

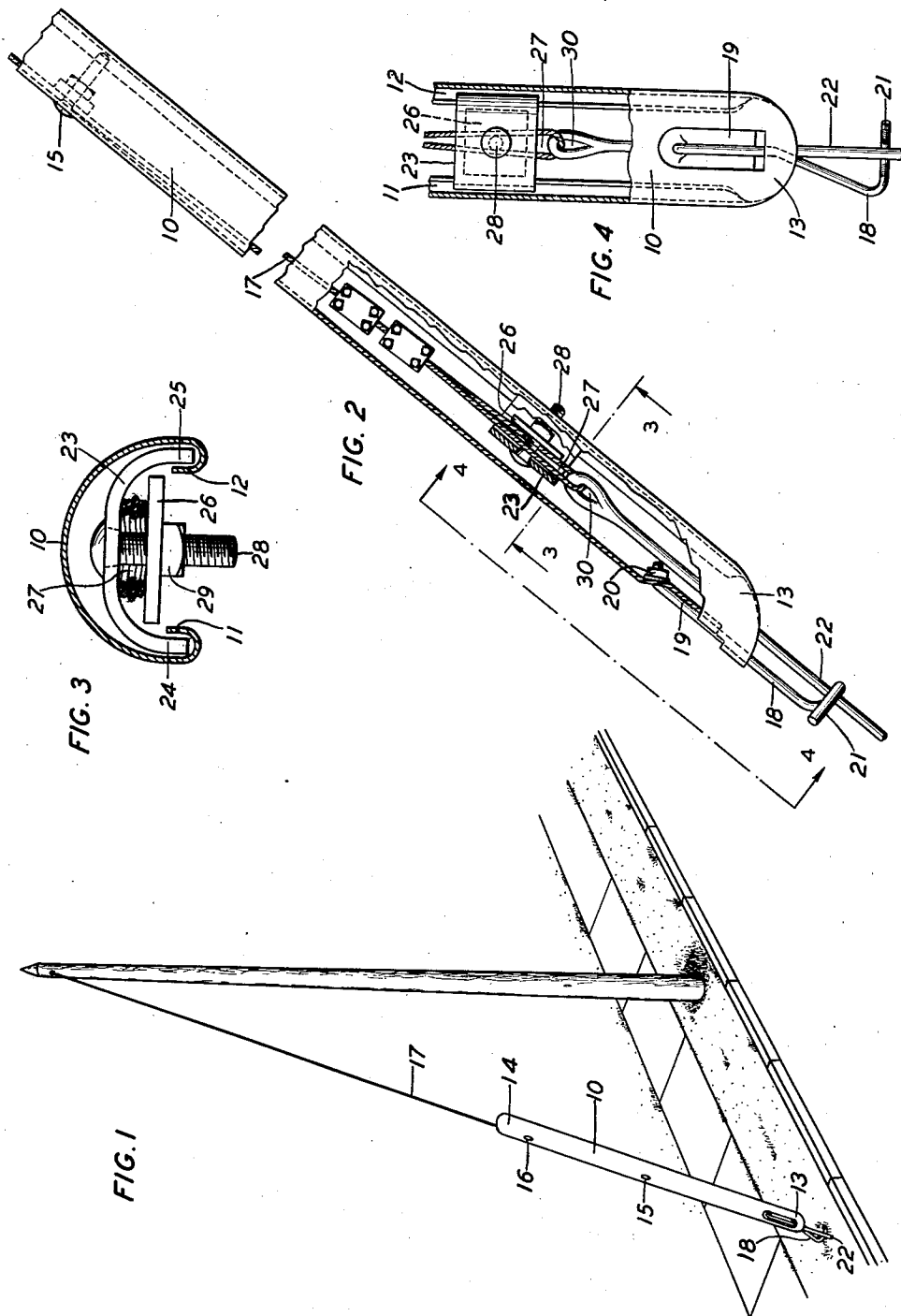
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GUY SHIELD

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GUY SHIELD

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6 Claims. (Cl. 189—31.5)

This invention relates to a shield or guard for guy wires of telephone poles and the like and more particularly to a shield for guy wires which have a small diameter.

The object of this invention is to provide a guy shield which will not only protect persons or animals from injury, but one which will maintain such protection after it has been deformed.

A further object of this invention is the provision of a securing means for the guy shield which prevents the guy shield from being rotated around the guy wire or guy rod, but allows longitudinal movement of said guard for adjustment purposes.

In accordance with my invention an elongated trough-shaped guard or member, having a substantially semi-circular cross-section, is provided along its edges with inwardly turned portions. These inwardly turned portions or grooves provide a seating means for a clamping device which is arranged to be slidably mounted in said grooves and secured to the guy anchor rod or the guy wire by means of a bolt which passes through said clamping device by passing through either the eye of the guy rod, or the cable loop which is located between the eye of the guy rod and the cable clamp.

This construction of a guy shield or guard permits it to be slidably mounted on the guy anchor rod and guy anchor wire and prevents it from being rotated around said guy wire. A guy shield made in accordance with this invention does not have the sharp edges which are usually found on guards of this type.

Referring now to the drawing:

Fig. 1 is a perspective view of a pole with a guy wire attached thereto, one end of the guy wire being secured to the pole and the other end being secured to a guy anchor rod, the guy wire being provided with a guard constructed in accordance with my invention, which not only covers the guy wire, but extends down over the guy anchor rod.

Fig. 2 is a side view partly in section, of the lower part of the guard, which illustrates the method of securing the guard to the guy wire and guy anchor rod.

Fig. 3 is a cross-section taken at 3—3 of Fig. 2.

Fig. 4 is a front plan view with part of the guard broken away to show the clamping means.

The guard hereinafter described is preferably made of metal and comprises a member 10, having a substantially arc-shaped cross-section, the edges of which have been turned under, on a

small radius, to form the longitudinally extending grooves 11 and 12 as shown in Fig. 3.

The ends 13 and 14 are slightly rounded to eliminate the presence of sharp corners or edges. Spaced along the guard 10 are a plurality of bolts 15 and 16, which are arranged to secure the guard 10 to the guy wire 17.

The bolts 15 and 16 are arranged to clamp the guy wire 17 securely to the underside of the guard 10 in a manner as shown in the applicant's Patent No. 1,811,369, dated June 23, 1931.

Located at the end 13 of the guard 10 is a hook-shaped member 18, this member projecting some distance beyond the end of the guard 10 is secured thereto by virtue of its being located in the depressed portion 19 of the guard and fastened therein by means of the nut 20 which engages the threaded end of the member 18 which projects through the depressed wall of the guard 10.

The hooked member 18 is provided with an upturned portion 21 which is arranged to fit around the guy anchor rod 22 as shown in Figs. 1, 2 and 4.

Mounted in the grooves 11 and 12 of the member 10 is the semi-circular clamping member 23. The edges 24 and 25 of this member are arranged to fit into the grooves 11 and 12 in such a manner that they are free to slide therein.

Located on the underside of the member 23 is a washer 26 between which the loop portion 27 of the guy wire 17 is arranged to be secured by means of the bolt 28 and the nut 29, which when tightened down as shown in Fig. 2 securely holds the guard 10 against rotation.

In some instances it may be advisable to pass the bolt 28 through the eye portion 30 of the guy rod 22 instead of the loop 27.

To install a guard constructed in accordance with my invention the first step is to fit the projecting member 18 around the anchor rod 22. This is accomplished by holding the upper end 14 of the guard 10 away or out from the guy wire 17, and this allows the hooked portion 21 of the member 18 to readily adjust itself around the guy anchor rod 22. Due to the particular configuration of the member 18, the guard 10 will not be parallel with guy wire 17, but will, at the end 14, be some distance away.

The next step is to adjust the slidable member 23 in the grooves 11 and 12 so that the bolt 28 may be inserted through the looped portion 27 of the guy wire 17. The washer 26 is then placed on the bolt 28 and secured in place against the underside of the loop portion 27 by means of the

nut 29. The guard 10 is then moved downward the required distance, it being free to slide, inasmuch as the clamping member 23 serves only to prevent the guard from rotating and does not in any way hinder the longitudinal movement of the guard. After the guard is in its final position, the end 14 is brought up against and into contact with the guy wire 17, and it is then clamped to the guy wire by means of the bolts 15 and 16 which secure it against longitudinal movement. It is readily apparent that a guard constructed in accordance with applicant's invention provides a guard which not only cannot rotate, but one which is not easy to displace from the guy wire, and one which upon being deformed, will not present any sharp edges which are liable to injure a person or animal coming in contact therewith.

Furthermore, applicant's guard provides a maximum amount of protection with a minimum amount of labor and material.

It is understood that various modifications of the invention may be resorted to without departing from the spirit of the invention as set forth in the appended claims.

What is claimed is:

1. A guard for guy wires and the like composed of an elongated member which lies along the wire, means for securing said guy to said wire, said guard having its edges turned inwardly to form interior grooves, and clamping means mounted in said grooves for securing said guard against rotation.

2. A guard for guy wires and the like com-

posed of an elongated trough-shaped member having its edges turned inwardly to form interior grooves, and means mounted in said grooves for securing said guard against rotation.

3. A guard for guy wires and the like comprising an elongated trough-shaped member the edges of which are turned inwardly to form interior grooves, a guy wire to be protected, and means located in said grooves of said guard for securing said guard to said guy wire.

4. A guard for guy wires and the like composed of an elongated trough-shaped member which is adapted to lie along a wire to be protected, said member having its edges turned inwardly to form interior grooves, means for securing said guard to said wire, one of said means comprising a member mounted in said grooves and adapted to engage said guy wire, said guard having a projection at its lower end which engages said anchor rod to which the guy wire is secured.

5. A guard for guy wires and the like comprising an elongated member which lies along the wire, said guard having its edges turned inwardly, and clamping means slidably mounted in said inturned edges between said edges and the wire.

6. A guard for guy wires and the like comprising an elongated member which lies along the wire, said guard having its edges turned inwardly, and a clamping element for securing said guard to the wire and including parted ends mounted within the said inturned edges of the guard.

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