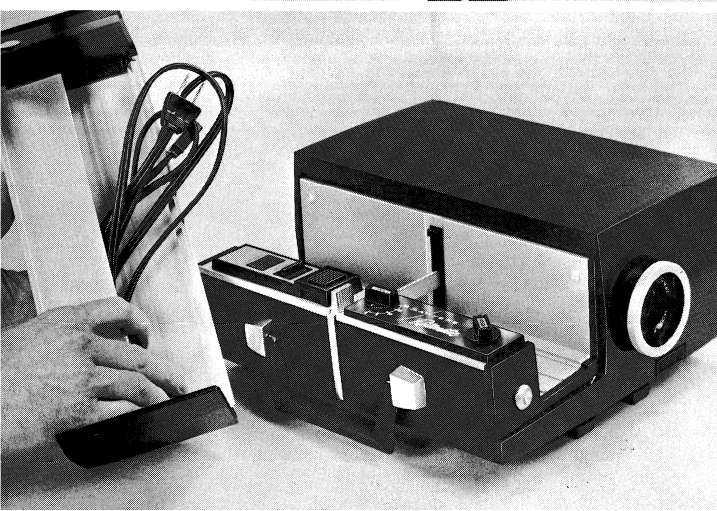
HAND REMOTE: All of the above controls can be operated by remote control. Remove Control Unit by grasping on either side of CYCLE BUTTON (C1) and lifting upward. Remove remote cord and plug



male end into receptacle on projector, female end of cord plugs onto CONTROL UNIT. The CONSOLE CONTROL is now a convenient HAND REMOTE with all controls at your fingertips. If needed, REMOTE CONTROL EXTENSION CORDS are available.

ROTOMATIC® "700" AUTO-TIMER: The ROTOMATIC "700" also features the fully automatic "AUTO-TIMER". Set TIMER DIAL (T) to any of 4 convenient projection intervals... 5... 10... 15 or 30 seconds... projector runs itself. You can "over-ride" the "AUTO-TIMER" and change slides at any time by pressing the CYCLE BUTTON (C1). With timer dial set on "O" slides are changed by pressing cycle button or manually with changer arm. Normally the timer mechanism is in operation whenever the projector is in use. Should you wish to disengage timer mechanism, turn "FAN-LAMP" switch Off and refer to instructions on underside of access cover. WHEN USING THE "AUTO-TIMER", IT IS NECESSARY THAT THE CHANGER ARM (C2) BE PUSHED IN COMPLETELY.

IMPORTANT: IF CHANGER ARM FAILS TO COMPLETE CYCLE FOR ANY REASON TURN OFF POWER SWITCH BEFORE ATTEMPTING TO MOVE CHANGER ARM MANUALLY.



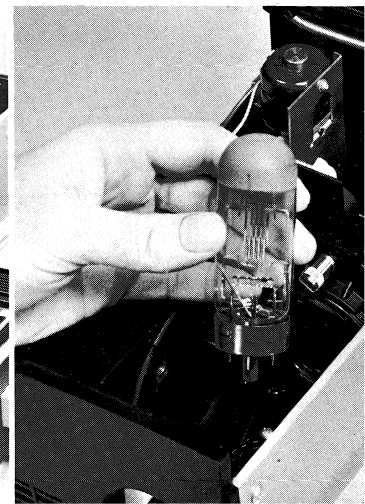
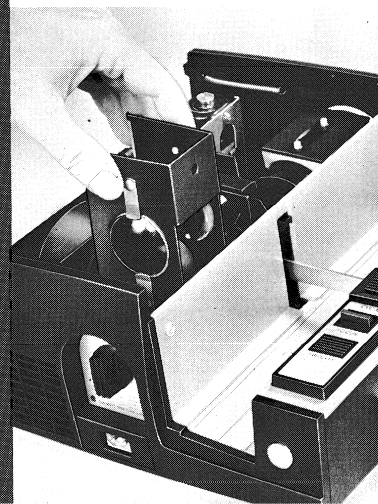
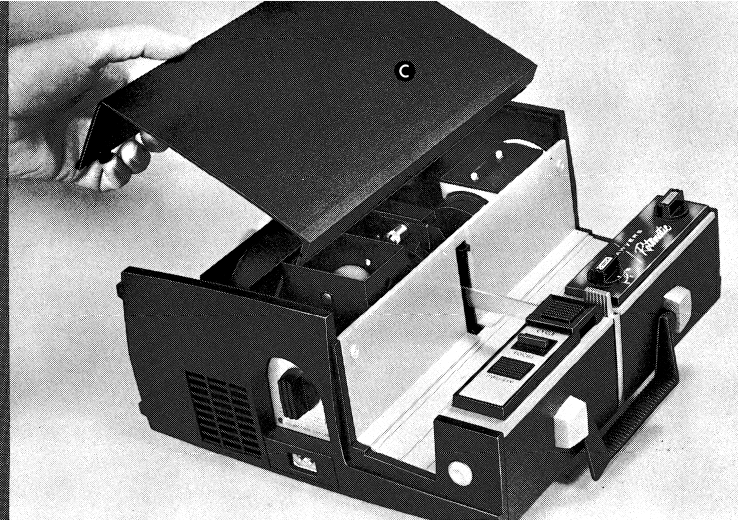
AFTER THE CURTAIN GOES DOWN

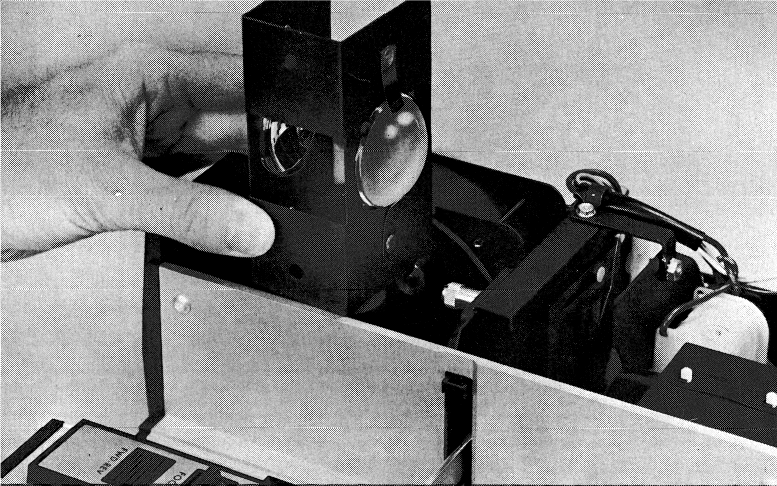
1. **TURN OFF PROJECTOR** lamp and blower at switch (S).
For longer lamp life allow projector to cool before moving. Normally 5 minutes will be sufficient.
2. **RETURN HAND REMOTE** to its place on projector console.
3. **UNPLUG POWER CORD** and store with remote cord in compartment of projector cover.
4. **LOWER PROJECTOR** by grasping projector base and pressing elevation catch. Let projector down gently.
5. **PUSH IN** changer arm.
6. **RETRACT** projection lens fully.
7. **REPLACE COVER.**
8. **PULL** lens shield shut.

CARING FOR YOUR PROJECTOR

WARNING: Before replacing lamp or cleaning condensers and reflector, be sure projector has cooled sufficiently. As a safety measure, always disconnect power cord before removing lamp. Do not remove cover (C) while projector is operating and lamp is turned on.

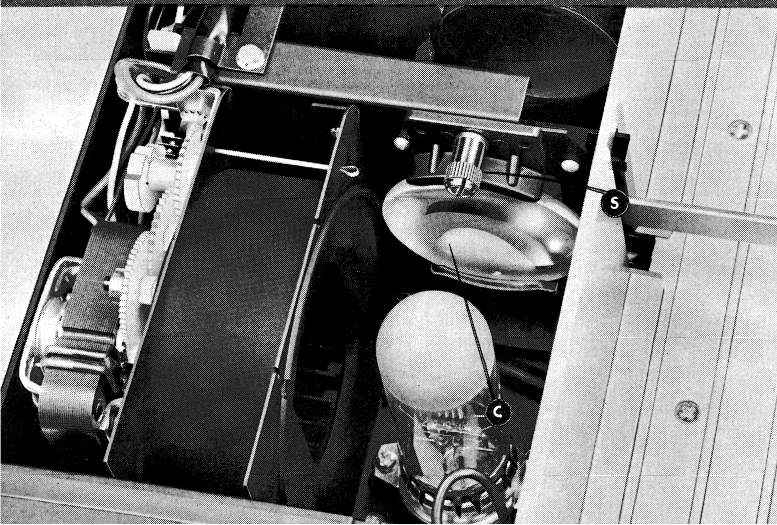
TO CHANGE LAMP: Remove the access cover (C) by lifting from the rear of the projector. Then, lift out metal chimney surrounding lamp. Grasp old lamp and pull straight up *without* twisting. Replace with a new DAK 500-watt lamp. To insert the new lamp, align the key in the center of the lamp base with the keyway in the socket. Then press lamp downward, without twisting, until lamp is seated.





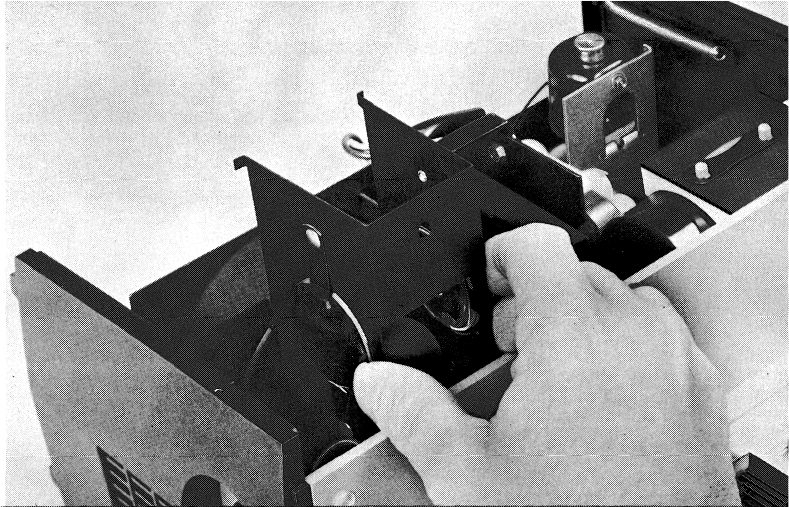
TO CLEAN CONDENSERS: The heat absorbing condenser and the reflector are a part of the chimney assembly and are readily accessible for cleaning.

To clean the lens in the chimney, lift chimney from projector, and clean lens with a soft brush or lens cleaning tissue.

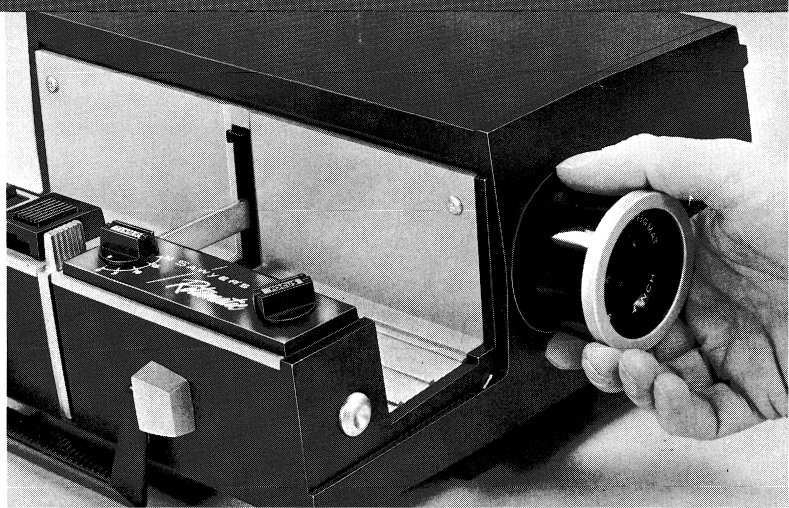


REMOVE THE FRONT CONDENSER LENS, (C) by loosening the thumb screw (S), removing the metal retainer, and lifting out the lens. Clean with soft brush or lens tissue. Replace the front condenser lens with the greatest curved surface to the front of the projector. Replace the metal retainer and thumb screw. Be sure the lens is properly seated before tightening screw.

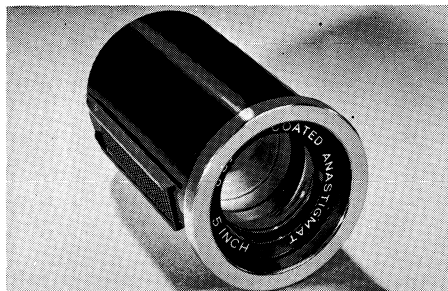
TO REPLACE CHIMNEY: Locate the tabs on the bottom of the chimney into the locating holes on the bottom plate. Then press chimney firmly, until the tabs on the side of the chimney are located in the slots on the blower wall.



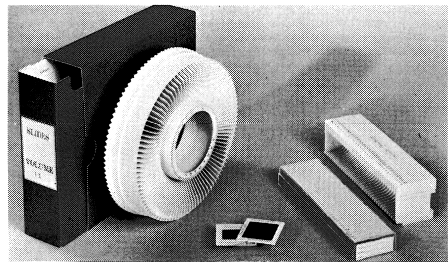
TO CLEAN PROJECTION LENS: Turn the Focusing control knob to the right until you can grasp the lens barrel and slide it out of projector. Clean the lens surface with a soft brush or lens cleaning tissue. Then, replace lens barrel, making certain that rack is properly aligned with pinion gear, and turn focusing knob to the left until barrel is secure.



ACCESSORIES

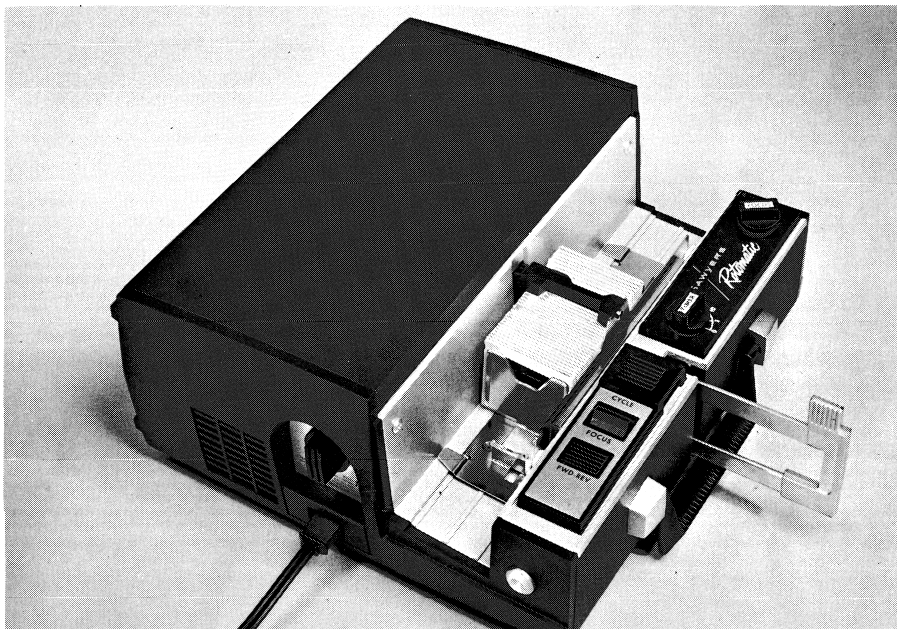


5" PROJECTION LENS. Ideal for showing to larger groups or in situations where the projector must be a greater distance from the screen. Lens is f 3.5 anastigmat . . . coated and color corrected. See chart on page 6 for projection distances and sizes.



EXTRA ROTOTRAY AND EASY-EDIT SLIDE TRAYS. ROTOTRAY Slide Trays come in an attractive slip jacket, EASY-EDIT Trays include plastic dust cover.

SAWYER'S STACK LOADER



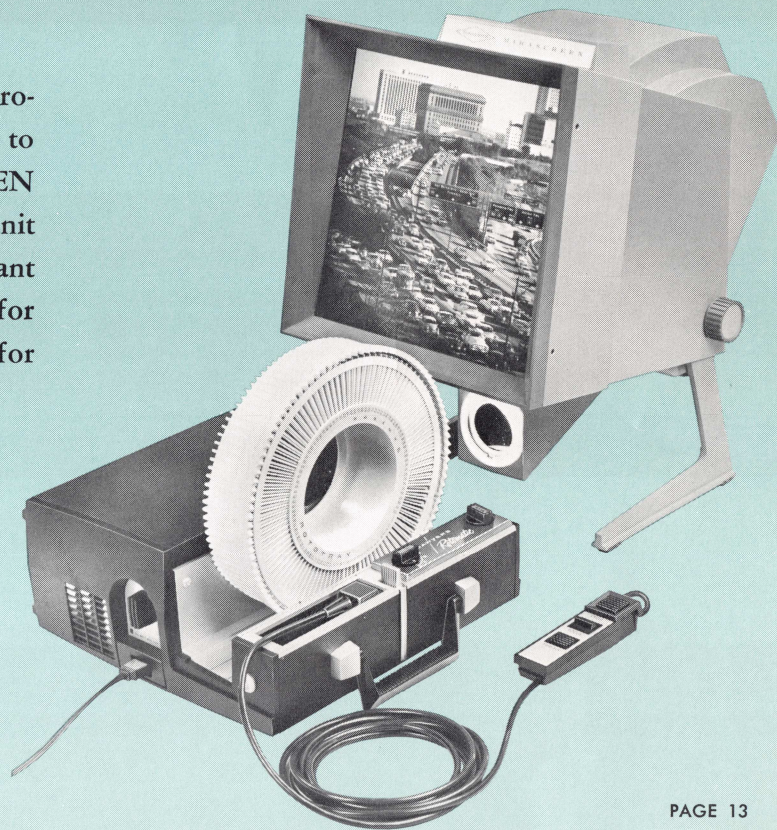
The Stack Loader is a convenient adapter for all Sawyer's Projectors, permitting slide projection without slide trays. Slides are loaded into rear section of Stack Loader . . . move changer arm "in and out" to advance slides. Projected slides move to forward section of Stack Loader.

The Stack Loader will hold up to 46 paper mounted slides, 36 slides in Sawyer's plastic mounts and varying amounts of other types whose thickness does not exceed 5/64" (.078).

SHOW YOUR SLIDES ANYTIME WITH A MIRASCREENTM PROJECTION VIEWER

Show your slides anytime with a MIRASCREEN Projection Viewer. No drapes to draw...no screen to set up...no furniture to move...the MIRASCREEN Projection Viewer is a compact, rear projection unit that sets up in seconds. Shows a big, sharp, brilliant 9" image in broad daylight. It's especially handy for group showing with family and friends... perfect for slide editing. When the show's over, the MIRASCREEN Projection Viewer becomes a small, self-contained, lightweight unit that is easy to store and convenient to carry.

**ASK YOUR PHOTO DEALER
FOR A DEMONSTRATION**

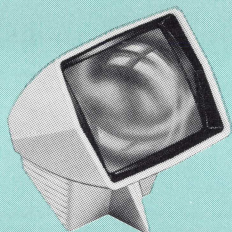


OTHER OUTSTANDING SAWYER'S PRODUCTS TO ADD

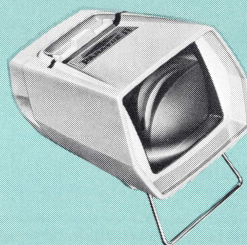


Pana-vue SLIDE-VIEWERS

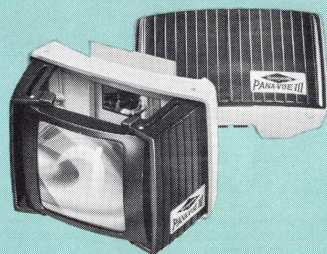
Preferred by slide fans everywhere for Sawyer's precision quality and exclusive features.



PANA-VUE 1. Brilliant panoramic view of all slides in 2x2 mounts . . . stands on table at correct viewing angle, or may be hand-held. Interior light is battery operated.



PANA-VUE 2. Lighted 2x2 slide viewer with feather-touch light switch and handy tabletop stand. Uses batteries or transformer. Full coverage on 35mm, Bantam, and super-slides.



PANA-VUE 3. Folding 2x2 viewer combines vest-pocket convenience with exceptional viewing . . . for all slides in 2x2 mounts.



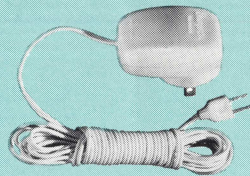
PANA-VUE 4. Lighted hand or tabletop viewer specially created for 35mm slides only. Fingertip light switch "locks on," operates from two "C" batteries.



PANA-VUE 5. Smart "miniature" hand viewer offers top features at lowest cost . . . fine viewing of all slides in 2x2 mounts.



PANA-VUE BI-LENS. The amazing lighted binocular viewer designed for natural viewing with both eyes. Adds new depth to 35mm, Bantam and super-slides; uses batteries or plug-in transformer.



TRANSFORMER. Converts household current for use with Pana-Vue I, II, IV or Pana-Vue Bi-Lens. Complete with 10-foot cord.

TO THE THRILLS AND ENJOYMENT OF SLIDE VIEWING

Enjoy a panorama of beauty . . . in giant-size, 2x2

SAWYERS

Pana-vue COLOR SLIDES

Pana-Vue Slides bring you almost *twice* the transparency area of ordinary 35mm slides . . . for new brilliance, new sharpness, a new *panoramic* view in the viewer or on the projection screen.

Using a new negative-positive color film processing method, Sawyer's creates *each* of these wide-screen slides *from the original negative*. This keeps every detail fresh and sparkling, thrillingly "real" when you look in the viewer, alive with new blaze and brilliance on the screen.

Pana-Vue Scenic Slides are made for all viewers and projectors that accept 35mm slides. Pana-Vue Slides come in durable plastic mounts, free from warpage and frayed edges.

Select from a wide variety of foreign subjects and American scenics—including national parks, famous cities and tourist attractions. Selection also includes clever and appropriate Title Slides to add humor to your slide show. Pana-Vue Slides are packaged in sets of related scenes. They are available at most photo stores or write Sawyer's Inc.



GUARANTEE

This Sawyer's Inc. product is guaranteed to be free from imperfections in workmanship and material for one year from date of original purchase. Should any part of this equipment be defective, it will be repaired or replaced free of charge (except for lamp, optical components and transportation to an authorized service station) within one year from date of original purchase, provided the equipment has been operated according to instructions accompanying it.

This guarantee is void:

1. If equipment has not been registered with Sawyer's Inc.
2. If equipment has been damaged by accident or mishandling.
3. If adaptations or accessories other than those made or suggested by Sawyer's Inc. have been made or attached to the equipment.

No liability is assumed by Sawyer's for film which is damaged or is unsatisfactory for any reason. No liability is assumed for interruptions in operation of the equipment.

The foregoing is in lieu of all other warranties express or implied, and Sawyer's Inc. neither assumes nor authorizes any person to assume for it any obligation or liability in connection with this equipment.

Consult your SAWYER'S INC. Dealer before returning projector for service. He is qualified to determine difficulty.

AUTHORIZED SERVICE STATIONS

SAWYER'S INC.

Portland, Ore. 97207

3500 N. Kostner Avenue., Chicago, Ill. 60641

FOR LASTING PERFORMANCE



Rotomatic
**2 X 2 SLIDE
PROJECTORS**

IF YOU WISH TO RESHIP THIS PROJECTOR FOR ANY REASON, BE SURE TO REPACK IN ITS ORIGINAL CARTON. SEE INSTRUCTION SHEET INCLUDED WITH PROJECTOR.