

TP-66 FEATURES

FIG. 5. Film may be wound or re-wound quickly on the TP-66. Manual operation of the tension arms controls the speed.

shoe is open for threading, the loop setters are placed into position.

Fast Wind and Rewind

Films can easily be rewound on the TP-66 Projector. In this operation, the film is merely threaded over the two sets of idler rollers. Winding in either direction is controlled by manual operation of the tensioning or sensing arms. See Fig. 5. Moving either of the arms in the direction of increased voltage will result in winding of the associated reel. Actual winding time is a function of reel diameter. A 100 foot reel can be rewound in approximately 45

seconds. The largest 20-inch diameter reel will require approximately $5\frac{1}{4}$ minutes.

Automatic Projection Lamp Change

When projection lamp failure occurs, a spare lamp is automatically moved into place and activated. The changeover mechanism consists of two projection lamps, mounted on a movable plate so that either of the lamps can be placed into operation on the optical axis. See Fig. 6. The plate moves either up or down depending on its initial position. An indicator lamp on the control panel gives constant indication of the condition of the stand-by lamp.

FIG. 6. Automatic lamp-change-mechanism places a new lamp into position within one second of lamp failure.

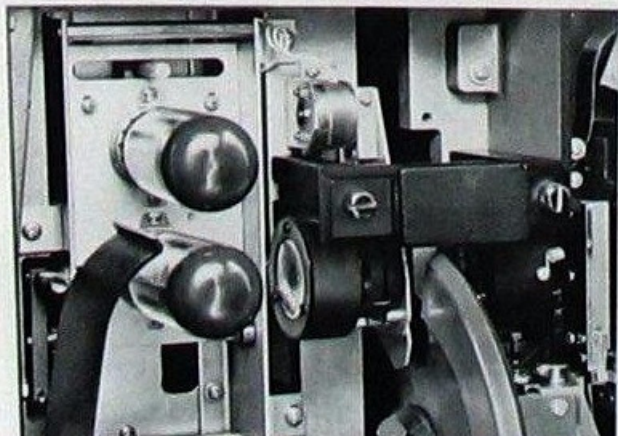
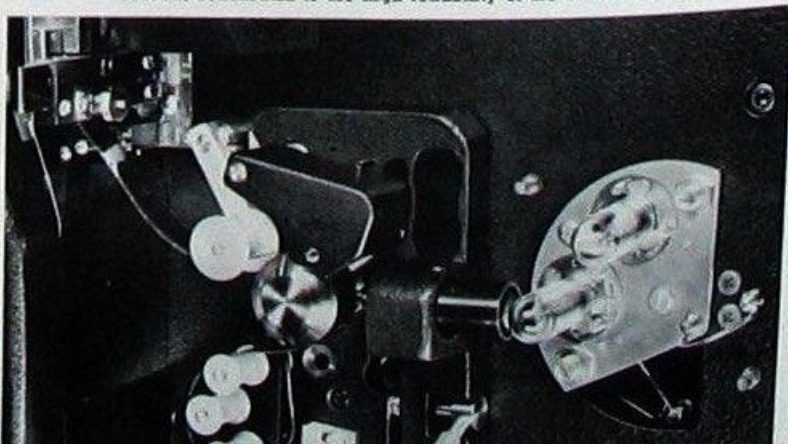


FIG. 7. Automatic exciter lamp-changer, operating within one second, contributes to the high reliability of the TP-66 Projector.



The projection lamps have a wafer stem keyed socket somewhat similar to an octal base tube socket. Easy access is provided for convenient and speedy replacement of lamps, even while the machine is running. The keyed base and socket assure proper alignment of the lamp upon replacement.

Automatic Exciter Lamp Change

Another contribution to the unusually high degree of overall reliability is an automatic exciter lamp change device. See Fig. 7. An indicator is provided to show when the changer is in its normal position. Removal of a single cover equipped with snap fasteners permits easy and rapid replacement of the defective exciter lamp.

Automatic Loop Restorer

Loss of loop, caused by torn sprocket holes or otherwise seriously damaged film, is instantly recovered by the automatic loop restorer built into the new projector.

FIG. 8. Loss of loop caused by defective film is instantly recovered by the automatic loop restorer, shown pulsed to its optimum loop position.

