

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G32.117.1
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AT&TCo Standard

DROP AND BLOCK WIRING

STRAND ATTACHMENTS

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1. GENERAL

1.01 This section replaces Issue 1. It covers the installation of the D Span Clamp on the cable suspension strand of both lashed and ring supported cable and also methods of running drop wire from span clamp to pole.

1.02 The D Span Clamp supersedes the C Span Clamp as a strand support for subscriber drops. The superseded span clamp will continue to be used in plant and may be provided for reuse on new installations. The C Span Clamp can be attached to the strand in the same manner as the D Span Clamp.

1.03 Arrows have been omitted in this issue because of extensive changes.

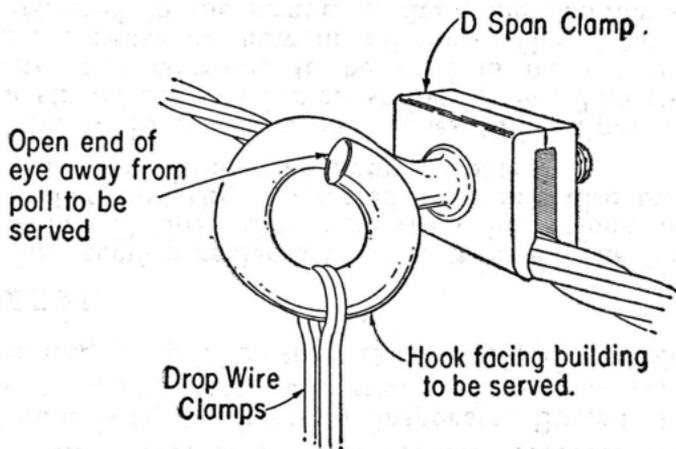
1.04 Span clamps should be used only when it is impracticable to string the subscriber's drop directly from a pole. Some of the conditions which will necessitate the use of span clamps are:

- (a) Right-of-way difficulty in crossing private property.
- (b) Avoidance of trees in placing subscriber drops.
- (c) Where guard arms would otherwise be necessary to provide pole climbing space.
- (d) Where a number of attachments to a masonry building can be avoided.
- (e) To avoid interference from clothes lines and other obstructions.

2. PLACING D SPAN CLAMP ON SUSPENSION STRAND OF LASHED AND RING SUPPORTED CABLE

2.01 Loosen the nut of the clamp until the jaws open sufficiently to admit the suspension strand. Place the clamp on the strand in a vertical position with the hook facing the subscriber's building to be served and so that the open eye of the clamp is away from the pole to which the drop is running. On lashed cables, position the span clamp between adjacent crossings of lashing wire over the top of the strand. Take up on the nut with a lineman's wrench until the clamp is firmly bolted on the strand.

D SPAN CLAMP ON STRAND (Cable omitted for clarity)



Note: Placing the D Span Clamp so that the open eye of the Clamp is away from the pole to which the drop is running eliminates the possibility of the drop wire clamp becoming detached from the Span Clamp.

2.02 Where the D Span Clamps are placed on 2200 pound strand supporting lashed or ring supported block cable, it will be necessary to place a serving of .045 lashing wire on the strand before installing the clamp. The wraps should be spaced about 1/4 inch apart and cover about a 3-inch length of strand. After the clamp is bolted on the wire wrapped strand, break off the excess length of wire serving falling outside the ends of the clamp. On lashed block cable, protect

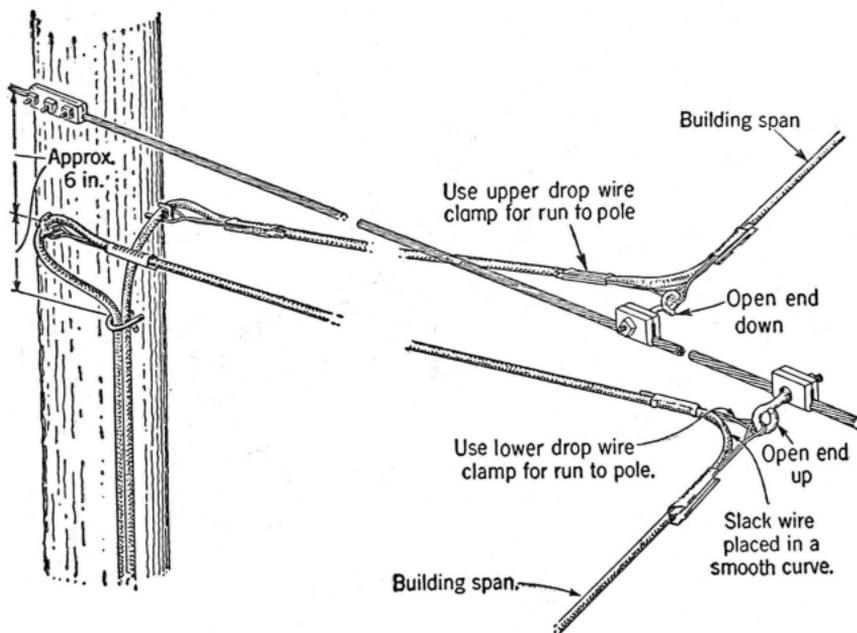
the cable sheath under the clamp with 3 wrappings of lashed cable support.

3. RUNNING DROP WIRE FROM D SPAN CLAMP TO POLE

- 3.01 Place not more than two (2) drop wires between the D Span Clamp and the pole or guard arm attachment.
- 3.02 Where the distance between D Span Clamp and cable suspension bolt is over three (3) feet, support the drop wire run as indicated below. In order to obtain maximum separation between the drop wire and cable the following procedure should be observed in attaching the pole line drop wire clamp. When the end of the span clamp is pointing up, use the lower drop wire clamp for the pole run and when the end of the span clamp is pointing down use the upper drop wire clamp for the pole run.

(a) On Spans to Drive Hooks on Pole

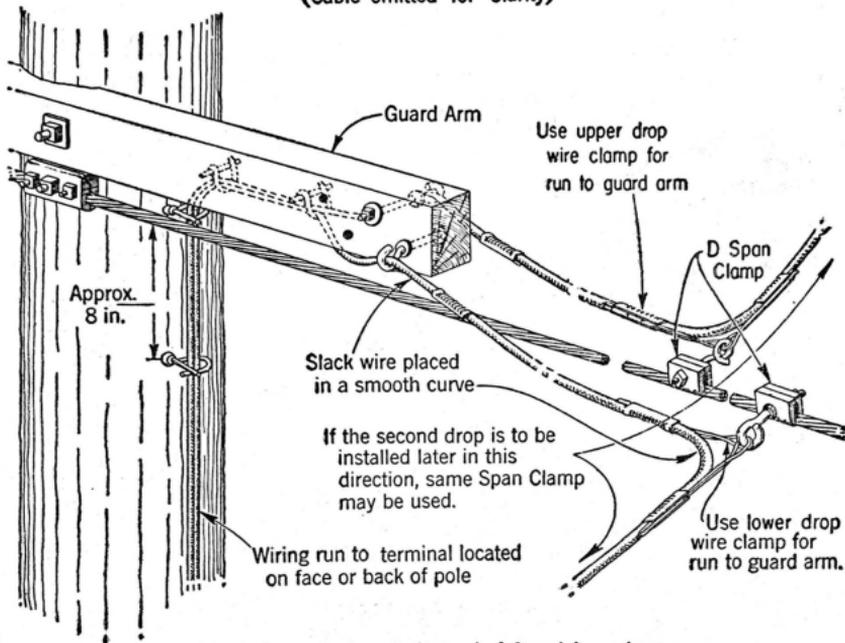
SPANS TO DRIVE HOOKS
(Cable omitted for clarity)



Note: Place open eye of Span Clamp away from pole

(b) On Spans to Guard Arm on Pole

SPANS TO GUARD ARM
(Cable omitted for Clarity)



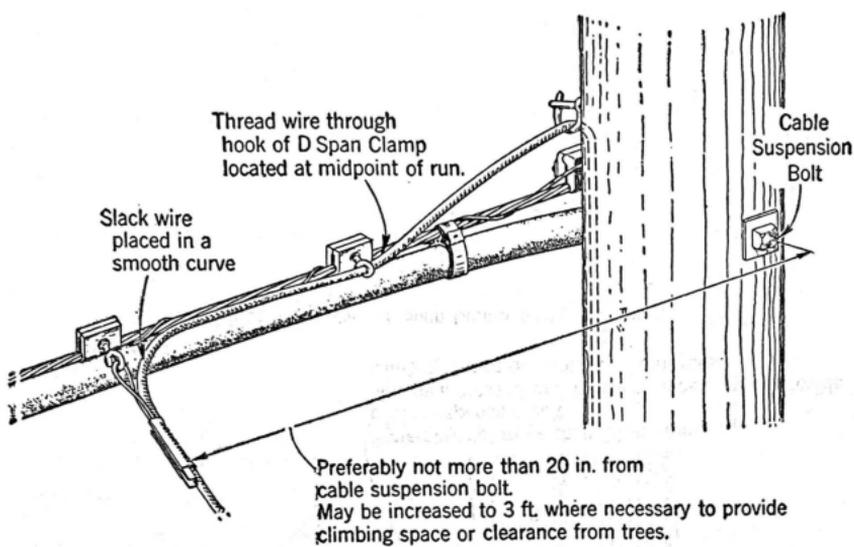
Attach drop wire to pole instead of Guard Arm where required ground clearance can be obtained

Note: Place open eye Span Clamp away from pole.

3.03 Where the distance between D Span Clamp and cable suspension bolt is three (3) feet or less, support the drop wire span as indicated below.

(a) With Lashed Cable

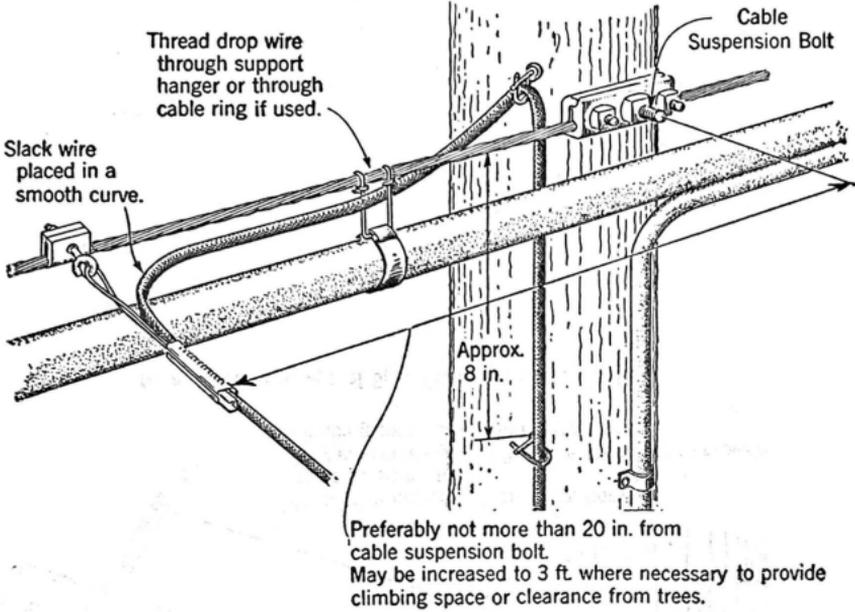
**D SPAN CLAMP WITHIN THREE FEET OF CABLE SUSPENSION BOLT
(Lashed Cable)**



Note: Place open eye of Span Clamp away from pole.

(b) With Ring Supported Cable

D SPAN CLAMP WITHIN THREE FEET OF CABLE SUSPENSION BOLT
(Ring Supported Cable)



Note: Place open eye of Span Clamp away from pole.