

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

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AT&T Co Standard

B LADDER SUPPORT

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1. GENERAL

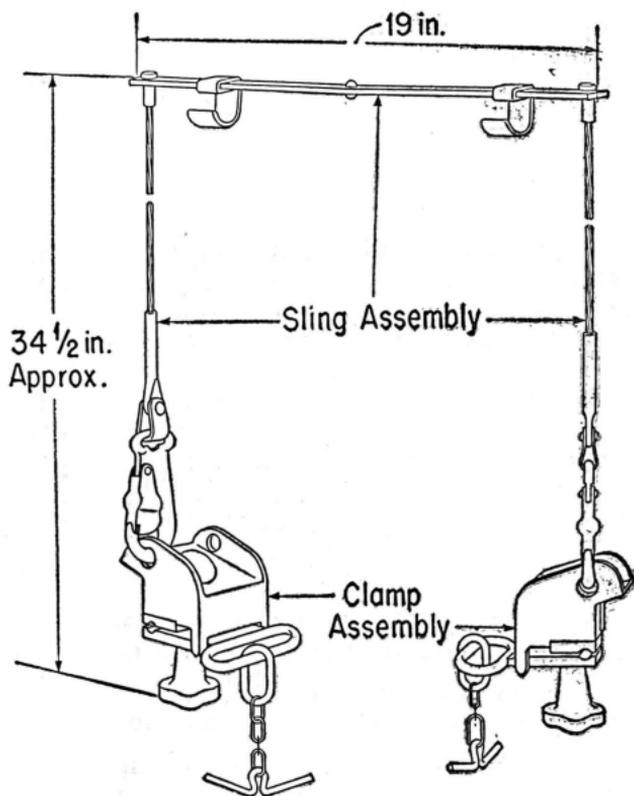
1.01 This section describes the B Ladder Support and covers the method of using it to suspend an extension ladder from the strand in splicing or repairing aerial cable.

1.02 The use of the support permits the splicer to sit or stand between the ladder and the cable.

1.03 The clamp assemblies can be used to attach an extension ladder to the strand.

2. DESCRIPTION

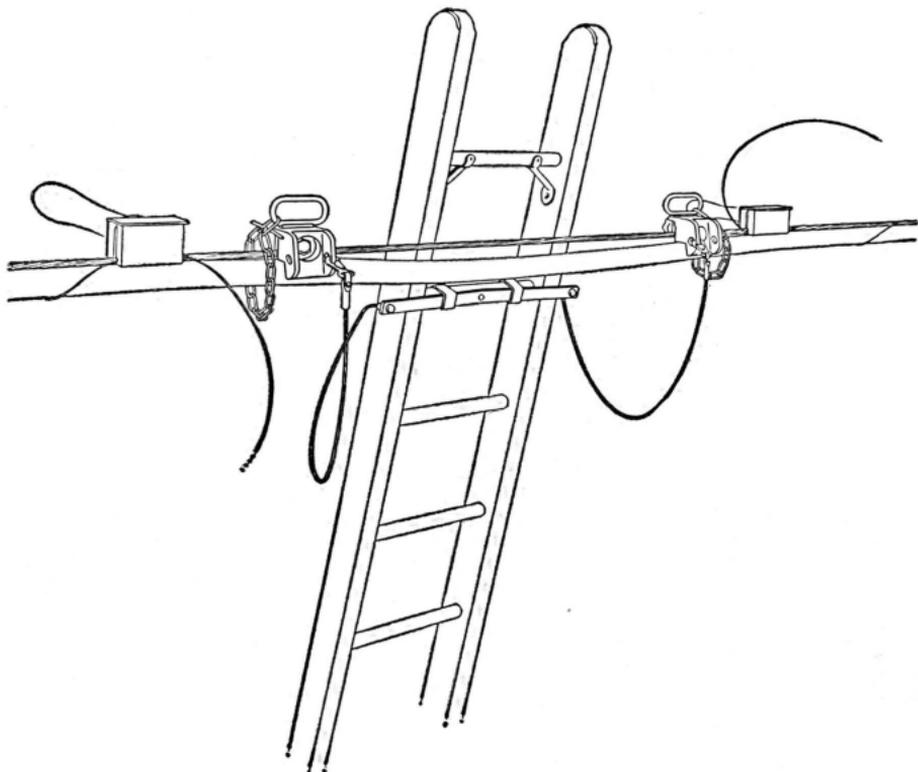
2.01 The B Ladder Support is illustrated in the following sketch. It consists of two clamp assemblies, each clamp being grooved to fit the strand, and a sling assembly. The clamps can be attached to the strand of either lashed or ring supported cable without disturbing the cable. The clamps are equipped with safety chains to prevent them from falling in the event of accidental disengagement. The sling assembly consists of a bowed bar equipped with two sliding hooks and two wire ropes, one at each end of the bar. Each rope terminates in a snap hook by means of which the rope is connected to a clamp assembly.



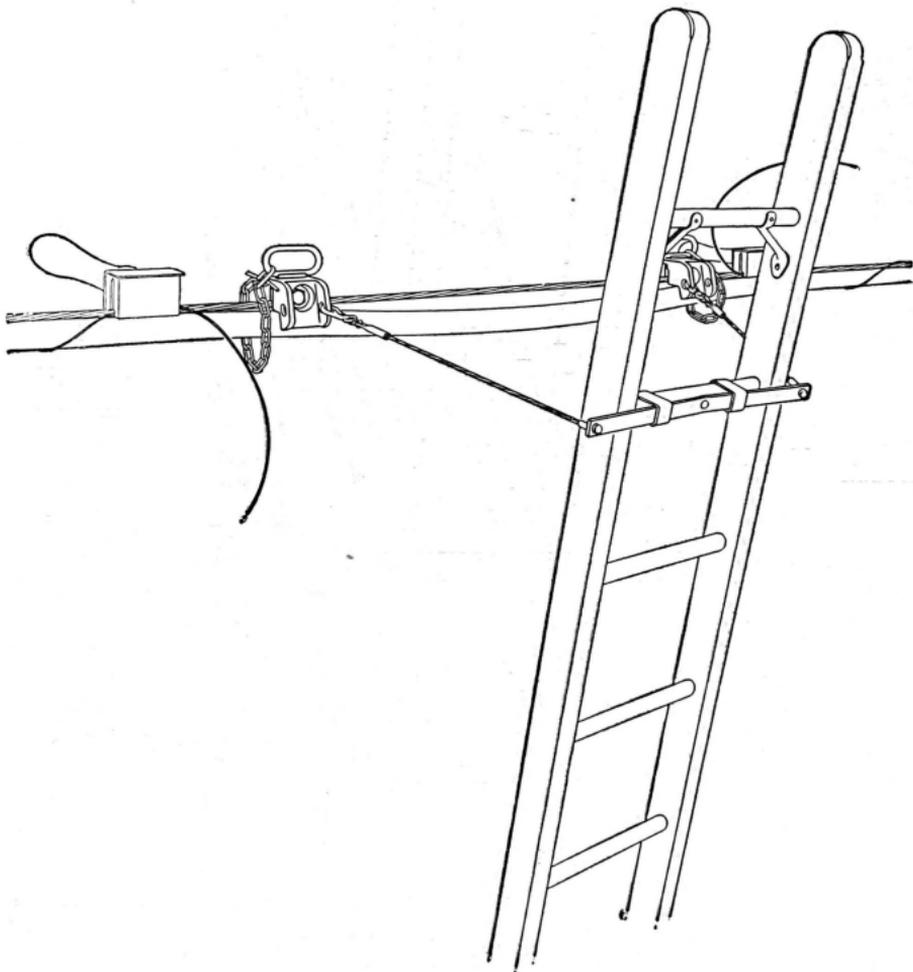
2.02 The clamp assemblies may also be used to attach an extension ladder to the strand when the ladder is placed adjacent to an aerial platform. The large loop in the top edge of the clamp provides means for lashing the ladder to the clamp with 1/2-inch manila rope. The rails are placed in the channels of the clamps to hold the ladder away from the cable.

3. USE

3.01 Place the ladder against the strand and secure the bar of the sling assembly to the second rung of the ladder by pushing the hooks toward the side rails until the hooks bind on the rung. Attach the clamp assemblies to the strand, as illustrated in the sketch. Place the safety chains around the strand and cable to prevent the ladder from turning in the event a clamp becomes accidentally disengaged.

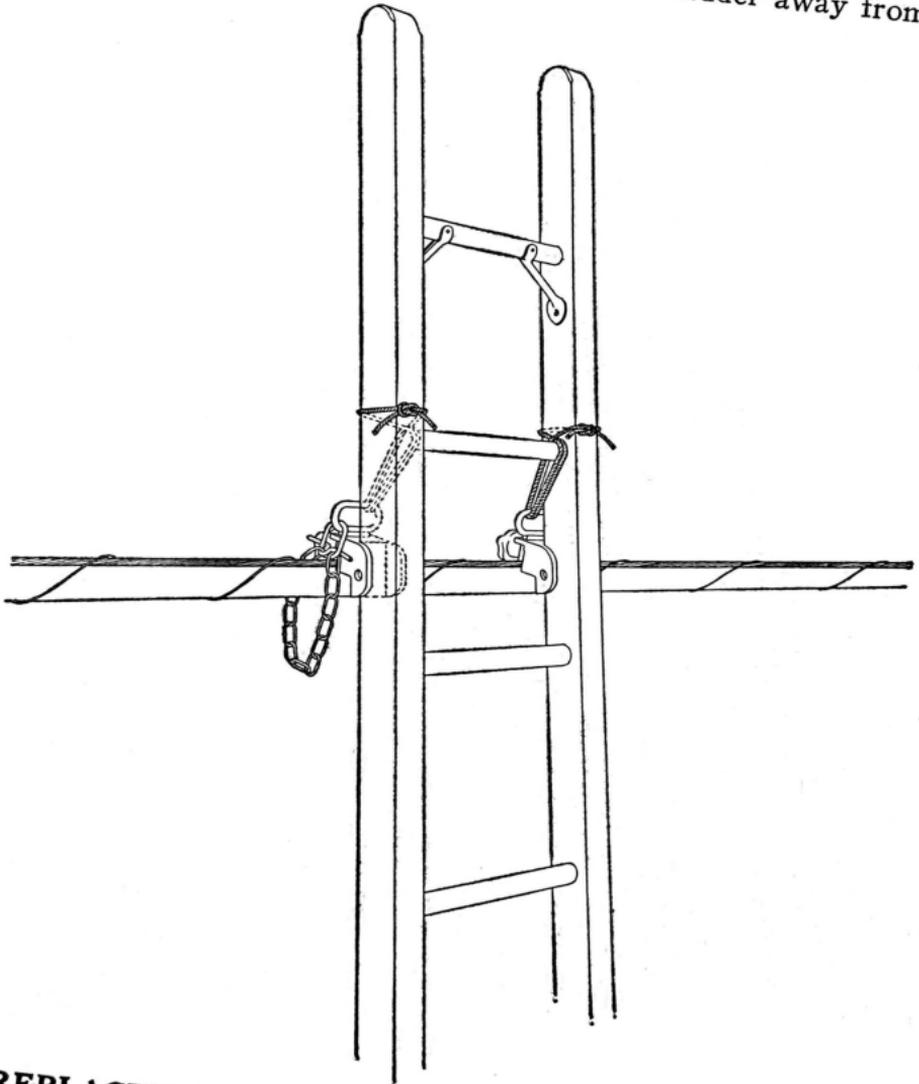


3.02 Pull the foot of the ladder backward until the top of the ladder falls below the strand. Then push the foot of the ladder forward until the ladder assumes the position shown below. Place the ladder so that the distance from the base of the ladder to a line dropped vertically from the sling assembly bar is about $1/4$ of the length of the ladder, measured from its base to the sling assembly bar.



3.03 The support should be removed by reversing the procedures outlined in Paragraphs 3.01 and 3.02.

3.04 The illustration below shows the method of using the clamp assemblies to attach an extension ladder to the strand with 1/2-inch manila rope. The side rails should be placed in the channels of the clamps to hold the ladder away from the cable.



4. REPLACEMENT PARTS

4.01 The replacement parts are:
Assembly, Clamp, for B Ladder Support
Assembly, Sling, for B Ladder Support

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