

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

**SECTION G52.122.4**  
**Issue 2, April, 1957**  
**AT&T Co Standard**

## **LASHED AERIAL CABLE**

### **HANDLING OF "C" CABLE LASHER**

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#### **1. GENERAL**

1.01 This section covers the handling of the "C" Cable Lasher. This lasher uses 045 C Steel Lashing Wire and lashes cables 1-1/2 inches or less in diameter. Section G52.122.4, ← Issue 1 is replaced.

1.02 The methods involved in terminating lashing wire, placing and arranging supports, spacers, and shields are now shown in Section G52.125.1 to Section G52.125.7, inclusive.

1.03 The description, care and maintenance of the "C" Cable ← Lasher is covered in Section G83.825.3. ↘

#### **2. PLACING WIRE IN LASHER**

2.01 Prepare the coil as follows:

(1) Cut and remove coil binding at loop at center (inside end) of coil.

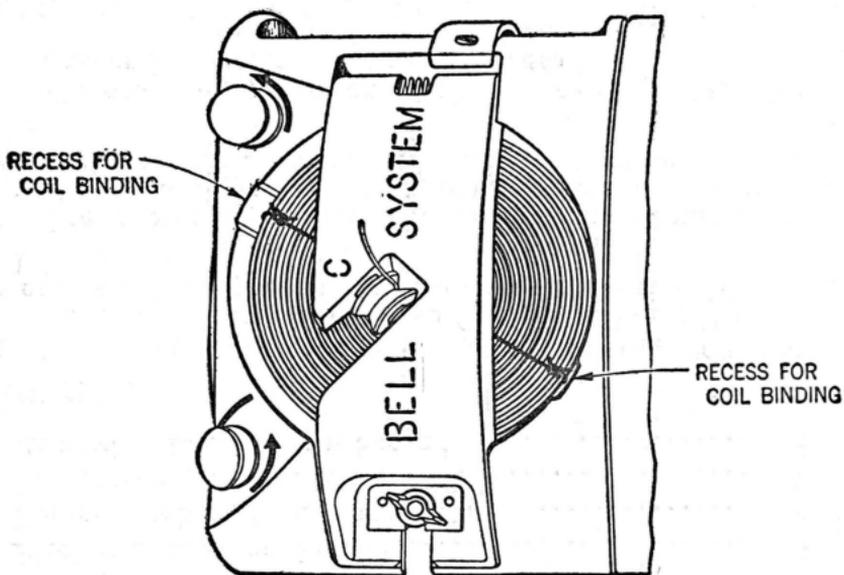
(2) Cut and remove opposite binding. Do not cut the other two bindings.

(3) Cut off loop of wire from outer end of coil. ←

(4) Cut off loop of wire and unwind about one foot of wire from the **inside** of the coil. Loose end should emerge from face side of coil.

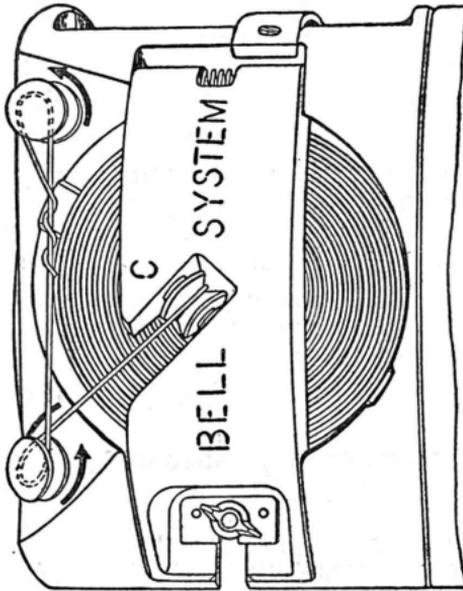
2.02 If coils are installed aloft, engage strand tensioning roller, open front cable lifter and rotate drum of lasher until it locks.

- (1) Loosen wing nut on cover latch and open latch. Cover will open automatically.
- (2) Place coil in magazine. Face of coil should be toward open side of magazine. Position coil with the two coil bindings in the recesses. Feed the loose end (inside end) of wire from the center of the coil through the throat in the cover.



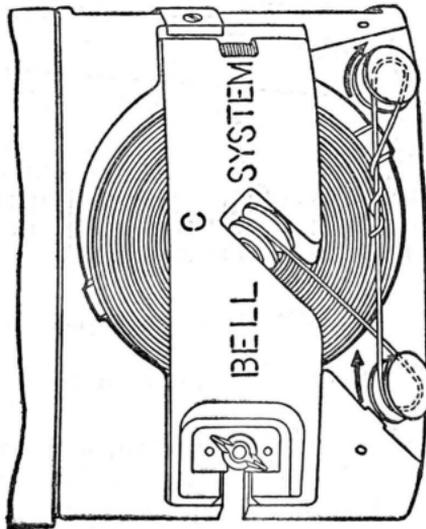
- (3) Close cover, latch, and tighten wing nut part way.
- (4) Cut the two remaining bindings and remove them. (If portions of the bindings are not removed, they may cause snagging of the lashing wire.)
- (5) Tighten the wing nut.
- (6) Thread lashing wire around the snubbing pulleys and wind the free end of the lashing wire as shown so that it does not project or dangle from the lasher.

LEFT SIDE



FRONT OF LASHER →

RIGHT SIDE



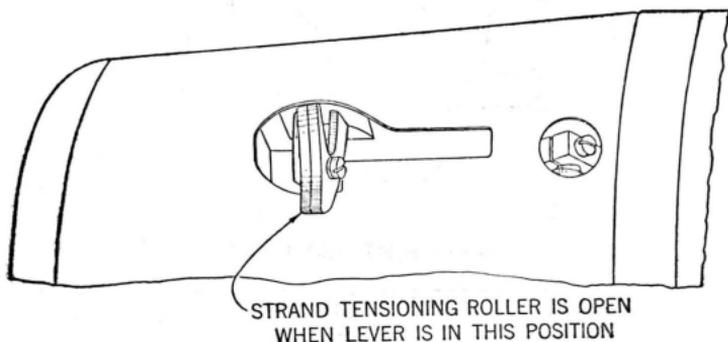
← FRONT OF LASHER

### 3. PLACING LASHER ON STRAND

3.01 After removing lasher from carrying case and installing lashing wire proceed as follows:

- (1) Open front cable lifter, and rotate drum of lasher until it locks.
- (2) Close rear cable lifter and adjust it to the lowest position.
- (3) Adjust rear vertical cable rollers to their widest opening.
- (4) Strand tensioning roller should be in the open position.

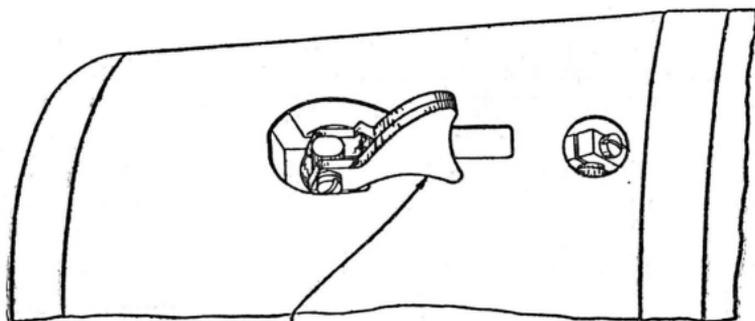
When strand tensioning roller lever (between strand drive wheels at top of lasher) is crosswise, the roller is in the open position.



STRAND TENSIONING ROLLER IS OPEN  
WHEN LEVER IS IN THIS POSITION

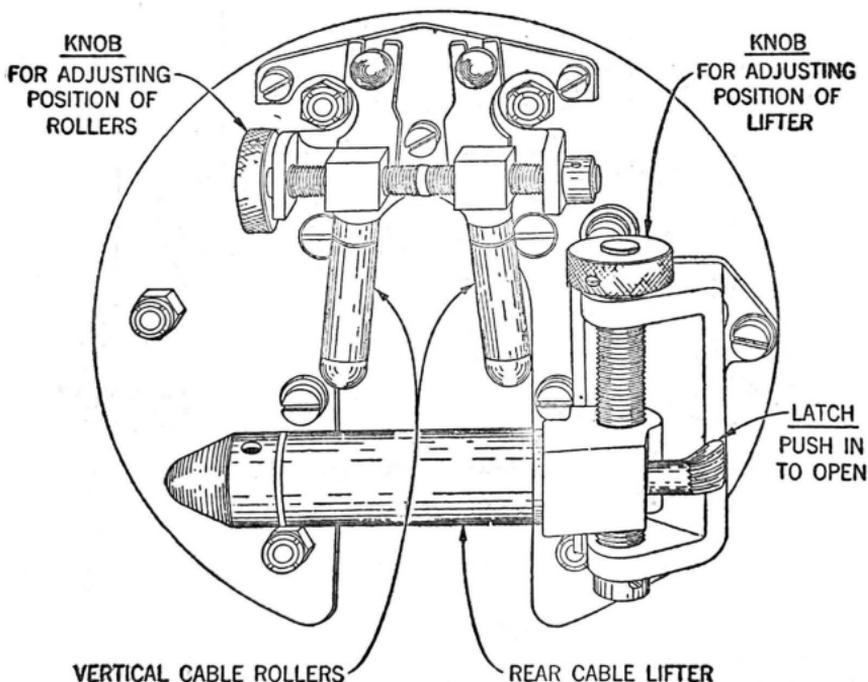
3.02 Raise lasher by means of a handline attached to the handle.

- (1) Open rear cable lifter.
- (2) In placing the lasher on the strand, be sure that the strand drive wheels and small rear trailer wheel are properly positioned on the strand.
- (3) Engage strand tensioning roller by rotating the lever forward, and then swinging it backward to the end of its travel. This locks the lasher on the strand. When the roller is in the engaged position, the lever is parallel to the strand.



STRAND TENSIONING ROLLER IS ENGAGED  
WHEN LEVER IS IN THIS POSITION

(4) Close rear cable lifter. Turn knob to adjust position of lifter so that the top of the cable will be from **1/8 inch** to **1/4 inch** from the underside of the strand. Raise large cables off the roller when making this adjustment. Then adjust position of the vertical cable rollers to clear cable approximately **1/8 inch**. These adjustments need not be changed as long as the same diameter cable is being lashed.

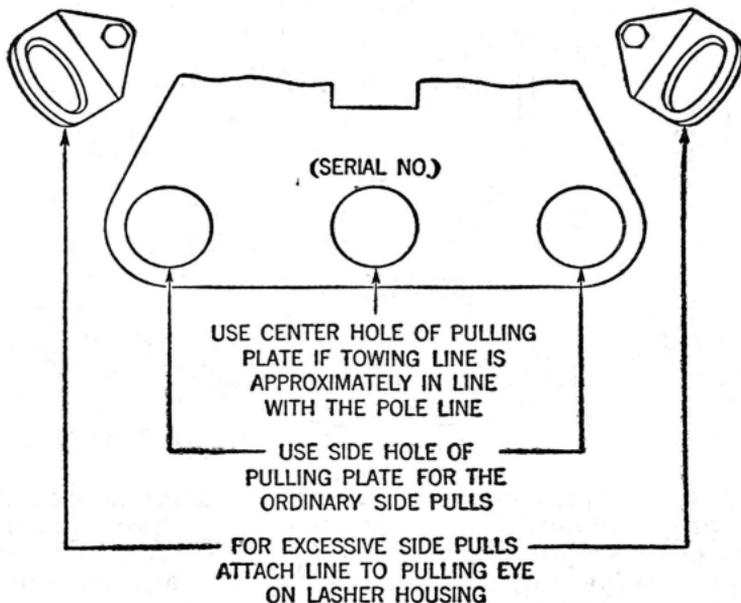


(5) Pull out sufficient lashing wire for terminating, and clamp lashing wire to the strand with a C Lashing Wire Clamp. The clamp should be placed at least one foot behind the lasher.

(6) Close front cable lifter.

#### 4. PULLING LASHER ALONG STRAND

4.01 Attach towing link, as follows:



4.02 The automatic brake operates when the lasher stops and tension is removed from the towing line, and releases when towing is resumed. Tension need not be maintained in the towing line when the C Cable Lasher is not in motion. To move the lasher backwards, proceed as follows:

- (1) Before releasing the brake, clamp the lashing wire to the strand.
- (2) If the lasher is within reach, release brake by pushing against the pulling plate.
- (3) If the lasher is not within reach and the towing line is attached to the pulling plate, release brake by pulling back on the towing line.

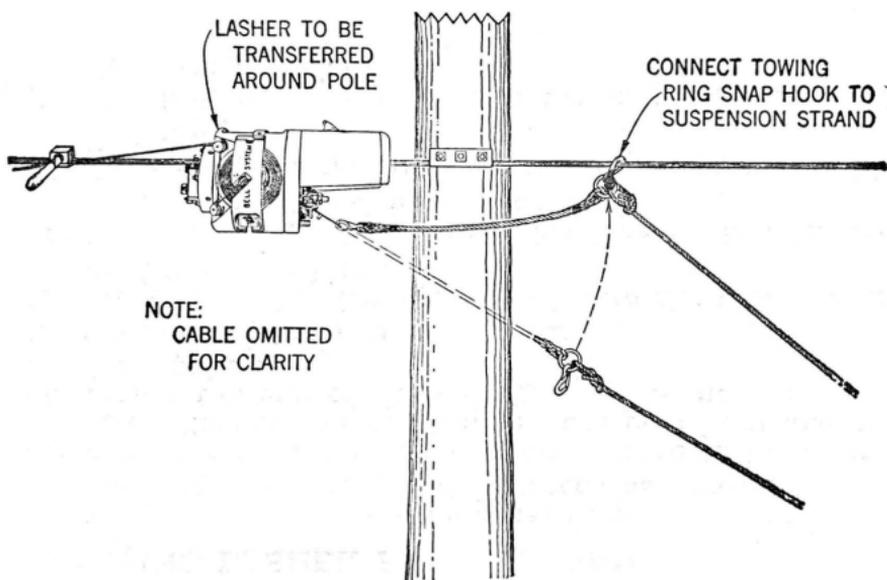
**Note:** When the towing line is attached to one of the pulling eyes, a separate line attached to the pulling plate may be used to release the brake.

4.03 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.

## 5. TRANSFERRING LASHER AROUND POLE

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

- (1) Clamp the lashing wire to the strand.
- (2) Pull out sufficient wire for terminating and cut it off.
- (3) Open the front and rear cable lifters.
- (4) Move the lasher forward or backward along the strand until the drum locks.
- (5) Connect towing ring snap hook to the suspension strand in the next span.



- (6) Release strand tensioning roller by swinging the lever forward and then rotating it to a position crosswise of the strand. This unlocks the lasher from the strand.
- (7) Raise the lasher from the strand and place on the strand in the next span as described in Part 3.
- (8) Disconnect towing ring snap hook.

(9) Before lashing the next span, check the amount of lashing wire remaining in the lasher. When a coil has been used to the point where the thickness of the remaining portion is about 1/4 inch, approximately 200 feet of wire are left. If it is estimated that there is not enough wire remaining in the coil to lash the next span, wind the free end of the lashing wire around the upper snubbing pulley so that it does not project or dangle from the lasher unless the coil is to be replaced at this time.

## **6. REMOVING LASHER FROM STRAND**

6.01 In removing lasher from the strand preparatory to lowering it to the ground, proceed as follows:

- (1) After the lashing wire has been clamped to the strand and sufficient lashing wire has been pulled out and cut off, secure the end of the lashing wire around the upper snubbing pulley.
- (2) Open front and rear cable lifters.
- (3) Move the lasher forward or backward along the strand until the drum locks.
- (4) Remove towing line, attach handline to handle, and release strand tensioning roller.
- (5) Raise lasher from strand, close front and rear cable lifters, and lower lasher.

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