Dec. 4, 1934. M. C. POST 1,982,963

ANCHOR

Filed Sept. 18, 1933

Fig. 1.

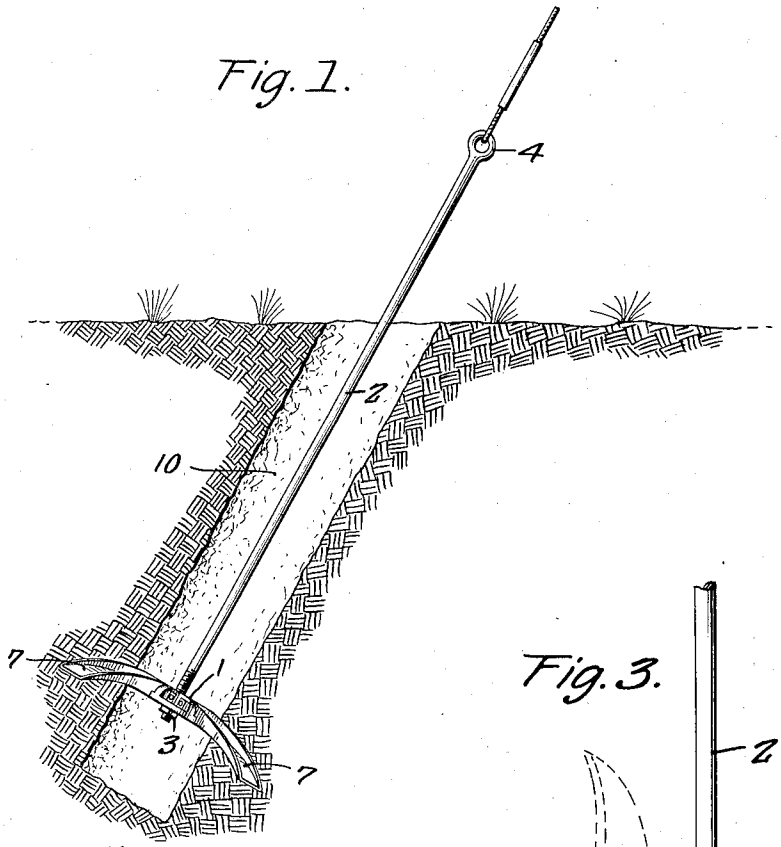


Fig. 3.

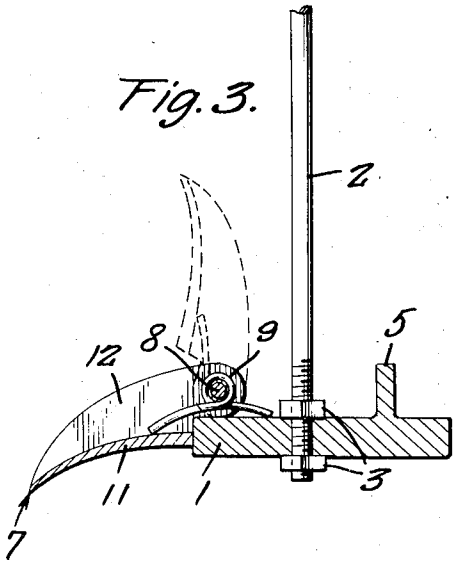
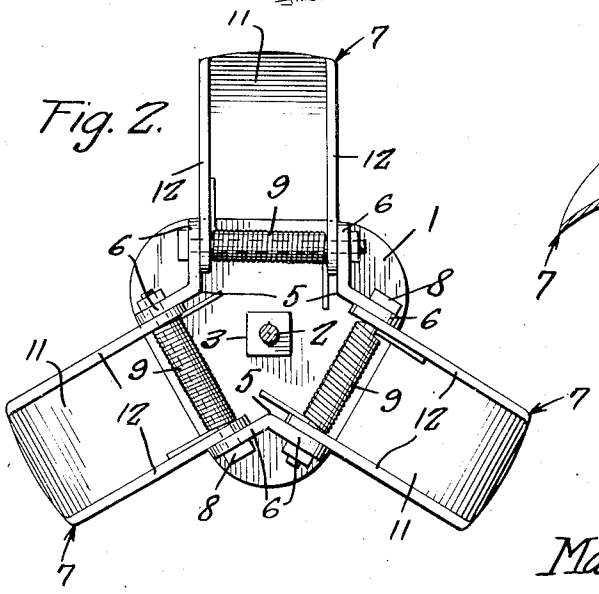


Fig. 2.



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WITNESS

Patented Dec. 4, 1934

1,982,963

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1,982,963

ANCHOR

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1 Claim. (Cl. 189—92)

This invention relates to anchors for guy or bracing elements of poles and the like and has for the primary object, the provision of a device of the above stated character which may be folded for easy and quick insertion in a hole formed in the ground and when subjected to a reverse movement or a pull thereon will automatically bite into the ground and become firmly anchored therein against accidental displacement.

With these and other objects in view this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is an elevational view illustrating an anchor located in a hole formed in the ground and biting into the walls of the hole and constructed in accordance with my invention.

Figure 2 is a plan view partly in section illustrating the anchor.

Figure 3 is a fragmentary sectional view illustrating in dotted lines a folded position of one of the prongs.

Referring in detail to the drawing the numeral 1 indicates a plate of substantially triangular shape having a centrally arranged opening to receive a rod or stem 2, the latter being secured to the plate by nuts 3. The free end of the rod or stem is provided with an eye 4 to which a guy or bracing cable or element may be connected.

Brackets 5 are formed integrally with one face of the plate 1 adjacent the corners of the latter and each bracket includes angularly related portions 6 between which are movably mounted claws or prongs 7. The claws or prongs 7 are hinged to the brackets 5 by bolts 8 on which coil springs 9 are mounted. One end of each coil spring bears against the plate 1, while the other end bears against the respective prong or claw. The prongs or claws may be swung towards the stem 2, as shown in dotted lines in Figure 3 so that the plate and stem may be inserted in a hole 10 formed in the ground and during the passing of the plate downwardly in the hole, the prongs 7 are urged against the walls of the opening so that a reverse pull on the stem will cause said prongs to bite into the ground and thereby firmly anchor the device.

Each prong consists of a wall 11 tapered towards one end and formed integrally with side walls 12 which project beyond the non-tapered end of the wall 11 and are apertured to receive the bolts 8. The side walls 12 taper towards the tapered end of the plate 11.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of my invention as claimed.

Having described the invention, I claim:

An anchor comprising a flat plate, a stem secured to the plate centrally of the latter, brackets secured to one face of the plate and including angularly related portions, bolts connecting said portions of the brackets and located inwardly of the edges of the plate, prongs each including a wall tapered towards one end and side walls integral therewith and extending beyond the non-tapered end and apertured to receive the bolt to permit said non-tapered end to abut the edge of the plate for limiting the movement of the prongs in one direction, and coil springs mounted on the bolts and each spring having one end bearing against its respective prong and its other end bearing against the plate.

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