

PATENT GUY ANCHORS

PLATE ANCHORS

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1. DESCRIPTION

1.01 These anchors, shown in Fig. 1, have a solid plate and come equipped with a special rod.

1.02 The rod is provided with a driving point and is driven into the ground in the direction of the guy and so as to engage in a keyed hole in the anchor.

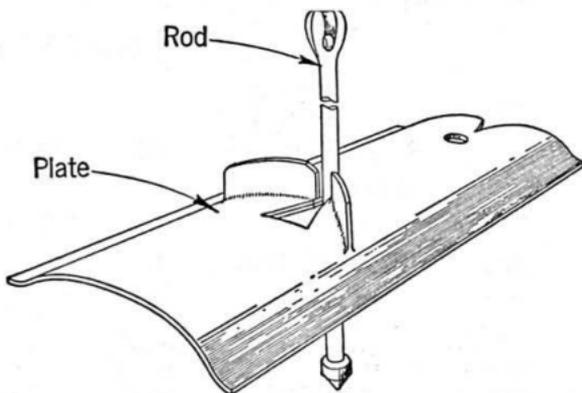


Fig. 1

2. SIZES AND USE

2.01 The following table shows the various types and sizes of plate guy anchors and details relating to their use and installation.

Type	Dimensions of Plate (Inches)	Diameter of Hole (Inches)	Max Size of Guy or Guys (Pounds)	Rod		
				Diameter (Inches)	Length (Feet)	Eye
617	6 x 17	6	2.2M or 6M	1/2	6	Single
622	6 x 22	6	10M or 2-6M	5/8	7	Double
827	8 x 27	8	16M or 1-6M & 1-10M	3/4	8	Double
1040S	10 x 40	10	2-10M, 25M or 1-10M & 1-16M	1	8	Double

3. INSTALLATION

3.01 An installing bar is required for placing the plate in the hole and engaging the plate on the point of the rod. It may also be used for retrieving the plate from the hole if that should be necessary.

3.02 Use a cast maul with wood insert for driving the rod in order to avoid damaging the rod.

3.03 As shown in Fig. 2, locate the point "R" at which to drive the guy rod. Measure from this point the distance "S", as shown in the table in Fig. 2, to locate point "A" at which the hole for the plate is to be bored. Point "A" should be in line with the pole and point "R".

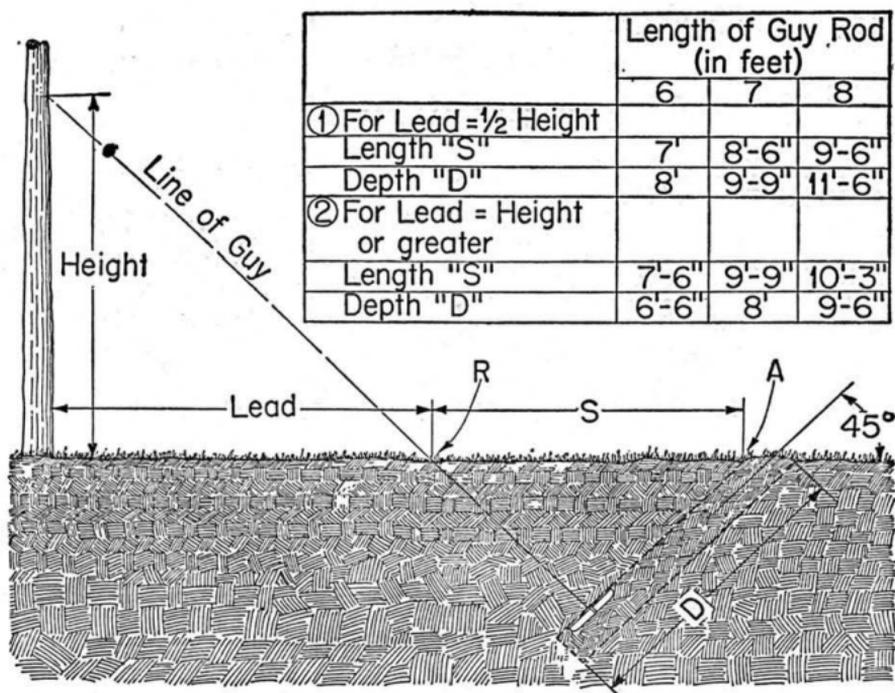


Fig. 2

- 3.04 Bore hole at point "A" perpendicular to line of guy (about 45° with the horizontal).
- 3.05 Hold rod in line with the point of attachment of the guy on the pole and the center of the hole. Drive rod until the point projects into the side of the hole. If point of rod is off center shift projecting end of rod with a digging bar so as to bring the point to the center of the hole, or remove the rod and drive it again.
- 3.06 As shown in Fig. 3,
- Place plate on the installing bar and lower plate to bottom of hole. The bored hole should be deep enough to let socket in plate stop at a point slightly lower than point of rod.
 - Lift plate and engage the plate socket on the point of the rod. Force plate down against rod and detach installing bar.
- 3.07 Pull guy rod up by placing tension in the guy strand until plate bears firmly against the wall of the hole.

3.08 Backfill, tamping the earth firmly throughout the depth of the hole.

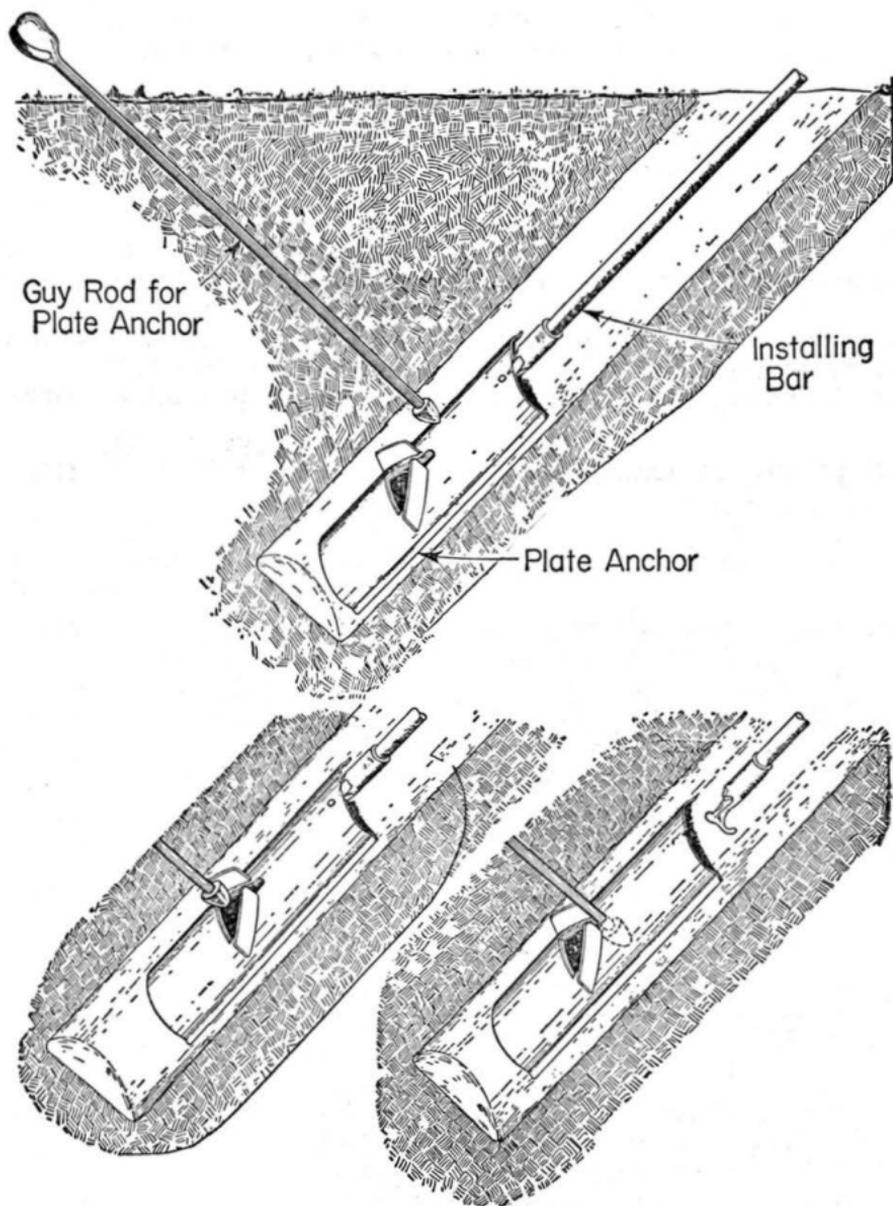


Fig. 3