

## STEPPING POLES

### LOCATING LINE STEPS

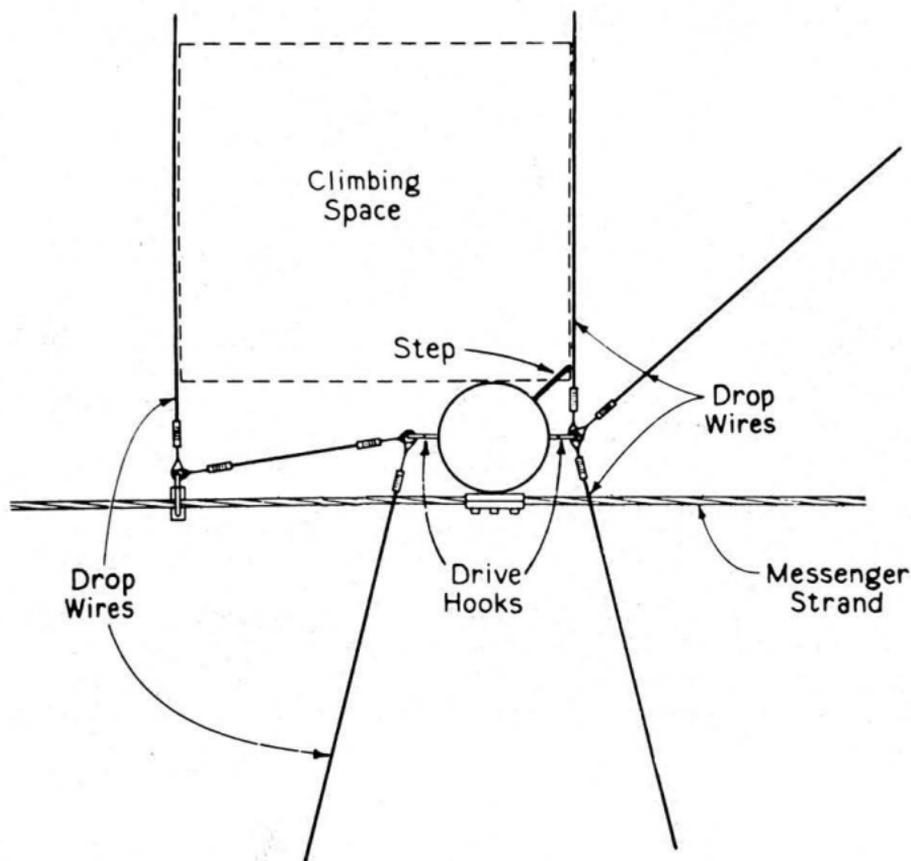
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#### 1. GENERAL

1.01 This section and Section G22. 130. 3 show the preferred locations of line steps and work steps respectively. However, steps shall be shifted from the locations shown in these sections under the following conditions:

- (a) To permit free use of the step in climbing past vertical conductor runs, cable terminals, guard arms, braces, etc.
- (b) To avoid obstructing driveways or entrances to garages and other buildings, and interfering with vehicular traffic and pedestrians.

(c) To clear the vertical plane in which drop wires may leave the pole as illustrated. The pole step at the level nearest the space reserved for drive hooks above or below the strand shall be moved in a horizontal plane toward the climbing space a distance of not more than  $1/8$  the circumference of the pole.



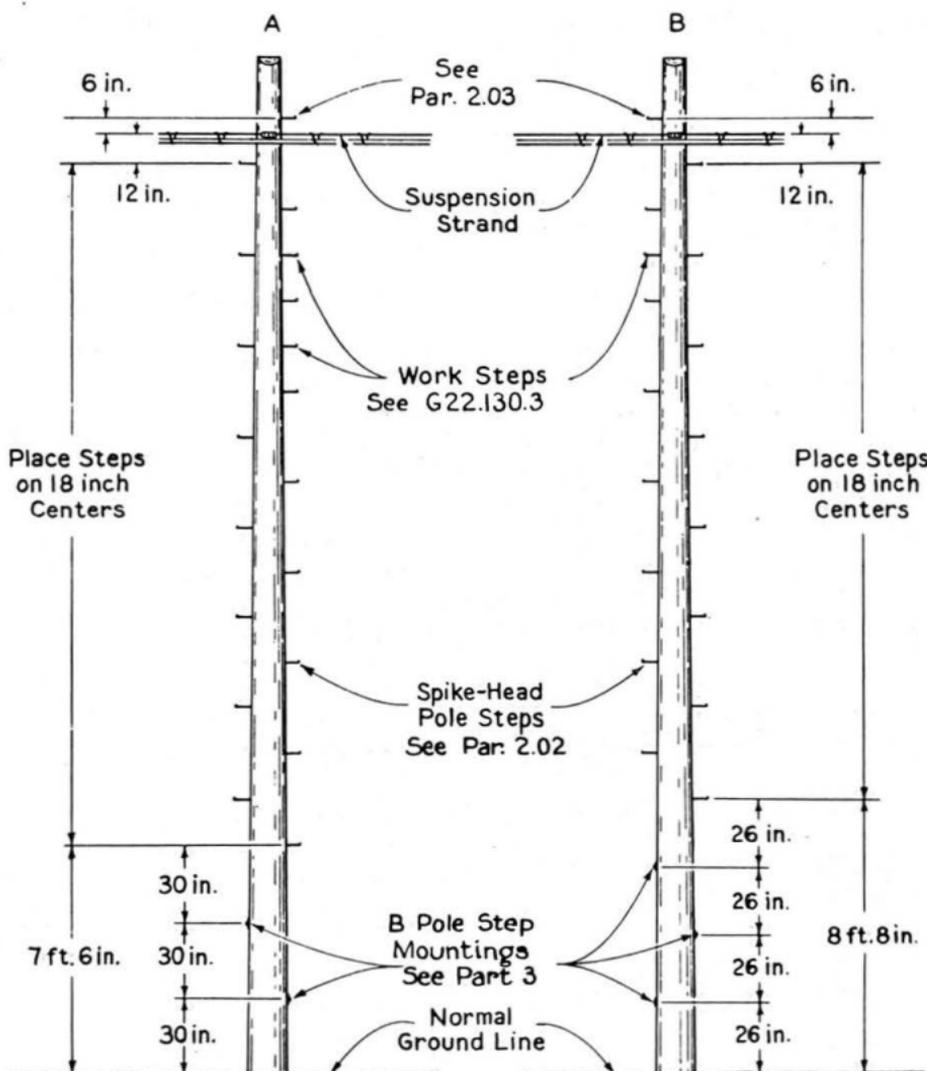
(d) To avoid knots, checks and holes in poles.

1.02 In general, a pole step should be shifted in the direction which will favor the use of the step for the purpose for which it was intended. For example, work steps should normally be shifted towards the terminal and steps provided for foreign workmen to climb past Telephone Company equipment should be shifted towards the quadrant reserved for foreign climbing space.

## 2. LOCATING SPIKE-HEAD POLE STEPS

2.01 Pole steps should ordinarily be located on alternate sides of the pole in line with the lead. Poles A and B in the following illustration show two typical arrangements.

Note: Steps shall not be bent to secure alignment.



2.02 Observe the following general rules in locating Spike-Head Pole Steps:

(a) Locate the first spike-head pole step 12 inches below the cable suspension strand or the crossarm through bolt.

(1) When a terminal is on the side of the pole, place this first step on the right side of the pole when facing it from the cable side.

(2) When a terminal is on the face, back, or on strand adjacent to the pole, place this first step on the side of the pole opposite to that occupied by the terminal.

(b) Locate spike-head pole steps 18 inches apart on alternate sides of the pole down to a point not less than 7 ft. 6 in. from the ground line.

Note: No spike head pole step shall be located less than 7 ft. 6 in. from the ground line. Where changes in grade have reduced this clearance, immediate action shall be taken to restore the 7 ft. 6 in. measurement.

(c) When the spike-head pole steps have been placed by other owners of the pole and the lowest spike-head pole step has been placed 9 ft. or more from the ground line, place additional spike-head pole steps 18 inches apart on alternate sides of the pole down to a point not less than 7 ft. 6 in. from the ground line unless conditions as outlined in Paragraphs 1.03 or 2.03 of Section G22.130.1 exist;

2.03 Pole steps shall not be placed above the suspension strand with the following exceptions. A spike-head pole step shall be placed 6 inches above the suspension strand on poles which are used jointly with electric light or power utilities and which carry the following plant or equipment;

(a) Vertical risers of supply or telephone conductors attached to pole.

(b) Vertical runs of power conductors into or through the telephone conductor attachment level.

(c) Pole mounted terminals.

(d) Pole mounted gas pressure contactors.

(e) Pole mounted loading coil cases,

### 3. LOCATING MOUNTINGS FOR DETACHABLE POLE STEPS

3.01 The following general rules should be observed in locating the mountings for the detachable B Pole Steps.

(a) If the lowest spike-head pole step has been placed 7 ft. 6 in. from the ground line, place two B Pole Step Mountings with plates on alternate sides of the pole 30 inches apart.

(b) If the lowest spike head pole step has been placed more than 7 ft. 6 in. but less than 9 ft. from the ground line, place three B Pole Step Mountings with plates on alternate sides of the pole and equally spaced between the lowest spike-head pole step and the ground line.

(c) If there are any spike-head pole steps below the 7 ft. 6 in. level, remove these steps and place mounting plates as indicated above.

(d) No more than three detachable pole steps shall be placed on any one pole.

3.02 Where the pole is located on a slope, the B Pole Step Mountings should be spaced so that the distance from the lowest mounting to the ground line on the same side of the pole does not exceed 30 inches.

3.03 The B Pole Step Mountings may be omitted on poles which have been stepped because they support vertical runs or risers only.