





# UNITED STATES PATENT OFFICE.

EDWARD E. WHITEHEAD, OF NEW PARIS, INDIANA.

## ANCHOR FOR GUY-ROPES, &c.

SPECIFICATION forming part of Letters Patent No. 735,187, dated August 4, 1903.

Application filed February 26, 1903. Serial No. 145,241. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD E. WHITEHEAD, a citizen of the United States, residing at New Paris, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Anchors for Guy-Ropes, &c., of which the following is a specification.

My invention relates to anchor-plates attached to guy-ropes, cables, wires, &c., and has for its object to provide a device by means of which it will be unnecessary to dig a large hole for the reception of an anchor post or plate, which when the hole is refilled is but insecurely held and the stability of the structure supported threatened. By the use of my invention a small hole is all that is necessary, and when the anchor-plate is in an operative position it bears against the solid earth and gives a more stable support.

The advantages of my invention will more fully appear hereinafter and by reference to the accompanying drawings, in which—

Figure 1 is a view of a telegraph-pole, guy-wires, &c., showing the application of my invention; Fig. 2, a top plan view of the anchor-plate, and Fig. 3 a view in central longitudinal section of the plate.

Referring to the drawings, in which similar reference characters indicate corresponding parts throughout the several views, A represents a telegraph or other pole erected in the ground B, and C guy-wires for bracing the pole. The anchor for the guy-wires C is the subject of my invention and consists of plate D, having the thimble E on its upper side, with a central bore F, and the slot G extending from the base of said thimble up the side and partly across the top. The edge of plate D is formed with a ridge H and has its ends pointed and is bent up, as shown at I, to give it a dish shape and insure a better hold on the earth. J represents a rod mounted in thimble E and held therein by means of the head K, while L represents a loop or eye on the end of the rod to receive the ends of guy-wires C.

In practical operation a small hole M is dug in the earth, much narrower than the length of the plate D, and the plate and rod dropped into the hole. A narrow hole N is then cut into the earth from the hole M toward the

pole A and the rod J settled into said hole N. The guy-wires C are then secured in eye L. As the wires C are tightened the plate D is turned, so that its ends I dig into the sides of hole M and a secure hold is made for the rod J. The holes M and N may then be filled, if desired, though the operation of my invention would be just as effectual without doing so. The ridge H assists in the operation of the invention by giving the plate a slightly scoop shape.

It is obvious that the device may be dropped into the ditch with the rod J on the side of the plate D toward the structure to be anchored instead of in the position shown in dotted lines, Fig. 1, so that the plate would rest flat against the earth on the side of hole M toward the post A, without departing from the spirit of my invention, which is to provide an anchor-plate in which the solid earth is used for the bearing for the anchor.

Having thus described my invention, what I claim is—

1. In a guy-rope anchor, a plate having a ridge surrounding its edge, and means to secure the guy-ropes to said plate, substantially as shown and described.

2. In a guy-rope anchor, a plate having a ridge on its edge and its ends pointed and bent toward the pull, and means to secure the guy-ropes to said plate, substantially as shown and described.

3. In a guy-rope anchor, a plate, a thimble thereon having a central bore and a slot therein, and a rod mounted on said thimble and connected with the guy-ropes, substantially as shown and described.

4. In a guy-rope anchor, a plate having a ridge on its edge, a thimble on said plate having a central bore, and a rod mounted in said thimble and connected with the guy-ropes, substantially as shown and described.

5. In a guy-rope anchor, a plate having a ridge on its edge, a thimble on said plate having a central bore and a slot, and a rod mounted in said thimble and connected with the guy-ropes, substantially as shown and described.

6. In a guy-rope anchor, a plate having its ends bent toward the pull, a thimble on said plate having a central bore and a slot, and a rod mounted in said thimble and connected

with the guy-rope, substantially as shown and described.

5 7. In a guy-rope anchor, a plate having its ends pointed and bent toward the pull, a thimble on said plate having a central bore and a slot, and a rod mounted in said thimble and connected with the guy-rope, substantially as shown and described.

10 8. In a guy-rope anchor, a plate having a ridge on its edge and having its ends pointed and bent toward the pull, a thimble on said plate having a central bore and a slot, a rod

mounted in said thimble, a bead on the end of said rod contained in the thimble to retain it therein, and a loop on the free end of the rod to receive the guy-ropes, substantially as shown and described. 5

In testimony whereof I hereto affix my signature in the presence of two witnesses.

EDWARD E. WHITEHEAD.

Witnesses:

IRA J. MILLER,

EDGAR L. ZEIGLER.