

GUYING

ROCK GUY ANCHORS

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1. USE OF ROCK GUY ANCHORS

1.01 Where it is impracticable, on account of rock formations, to dig a hole for the usual type of anchor, rock guy anchors can be used to advantage.

2. TYPES OF ROCK GUY ANCHORS

2.01 Use B Rock Guy Anchor with all sizes of guys except 25,000-pound guys where rock extends to surface and with 6,000- and 10,000-pound guys where solid rock is below the surface of the earth.

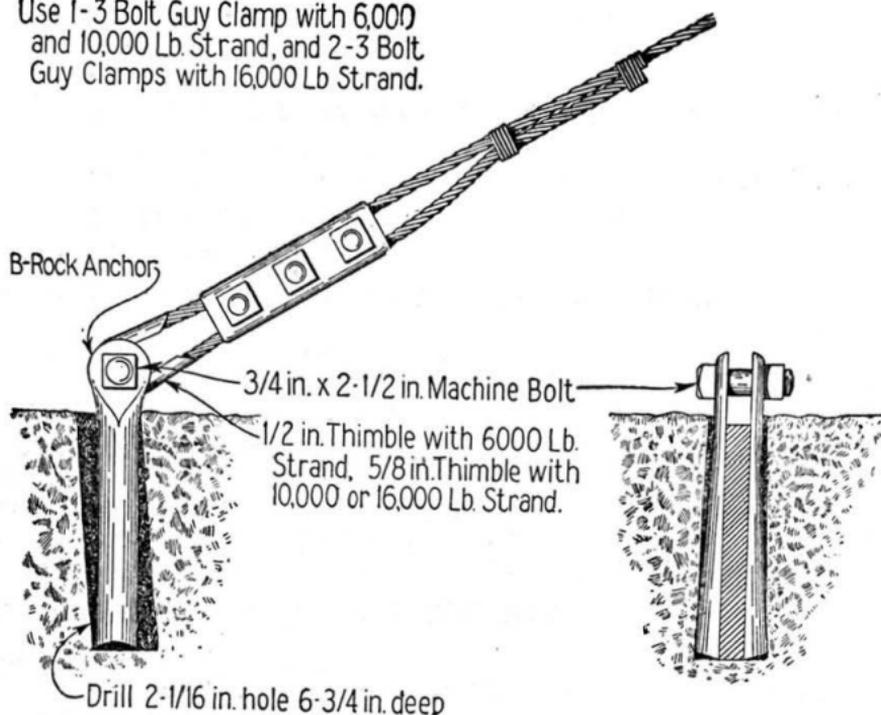
2.02 Use D Rock Guy Anchor with all sizes of guys except 25,000-pound guys where the rock might split in placing the B type anchor and where a greater depth of setting than can be obtained with the B type is desirable.

3. INSTALLATION OF ROCK GUY ANCHORS

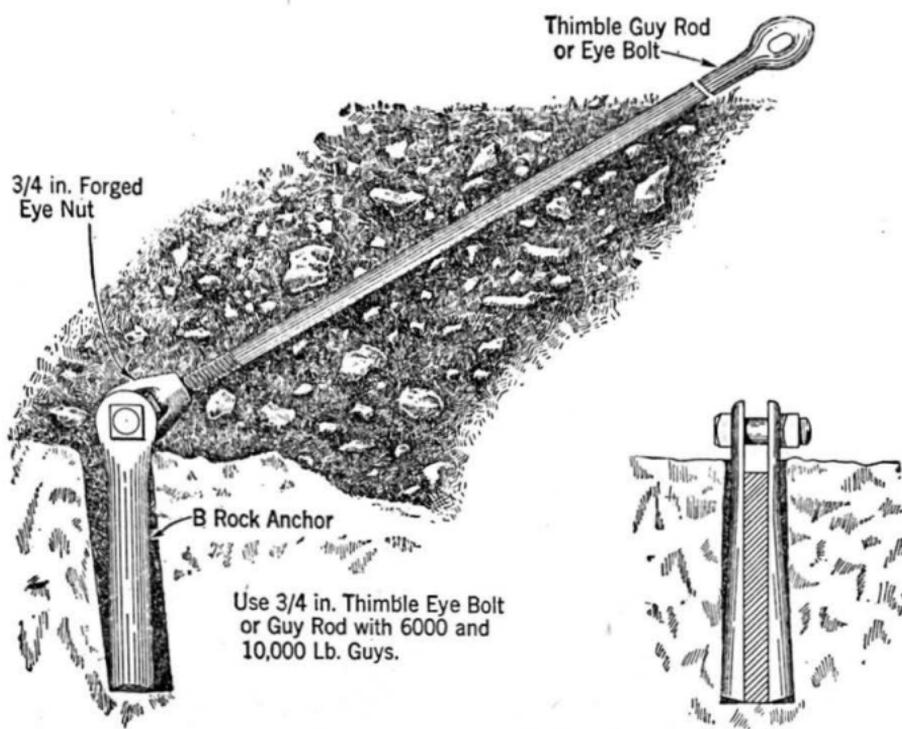
3.01 Install the B Rock Guy Anchor as follows:

- (1) Drill a 2-1/16-inch hole, 6-3/4 in. deep.
- (2) Place the two sides of the anchor in the hole and drive center wedge into place.
- (3) Attach guy strand to the 3/4-inch bolt as shown below.

Use 1-3 Bolt Guy Clamp with 6,000 and 10,000 Lb. Strand, and 2-3 Bolt Guy Clamps with 16,000 Lb Strand.



3.02 Where the solid rock is below the surface of the earth, anchor 6,000 or 10,000-pound guys as shown below. Use a thimble eye bolt or a guy rod depending on the length of bolt required.



Note: Where this method is employed it may be necessary to have the eye of the rod project more than 6 inches above the ground.

3.03 Where guying in excess of 10,000 pounds is required, under the conditions shown above, place a sufficient number of 10,000-pound guys with a corresponding number of anchors to meet the guying requirements.

3.04 Install the D Rock Guy Anchor as follows:

- (1) Drill a 1-1/16-inch hole 11-1/2 inches deep approximately at right angles to the direction of the guy. It is essential that the hole be of the proper diameter and drilled to the proper depth so that full expansion will be obtained.
- (2) Place two 1-1/16-inch x 2-1/2-inch round washers under the head of the bolt and a 1-1/4-inch sail thimble under the washers.
- (3) Place the wedge in the split end of the bolt and drive the bolt into the hole.
- (4) Attach guy strand as shown below.

