

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

**SECTION G86.105.1**  
**Issue 1, February, 1952**  
**AT&T Co Standard**

## **STRAND SHIFTERS**

### **DESCRIPTION**

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#### **1. GENERAL**

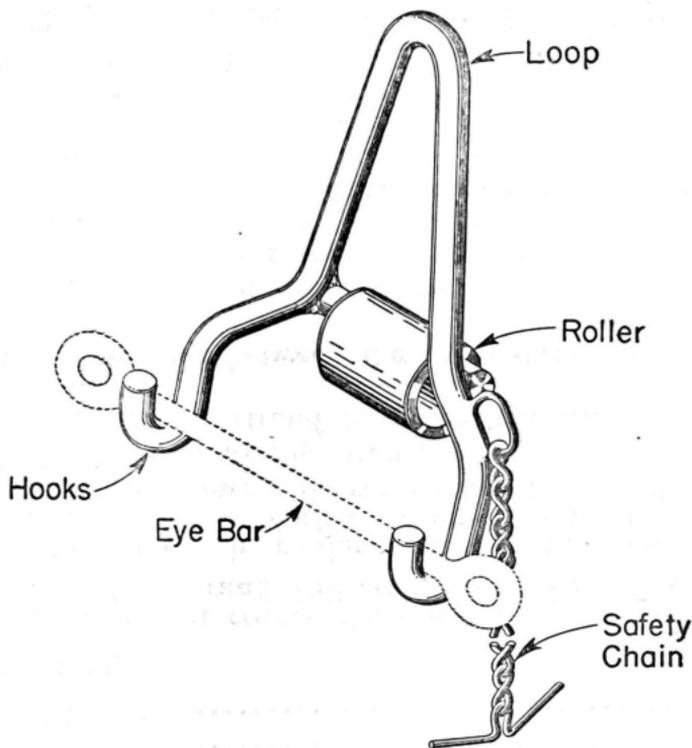
- 1.01 This section covers the Cable Shifting Tool and the B and C Strand Shifters. Section G86.535 is replaced.
- 1.02 These tools, in conjunction with the standard chain hoist or tackle blocks, are intended for use on corner poles where the following operations are being performed:
- (a) Raising or lowering strand.
  - (b) Transferring strand in connection with pole replacement work.
  - (c) Placing nuts between the cable suspension clamp and the pole.
  - (d) Replacing cable suspension bolts.
  - (e) Replacing cable suspension bolts with cable suspension screws.
  - (f) Replacing cable suspension clamps with corner suspension clamps.

#### **2. DESCRIPTION**

##### **Cable Shifting Tool**

2.01 The cable shifting tool consists of a steel frame formed in a loop or clevis at the top to engage the hook of the hoisting device, and two hooks at the base for engaging with either the suspension strand or the eye-bar with which the tool is equipped. The crossbar carrying the tubular steel roller serves as a fulcrum for the tool and facilitates its movement along the

pole with the strand and cable held clear of the pole. A short length of chain with toggle is welded to the frame to serve as a means for preventing the tool from accidentally falling. The eye-bar is used with the cable shifting tool when the strand pulls away from the corner pole.

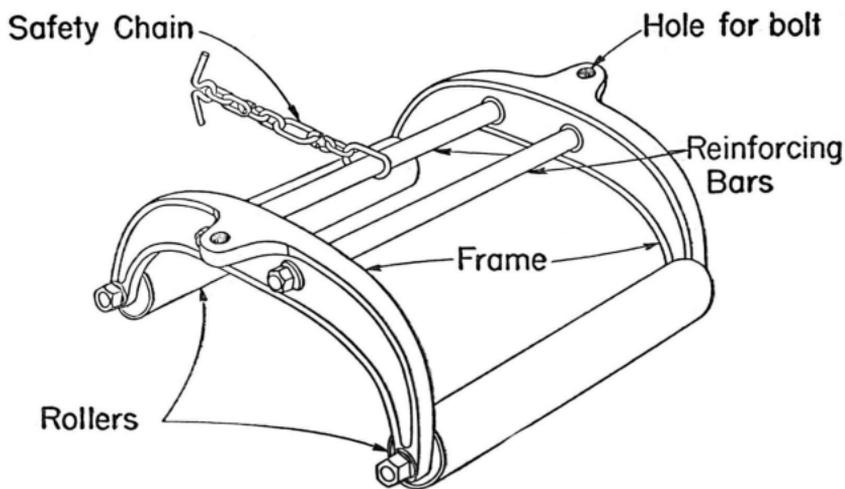


CABLE SHIFTING TOOL

2.02 The cable shifting tool is for use only where small cables and light corners are involved. Its use should be confined to 6000-pound strand or to corners of 15 feet or less in the case of 10,000-pound strand.

**B Strand Shifter**

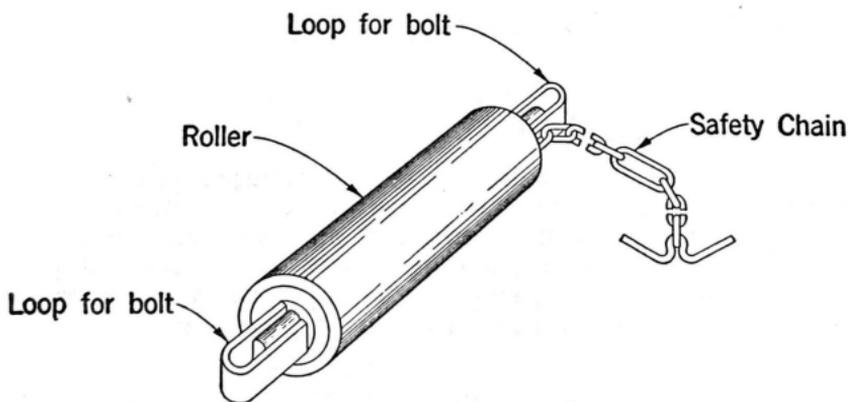
2.03 The B Strand Shifter, for use where the pull is toward a corner pole, weighs approximately 24 pounds and consists of two aluminum rollers which bear against the pole mounted in an arched-steel frame which bridges over the strand and cable. The frame is provided with two brackets to receive cable suspension bolts and a safety chain for temporarily attaching the tool to the strand.



**B STRAND SHIFTER**

**C Strand Shifter**

2.04 The C Strand Shifter, for use where the pull is **away** from the corner pole, weighs approximately 11 pounds and consists of a single aluminum roller mounted on a shaft having loops at each end and to receive connecting bolts and a safety chain for temporarily attaching the tool to the strand.



**C STRAND SHIFTER**

2.05 The B and C Strand Shifters are suitable for use under all load conditions.

### 3. INSPECTION

3.01 Each employee shall assume the responsibility of determining that the cable shifting tool or strand shifter, before being used, is in good condition and its appearance does not indicate injury or defects sufficient to impair its usefulness or safe handling. This requires that the tool be inspected, immediately before it is used.

3.02 No attempt shall be made to straighten a cable shifting tool or a strand shifter that has been bent out of alignment. Employees in the field shall see that such a tool in their possession as well as one containing a defect sufficient to impair its usefulness is withdrawn from service, properly tagged as defective and returned in accordance with local Company routines.