

## D CABLE LASHER CARE AND MAINTENANCE

### Contents

	Page
1. General .....	1
2. Description .....	1
3. Lubrication of Lasher .....	3
4. Care of Lasher .....	3
5. Repairs .....	3

### 1. GENERAL

- 1.01 This section covers the care and maintenance of the D Cable Lasher.
- 1.02 If operating difficulties are experienced, the procedures being followed should be reviewed to insure that any deviations from the instructions contained in the Bell System Practices are not contributing to the unsatisfactory performance of the lasher.

### 2. DESCRIPTION

2.01 The D Cable Lasher weighs approximately 38 pounds without lashing wire. It uses 045 C Steel Lashing Wire and lashes aerial cables up to full size on suspension strands up to and including 25,000-pound strand. The lasher has two lashing wire magazines, and snubbing pulleys for tensioning the wire. The coils of lashing wire are held stationary and the wire is fed from the center (inside end) of the coil through a throated hole before it is threaded around the snubbing pulleys. See Figs. 1, 2 and 3.

2.02 Two strand drive wheels are mounted in the forward part of the carriage and a small trailer wheel is located in the rear of the carriage.

RIGHT SIDE OF LASHER

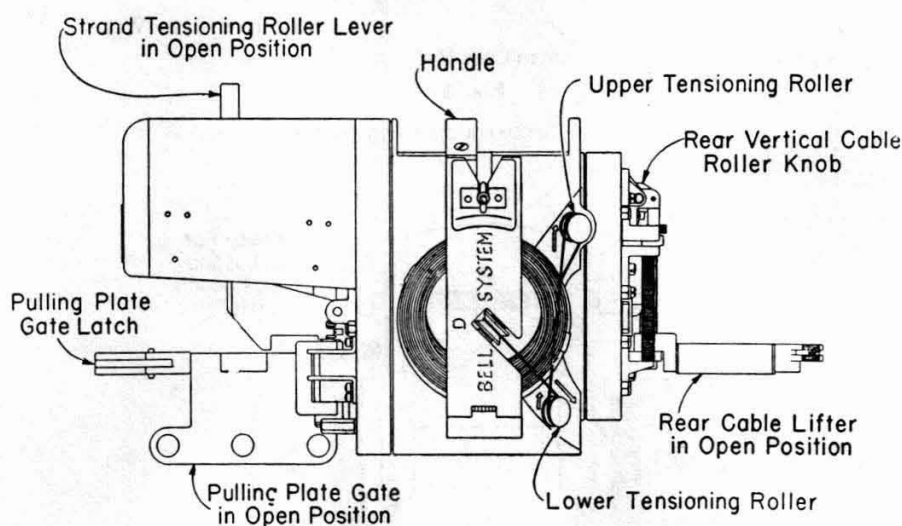


Fig. 1

LEFT SIDE OF LASHER

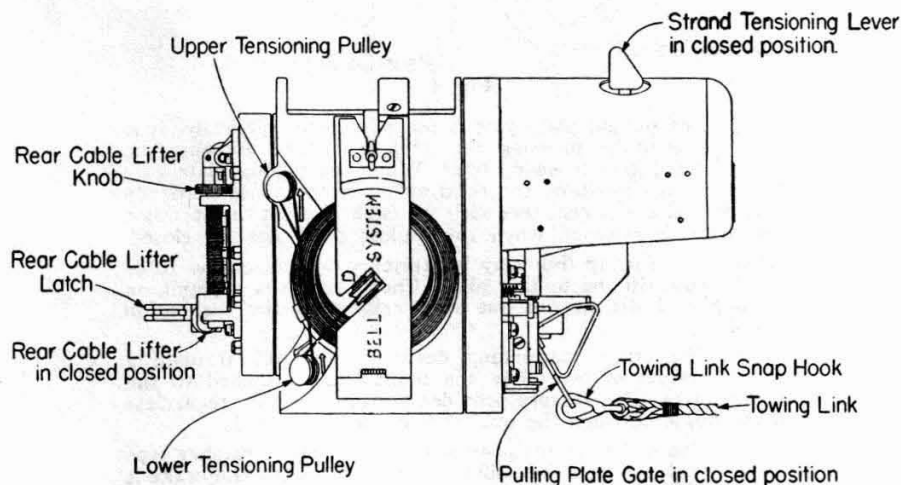


Fig. 2

2.03 The rear cable lifter is adjustable vertically, when open, by turning a knurled knob. The rear cable lifter is opened by pressing the latch and swinging the roller to the open position. The rear vertical cable rollers are adjustable by turning a knurled knob. The vertical cable rollers are spring mounted to prevent jamming. See Fig. 4.

UNDER SIDE OF LASHER

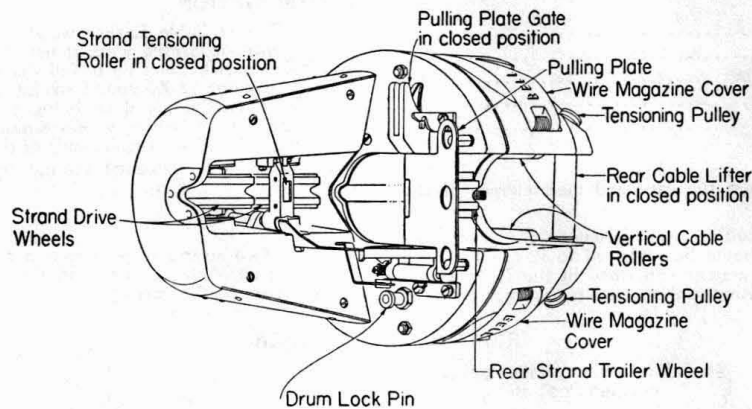


Fig. 3

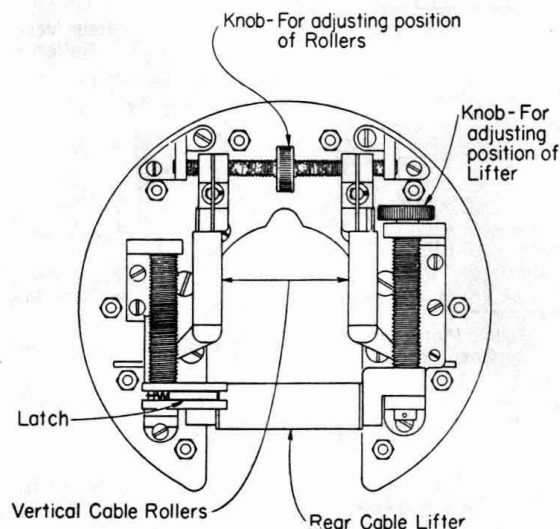


Fig. 4

2.04 The pulling plate gate is not adjustable vertically. It is opened by pressing the latch lever and allowing the spring-loaded gate to swing open. When the pulling plate gate is in the open position, the rotating drum locks automatically when its cable slot registers with the cable slots in the carriage. The drum is released when the pulling plate gate is closed.

2.05 The towing link may be attached to one of the three holes in the pulling plate. Choice of holes depends on the angle of the towing line with respect to the suspension strand.

2.06 The strand tensioning device is actuated through a system of levers by the pulling line attached to the pulling plate. This feature provides uniform traction regardless of the angle between the pulling line and the strand.

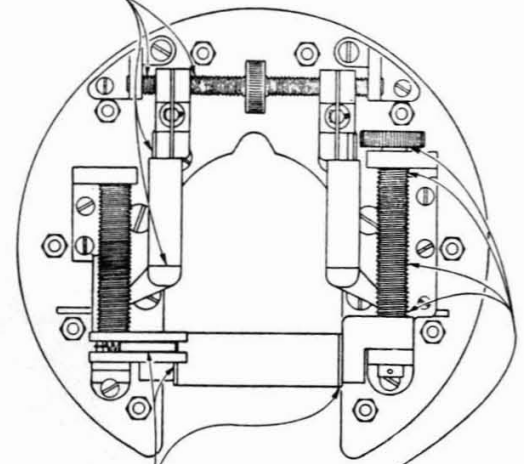
2.07 The lasher is equipped with an automatic ratchet type brake. When the pulling plate gate is open the brake is released. When the pulling plate gate is closed, the brake is released by backward movement of the pulling plate against its stops.

### 3. LUBRICATION OF LASHER

3.01 The following parts require **monthly** lubrication with S.A.E. 10 or 20 automotive engine oil. Lubricate more frequently during periods when the lasher is in constant use. See Figs. 5 and 6.

#### MONTHLY LUBRICATION CHART

Shafts and threads of rear vertical cable rollers.



Threads and shaft of rear cable lifter.

Latch and roller of rear cable lifter

Fig. 5

#### Wipe lasher free of excess oil.

- Shaft and vertical post of strand tensioning roller.
- Shafts and threads of rear vertical cable rollers.
- Threads, shaft, latch and roller of rear cable lifter.
- Post, roller and latch of pulling plate gate.
- Drum lock pin and linkage pivot points.
- Latch post and hinge of wire magazine cover.

#### MONTHLY LUBRICATION CHART

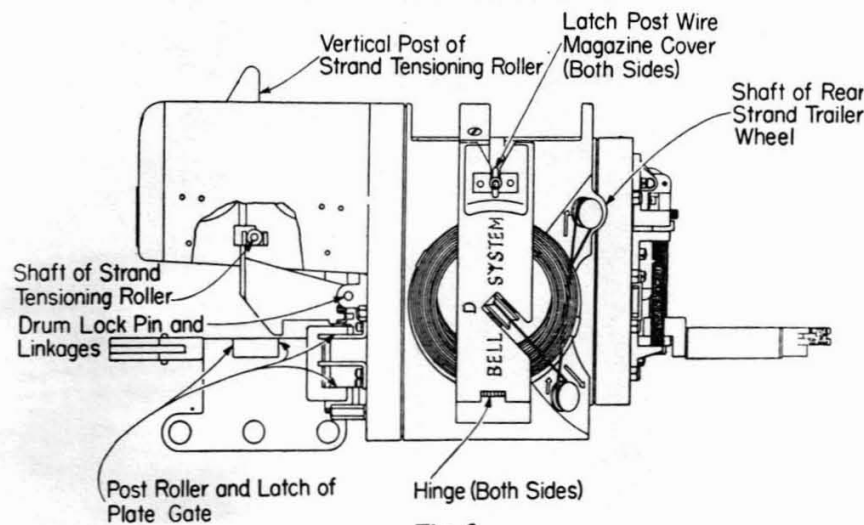


Fig. 6

### 4. CARE OF LASHER

4.01 A carrying case is provided to protect the lasher when not in use. The lasher should be transported in its carrying case.

4.02 Precautions should be taken to keep dirt, grit, and other foreign materials from the lasher mechanism. The lasher should never be set on the ground.

4.03 All screws and nuts should be kept tight.

### 5. REPAIRS

5.01 If repairs or replacements are required, the lasher should be returned in its carrying case in accordance with local instructions.

5.02 Rubber strand drive wheels require replacement when worn to the point where the strand tensioning roller in the engaged position does not make contact with new 6M suspension strand.