

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

Section G86.261.2
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AT&TCo Standard

C LADDER SUPPORT

1. GENERAL

1.01 This section describes the C Ladder Support (AT-7983) and covers the method of using it to suspend an extension ladder from strand in the installation and maintenance of aerial cable.

1.02 Use of the support permits the workman to sit (using a ladder platform) or stand between the ladder and the cable.

2. DESCRIPTION

2.01 The C Ladder Support is illustrated in Fig. 1. It consists of two screw clamp assemblies, grooved to fit the strand and attached to a "U" shaped member made of aluminum alloy pipe. The clamps are equipped with chains for encircling the cable and strand as an added safety measure. The "U" shaped member is for rigidly supporting the ladder away from the strand. A rope sling, attached at the center of the pipe, is used for attachment to a rung of the ladder as a safety measure while placing the ladder in the support. The "U" member is also equipped with a fitting to receive one side rail of the ladder for locating the ladder centrally in the support. The grooves in the clamps permit attaching the support to either lashed or ring supported cable without disturbing the cable.

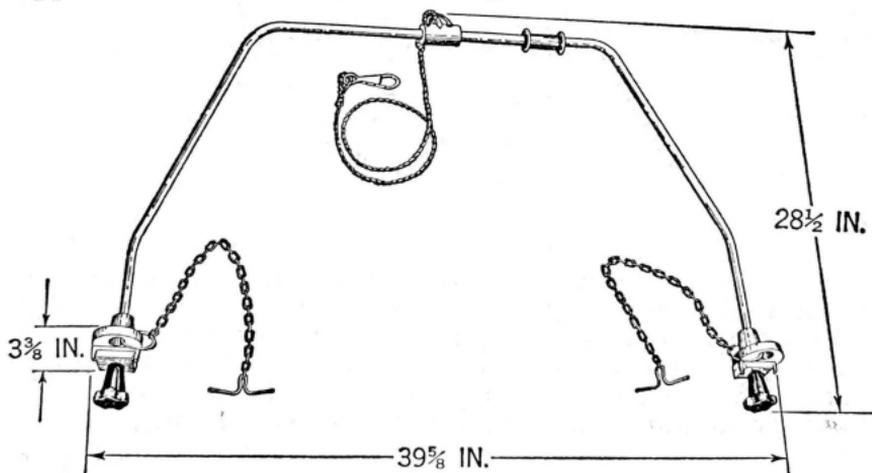


Fig. 1

3. USE

3.01 Place the ladder against the strand and attach the support to the strand, holding the support in the horizontal position indicated in Fig. 2. Make sure that the safety chains are placed around the cable and strand. After the clamps are tightened and the support is free it will assume a position intermediate between the horizontal and vertical.

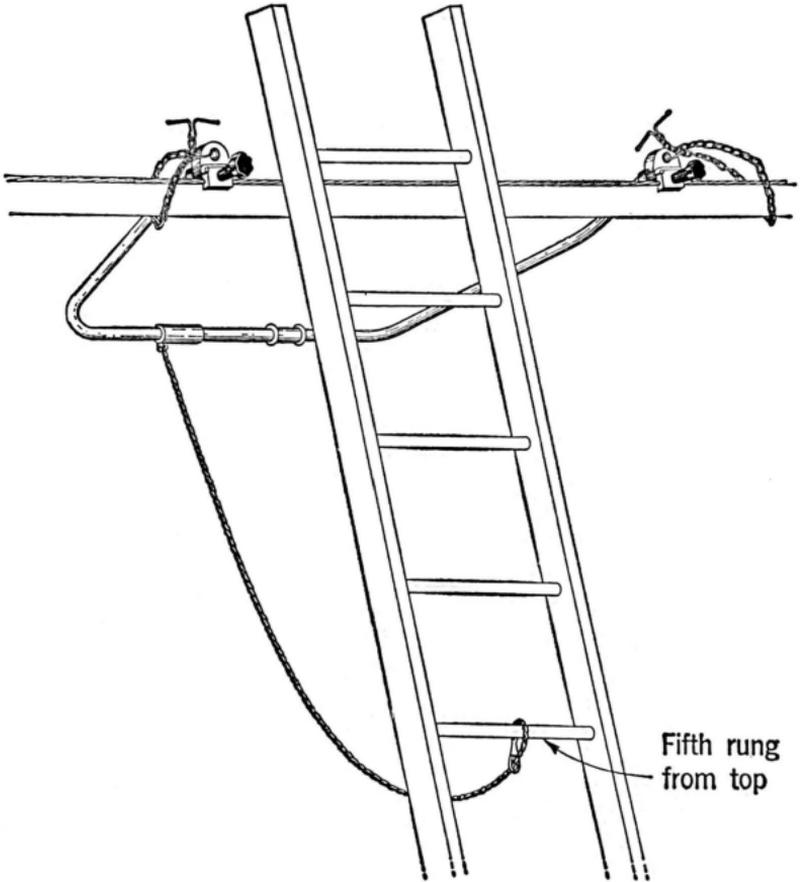


Fig. 2

3.02 Attach the rope to the fifth rung of the ladder as shown in Fig. 2; this will prevent the support from passing over the top of the ladder when the ladder is lowered into the support.

3.03 Descend the ladder and pull the foot of the ladder backward until the top of the ladder falls below the strand and drops into the support. Then push the ladder forward and adjust its length until the support is at the second rung from the top, as shown in Fig. 3. After making sure that the ladder is at a slope of about one-to-four, place the right side rail in the fitting on the support.

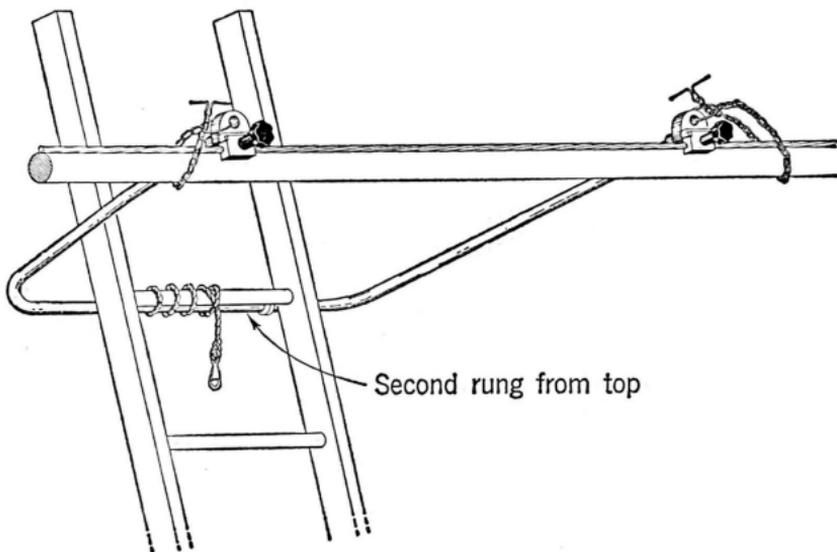


Fig. 3

3.04 Climb the ladder, detach the rope from the rung and use it to tie the ladder support to the second rung from the top as shown in Fig. 3.

3.05 The support should be removed by reversing the above procedure.