

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

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TOOLS

LINEMEN'S CLIMBERS

DESCRIPTION

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1. GENERAL

1.01 This section, together with Sections G80.801.2, G80.801.3 and G80.801.4, include the care and maintenance of Linemen's Climbers and the precautions to be observed in their use. This section replaces Issue 1. It has been rewritten to include the C Linemen's Climbers which supersede the B Linemen's Climbers.

2. TYPE A LINEMEN'S CLIMBERS

2.01 The Type A Linemen's Climbers were available in 13 sizes ranging from Size 14 (14 inches) to Size 20 (20 inches) in half sizes. The size of the climber is the length from the bottom of the stirrup to the extreme end of the leg iron.

2.02 The Type A Climber is finished with black paint and may be identified by the marking "Bell System-A" which is stamped on the leg iron.

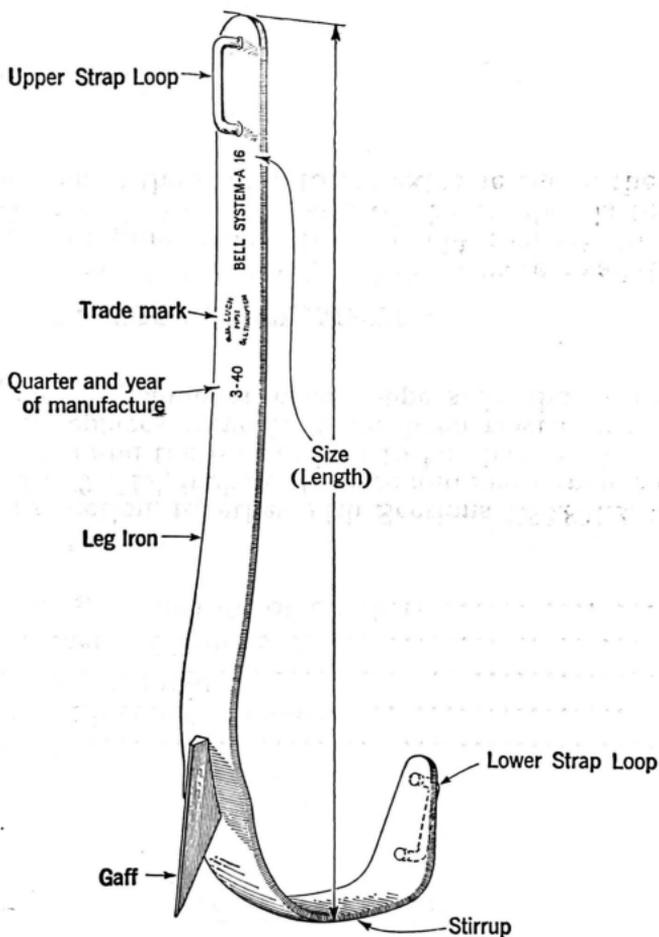


FIG. 1

3. B LINEMEN'S CLIMBERS

3.01 Paragraph 2.01 also applies to the B Linemen's Climbers.

3.02 The B Climber is finished with aluminum paint and may be identified by the marking "Bell System-B" which is stamped on the leg iron.

4. C LINEMEN'S CLIMBERS

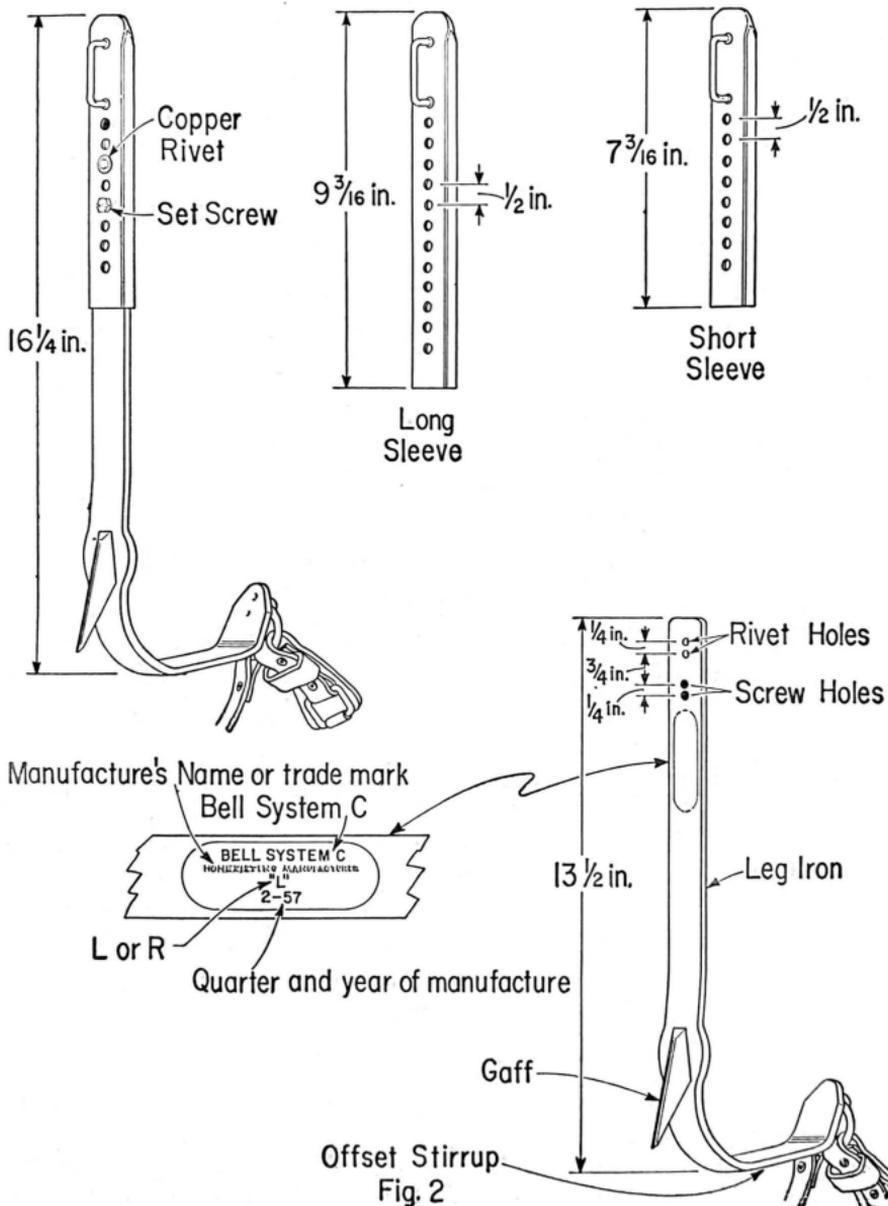
4.01 The C Linemen's Climbers have adjustable leg irons, offset stirrups and ring attached foot straps.

4.02 The C Climbers are finished with aluminum paint. Because of the offset stirrup and ring attached foot straps, the climbers are made for the right and left side and are marked "R" or "L" on the leg iron.

4.03 The adjustable feature is accomplished by means of a sleeve which slides over the leg iron and is fastened to the leg iron by means of a set screw and lock washer and a copper rivet and burr (tight fitting washer).

4.04 There are two lengths of sleeve, one measuring 7-3/16 inches and the other 9-3/16 inches. With the shorter sleeve, the climber may be adjusted from 14-1/2 inches to 18-1/2 inches. With the longer sleeve, adjustments may be made from 18-1/2 inches through 20-1/2 inches.

4.05 Adjustments of the sleeve on the leg iron may be made in increments of 1/4 inch.



5. OBTAINING PROPER FIT OF CLIMBERS

5.01 To determine the correct size of a climber, measure the distance from the lower edge of the projecting knee-bone to the underside of the shoe at the arch, as shown in Fig. 3 and subtract 1/2 inch.



FIG. 3

5.02 To assemble C Climbers, proceed as follows:

- (1) Slide the sleeve over the leg iron and adjust to the required length. Place the lock washer on the set screw and fasten the set screw to the leg iron from the gaff side of the leg iron.
- (2) Try on the climber and if it fits comfortably, insert the copper rivet from the stirrup side of the leg iron. Place the burr over the rivet and peen the rivet with a riveting hammer.
- (3) Repeat the operations in Paragraphs 5.01 and 5.02 for the other climber.

5.03 It should not be necessary to bend the leg irons to obtain a comfortable fit. If discomfort exists, it may be remedied by use of either the straight or angle cushioned climber pads.

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