

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G32.140
Issue 1, June, 1931
Standard

DROP AND BLOCK WIRING
TREE ATTACHMENTS

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1. GENERAL

1.01 Tree attachments are a potential source of trouble, and, therefore, are not desirable, but are allowable under the following conditions, provided that the necessary permission has been secured:

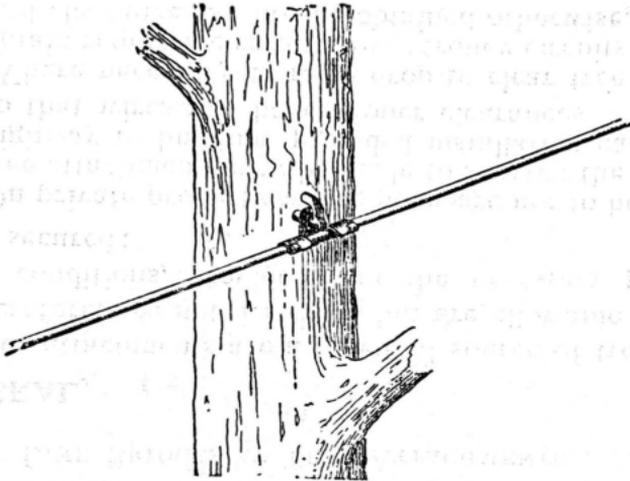
- (a) On private property where poles are not to be provided, tree attachments may be made to shorten the span from highway to building, provided installation can be made so that wires will have proper clearances.
- (b) Where necessary to raise drop to clear tree limb or to obtain required clearance over trolley circuits or ground, and clearance can not be obtained otherwise, make tree attachments.
- (c) For lines through forests.

1.02 Do not attach to tree limbs or trunks, less than 3 inches in diameter. If it is equally convenient, it is preferable to make attachments to the larger limbs, on account of the smaller movement of the larger limbs.

1.03 Where tree attachments are used, give the drop a foot or so more sag than specified to allow for the swaying of the tree.

2. ATTACHING TO LIMBS OR TRUNKS OF TREES 6 INCHES OR MORE IN DIAMETER

2.01 Use Drive Hook when attaching drop wire to limbs or trunks of trees of 6 inches or more in diameter. Attach drop wire with Drop Wire Clip. Not more than four Drop Wire Clips shall be attached to one Drive Hook on straight runs or at corners where the pull is against the limb. At a corner where the pull is away from the limb, not more than three clips may be attached to one Drive Hook.

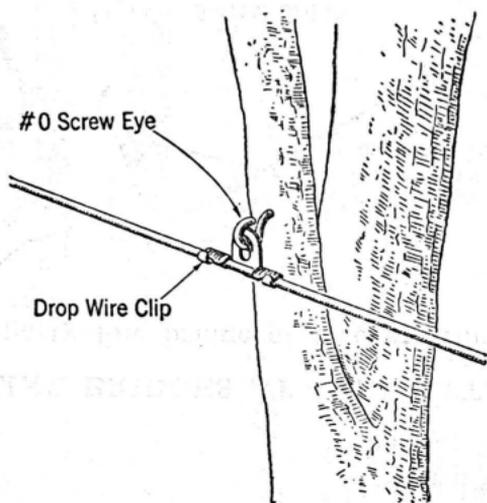


2.02 Where there is a pull on the tree of more than 4 inches, use two Drop Wire Clamps, dead ending both ways. Not more than three Drop Wire Clamps in one direction, nor a total of more than four Drop Wire Clamps shall be attached to one Drive Hook. When proper clearances from the tree can be obtained, attach to one Drive Hook, otherwise use two Drive Hooks.

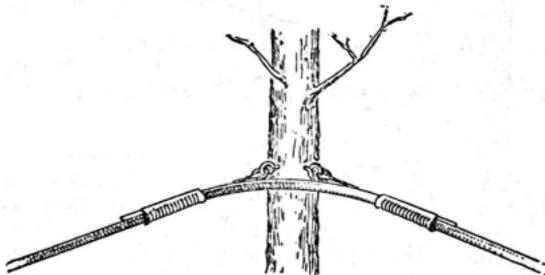


3. ATTACHING TO LIMBS OR TRUNKS OF TREES FROM 3 TO 6 INCHES IN DIAMETER.

3.01 Use #0 Screw Eye when attaching drop wire to limbs or trunks of trees of from three to six inches in diameter. Open eye of #0 Screw Eye 1/4 inch and attach drop wire with Drop Wire Clip. Not more than one clamp or clip shall be attached to one #0 Screw Eye.



3.02 Where there is a pull on the tree of more than 4 inches place two Drop Wire Clamps, dead ending both ways.

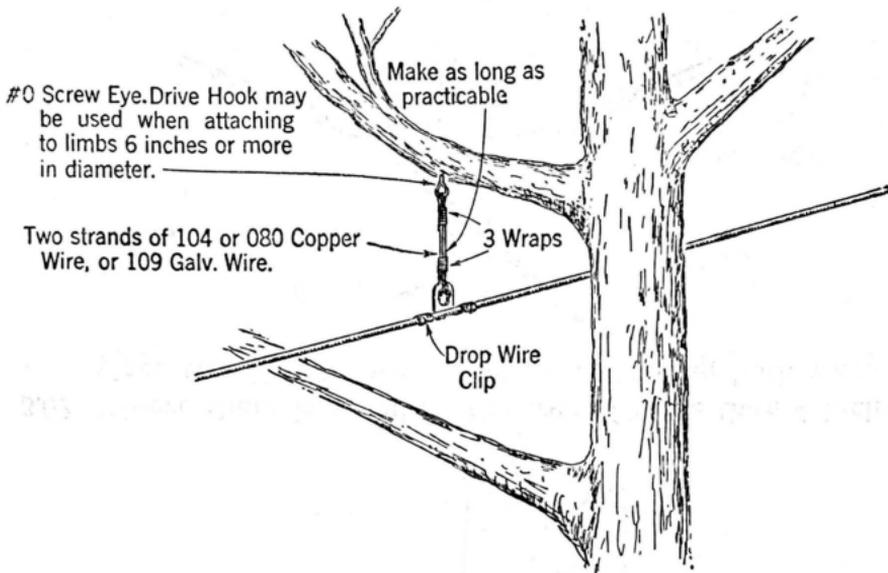


4. ATTACHING PULL-OFFS TO LIMBS OF TREES

4.01 When necessary to raise or lower drops to prevent abrasion, tree pull-offs shall be used.

TREE ATTACHMENTS

4.02 Tree pull-offs shall be installed as shown below:



5. PARTY LINE BRIDGES AT TREE ATTACHMENTS

5.01 Make party line bridge at tree attachments as shown below:

