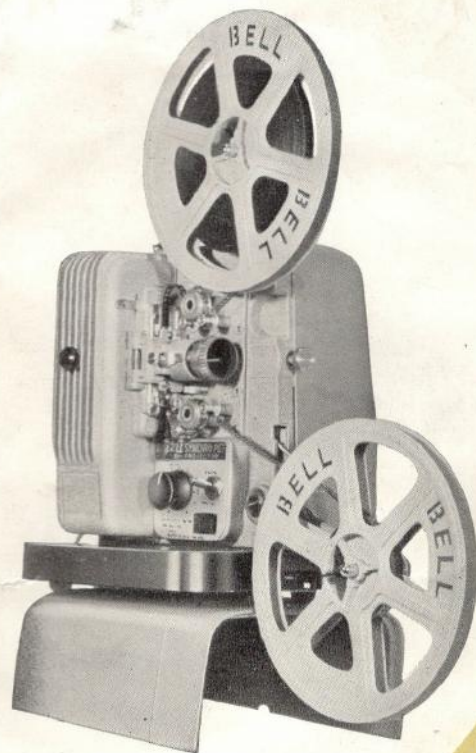


**BELL**

**8mm PROJECTOR**

**SYNCHRO PET**



**BELL**

**8mm PROJECTOR**

**SYNCHRO PET**

**BELL & KOON CO., LTD.**  
Tokyo Japan

Fig. 4

**1. Reel:**

Remove the take-up reel (200 feet) under the base. (Fig. 1)

**2. Cover:**

Remove the cover bearing the nameplate. This cover may be used as a stand while projecting. (Fig. 2)

**3. Reel Arms:**

Open the upper and lower arms until they stop.

**4. Spring Belts:**

During projection only the lower belt should be engaged. The upper belt should be disengaged.

**5. Rewinding:**

After projection the film is rethreaded directly from the lower reel to the upper. The lower belt is then disengaged and the upper engaged before turning on the motor.

**6. Speed Control:**

Set the speed controller to 5 or above before turning on the motor. (Fig. 3)

**7. Test Before Projection:**

Before threading the film switch on the motor. As soon as operation speed is reached switch on the lamp.

**8. Projection Angle:**

This may be set by adjusting the tilt device in the front of the base. (Fig. 4)

Fig. 1

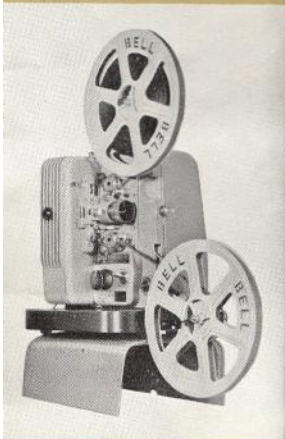


Fig. 2

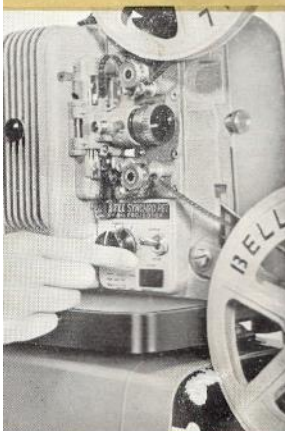


Fig. 3

# BELL

## PROJECTOR

### SYNCHRO TYPE

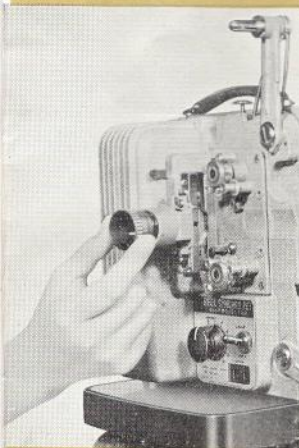


Fig. 5

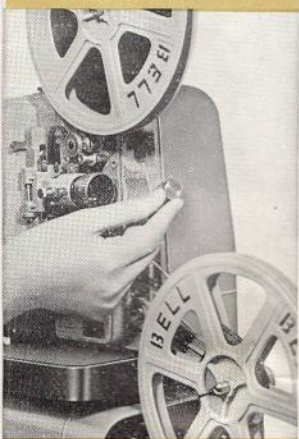


Fig. 6



Fig. 8



Fig. 9

#### 9. Threading the Film:

Open the lens holder (Fig. 5) and thread the film from the upper reel in turn through the upper sprocket, aperture plate, lower sprocket and the take-up reel. Close the lens holder and test that the film is correctly threaded and is transporting by turning the manual knob. (Fig. 6)

#### 10. Projection:

When the film is correctly threaded switch on the motor and lamp in turn and adjust the focus by turning the projection lens.

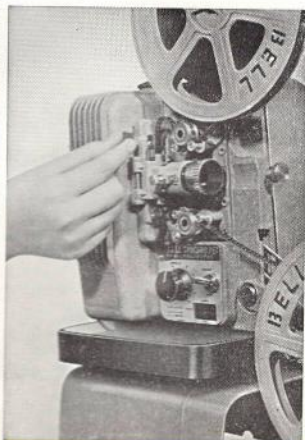


Fig. 7

#### 11. Framing:

If the top or bottom line of the picture frame is visible on the screen during projection, adjust by raising or lowering the framing lever. (Fig. 7)

Fig. 10

#### 12. Broken Film:

Should a film breakage occur or the film fail to transport due to torn perforations or faulty threading, cut off motor and lamp immediately.



#### 13. After Projection:

Switch off lamp and motor and follow rewind procedure.



Fig. 11

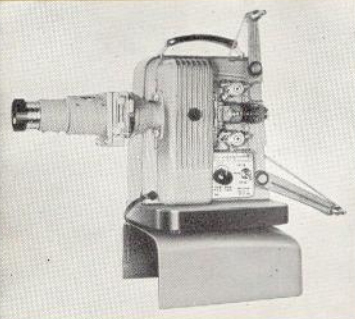


Fig. 12

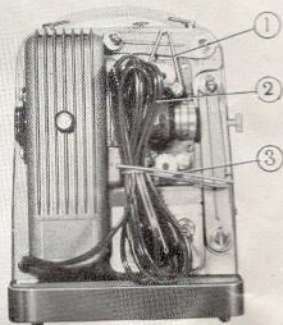


Fig. 13

### SPECIFICATIONS:

Projection Bulb: 500 Watt

Projection Lens: 17 mm f/1.4 super wide angle lens.

Voltage: When ordering, voltage and type of plug to be specified.

Reel: Unless otherwise specified, one reel of 200 feet to be supplied. The reel available up to 400 feet, if specifically required.

Dimensions: 10 cm × 22 cm × 19 cm.

Net Weight: 4 kgs. (8.8 lbs)

Speed Adjuster: The speed adjuster for synchronization is not installed inside the projector. This is to be installed only when the BELL PET Synchro Box is purchased in combination.

### 14. Replacement of Projection Lamp:

Remove lamp house holding screw (Fig. 8) and take off lamp house. Pressing down slightly turn old lamp bulb a quarter turn counter-clockwise and lift out. Insert new lamp bulb and pressing down slightly turn a quarter turn clockwise to lock in position. (Fig. 9)

### 15. Silde Projection:

The 35 mm attachment fits very simply to the projector as follows:—

- Remove cap (reflector is attached to the back of cap) at rear of the projector lamp house. (Fig. 10)
- Remove lamp house (Fig. 8) and fit slide attachment to rear of aperture by dint of the two knurled screws. (Fig. 11) It is unnecessary to remove condenser lens.
- Open projector lens holder and fit plate in slot of aperture.
- Replace lamp house, fit the slide changer, turn on motor and lamp and proceed with slide projection. (Fig. 12)

### 16. Anamorphic Lens Projection:

Anamorphic lens can be attached to the projection lens, if desired.

### CAUTION:

Before closing projector, be certain that cord and spring belt are in proper position. 1. Fasten rewind belt on upper sprocket retainer. 2. Wind cord and place in position as illustrated (Fig. 13). 3. Fasten take up belt on lamphouse screw to retain line cord on projector.