

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**SECTION G52.122.2**  
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## **LASHED AERIAL CABLE**

### **HANDLING OF "B" CABLE LASHER**

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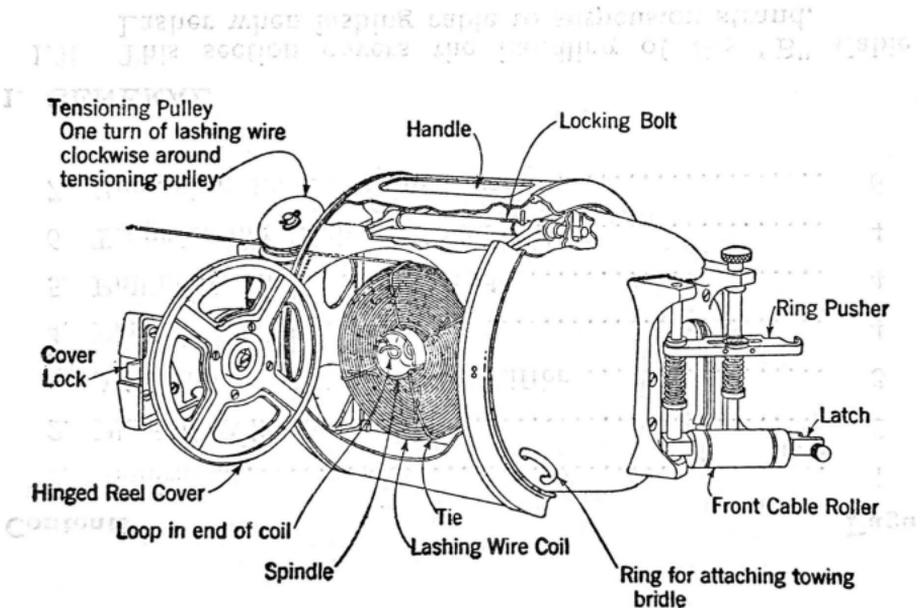
#### **1. GENERAL**

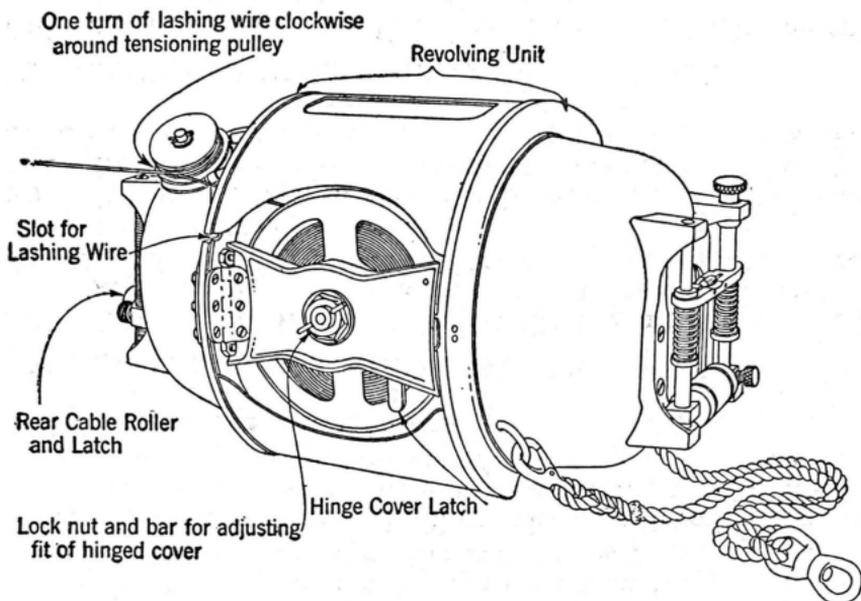
- 1.01 This section covers the handling of the "B" Cable Lasher when lashing cable to suspension strand.
- 1.02 To obtain tight lashing be sure to use the proper tensioning pulley. Mount pulley on the bracket so that the large diameter side of the tapered portion is adjacent to the bracket. Select pulley on the basis of the lashing wire to be used, as follows:

<b>Kind of Lashing Wire</b>	<b>Size of Tensioning Pulley Required</b>
091 B Steel Lashing Wire	1-1/4 Inch
091 B Aluminum Lashing Wire	3/4 "
065 C Steel Lashing Wire	3/4 "

## 2. PLACING WIRE IN LASHER

2.01 To place a coil of wire in the machine, open the reel cover by releasing the latch. Place the coil of wire on the spindle with the surface which is flush with the inner end of wire, facing out. The looped end of the coil should be placed in the slot so that the loop is in the center of the spindle. Hold the coil against the bottom flange of the reel with one hand and cut the cotton tape bindings. Grasp the bindings near the knots and pull them out one at a time. Pull the outer end of the wire through the slot in the revolving unit and then latch the reel cover. Pull out sufficient wire for terminating and take one turn in a clockwise direction around the tensioning pulley. When closing the reel cover, the latch should be operated by hand. **Do not slam the cover shut.**





2.02 The reel flange should fit snugly against the coil. If it does not, the wire may wedge, thus causing it to bind. If it is necessary to adjust the cover to secure a snug fit on the wire coil, the lock-nut of the threaded sleeve should be loosened and the sleeve turned by means of the pin provided for this purpose. The lock-nut should then be tightened. If, however, the cover does not close sufficiently to latch properly, back off the adjusting pin so as to provide satisfactory operation.

### 3. ADJUSTMENT OF REAR CABLE LIFTER

3.01 The rear cable lifter should be positioned so that the top of the cable will be approximately 1/4 inch from the underside of the strand.

3.02 Only one adjustment of the rear lifter is necessary for a given size of cable. To adjust, turn the knurled nut on the hinge post until the cable lifter is in the desired position. This adjustment should be made while the roller is in the open position.

#### 4. PLACING LASHER ON STRAND

4.01 In placing the lasher on the strand, proceed as follows:

(1) Make sure that the locking bolt located beneath the carrying handle on the rotating unit is in the locked position.

(2) Raise by means of a handline.

(3) Swing the ring pusher and both front and rear cable lifters open to clear the slot. The cable lifters are kept shut by means of spring latches. The latch should be operated when swinging the cable lifters to the open position rather than forcing them open, so as not to damage the posts. A spring holds the cable lifters in the open position.

(4) Place the lasher over the strand and cable so that both rubber strand wheels rest on the strand.

(5) Attach the snaps of the towing bridle to the pulling rings.

(6) Raise the cable and latch the cable lifters. When closing the cable lifters be sure to operate the latch.

**Do not slam them shut** as that may damage the posts.

(7) Check the adjustment of the rear cable lifter and make any further adjustment required.

(8) Close the ring pusher. Turn knob controlling the spring action in a counterclockwise direction as far as it will go. This allows the compression spring on the post to bear against the underside of the ring pusher.

(9) Pull out sufficient lashing wire for terminating and clamp the lashing wire to the strand with a lashing wire clamp or a one-bolt clamp.

(10) Release the locking bolt.

#### 5. PULLING LASHER ALONG STRAND

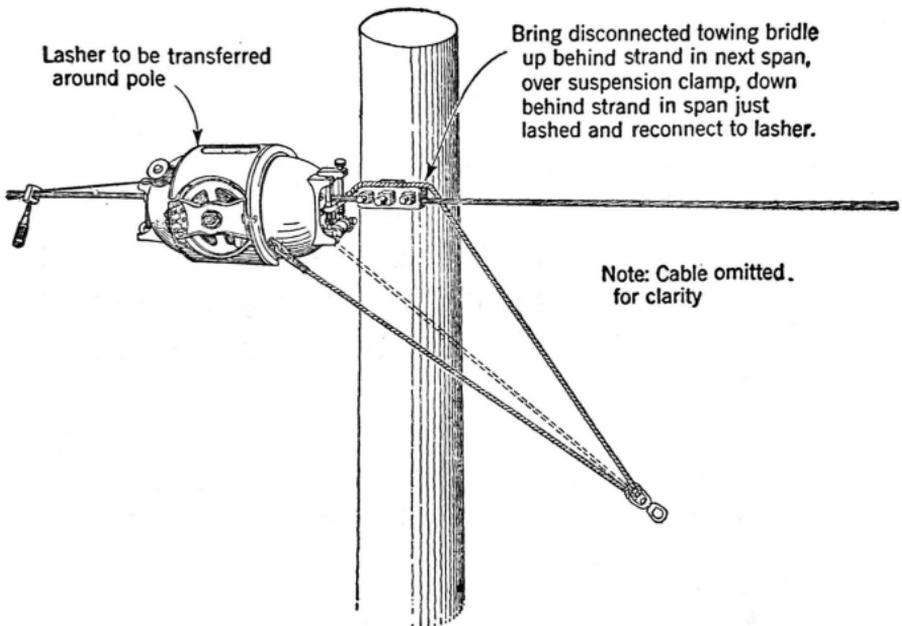
5.01 In so far as it is practicable, the towing line should be kept in line with the pole line as side pull tends to swing the cable out of plumb and may result in excessive wear on the strand wheels.

5.02 Where a splice in the span is located less than 10 feet from a pole or strand crossover, do not lash this short section of cable. Place supports as shown in Section G52.125.3.

#### 6. TRANSFERRING LASHER AROUND POLE

6.01 In transferring the lasher around a pole from one span to another, proceed as follows:

- (1) While the towing line is still under tension, clamp the lashing wire to the strand so as to avoid any possibility of the wire slacking off.
- (2) Pull out sufficient wire for terminating and cut it off.
- (3) Disconnect the towing bridle on the pole side of the lasher.
- (4) Bring the disconnected end of the towing bridle up behind the strand in the next span, over the suspension clamp, down behind the strand in the span just lashed and reconnect to the lasher.



- (5) Lock the locking bolt.
- (6) To release ring pusher, turn knob in a clockwise direction. Swing the ring pusher and both front and rear cable lifters open to clear the slot. Operate the latches when swinging the cable lifters open.
- (7) Raise the lasher from the strand and place on the strand in the next span as described in Part 4.

## 7. REMOVING LASHER FROM STRAND

7.01 The operations of removing the lasher from the strand are essentially the same as for transferring around a pole except that the towing bridle is disconnected and the lasher is lowered to the ground by means of a handline. It is important to be sure that the locking bolt is in the locked position to prevent the revolving unit from turning.

7.02 The lasher should be kept in the carrying case at all times when not in actual use.