March 16, 1965 E. J. REDLICH 3,173,524

ANCHOR

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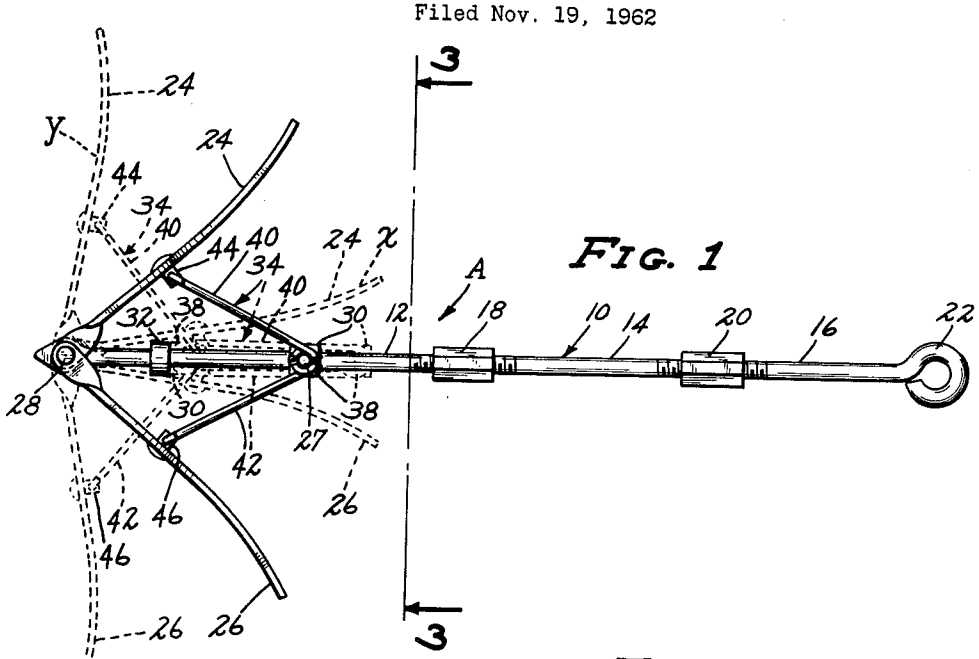


FIG. 1

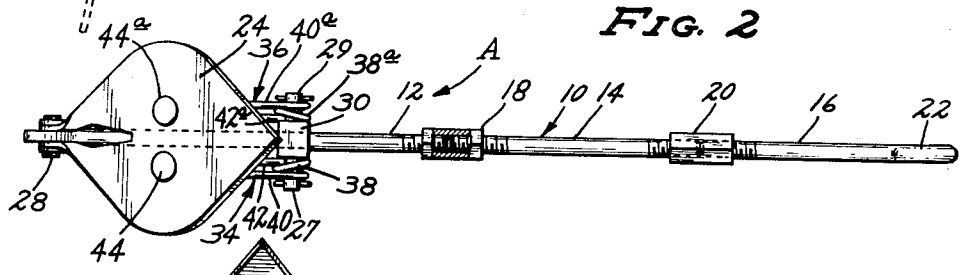


FIG. 2

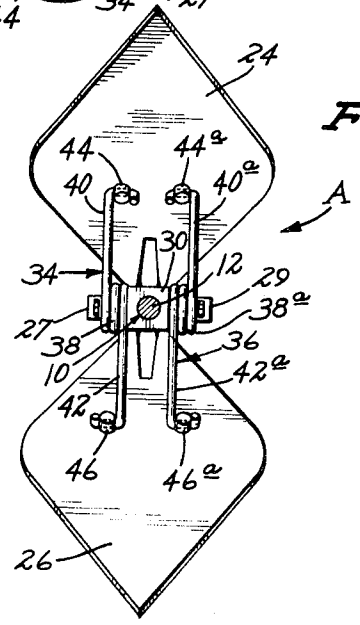


FIG. 3

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The invention relates broadly to an anchor and more specifically to an anchor for use in securing a line in a swamp or bog.

It is an object of the invention to provide an anchor which may be securely positioned in a swamp or bog to which a line may be easily secured to anchor a telephone pole or the like.

It is a further object to provide an anchor which is self-opening and easily positioned in the swamp or bog and which adequately and positively secures a line for the vertical erection of a pole.

It will not be here attempted to set forth and indicate all of the various objects and advantages incident to the invention, but other objects and advantages will be referred to in or else will become apparent from that which follows.

In the drawings forming part of this application:

FIGURE 1 is a side elevational view of the anchor with the blades shown in an intermediate position in full line and in a closed and also a full open position in broken lines.

FIGURE 2 is a side elevational view rotated 90 degrees to that shown in FIGURE 1.

FIGURE 3 is a view on the line 3—3 of FIGURE 1.

Referring to the drawings in detail, the anchor A includes the central supporting rod 10 which is made up of the sections 12, 14 and 16 threadedly connected by the nuts 18 and 20. The section 16 is formed with the eye portion 22 to which one end of a cable or the like is secured, the other end being secured to a pole.

Further provided is a pair of first and second blades 24 and 26, respectively, each of which is pivotally connected at the front end thereof to the pin 28 mounted on the front end of the central support 10. The numeral 30 designates a collar which is slidably mounted on the section 12 of the central supporting rod 10, and extending from the collar 30 are the trunnions 27 and 29. The forward slidable movement of the collar 30 upon the central support rod is limited by the shoulder member 32 fixedly secured to the central support rod 10 which places the blades 24 and 26 in a predetermined opened position as will be more fully hereinafter set forth.

In addition is provided a pair of one piece first and second springs 34 and 36, respectively. The first spring 34 is formed of the central coil portion 38 secured on the trunnion 27 and extending therefrom is the upper first leg portion 40 and the lower second leg portion 42. The outward free end of the upper first leg portion 40 is pivotally secured to the lug 44 of the undersurface of the blade 24, and the outward free end of the lower second leg portion 42 is pivotally secured to the lug 46 of the undersurface of the blade 26.

The second spring 36 and its connection to the blades 24 and 26 is identical to the first spring 34, and the identical portions are given the same reference numeral with the addition of the small letter *a*. The central coil portion 38*a* of the spring 36 is secured on the trunnion 29 of the collar 30. The springs 34 and 36 are so formed that in a state of rest the same hold the blades 24 and 26 in an intermediate position as shown in FIGURE 1 in full line.

In using the anchor A, the same is pushed downwardly into a swamp or bog, and as such is done the blades 24 and 26 are somewhat flattened upon the support 10 against the action of the springs 34 and 36 as indicated in broken lines at *x*. In this somewhat flattened condition the blades of the anchor present a minimum of resistance and are easily forced into the swamp or bog. With the anchor A in position beneath the surface at the necessary depth, the same is pulled upwardly slightly, and as a result the blades are pivoted and opened to the full line position shown in broken lines and indicated as *y* in FIGURE 1. With the anchor A in such a position, a maximum resistance of the anchor blades is created to act against removal by stress on a line secured to the eye 22 and a pole positioned in the swamp or bog.

The invention is not to be understood as restricted to the details set forth since these may be modified within the scope of the appended claims without departing from the spirit and scope of the invention.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

1. In an anchor, a central elongated support member having a front end and a rear end, first and second blade members, each of said blade members pivotally connected to said central support member, a collar slidably mounted on said central support member, spring means connected to said slidable collar and each of said blade members to normally hold said blade members in an intermediate position between an open position away from said support and a closed position in which said blade members extend rearwardly and are substantially upon said support whereby with the blade members in said open position said spring means urge said blade members rearwardly, and with said blade members in said closed position, said spring means urge said blade members outwardly.

2. In an anchor, an elongated central support member, first and second blade members, each of said blade members pivotally connected at one end to the outer end of said central support member, first and second spring members, a collar slidably mounted on said support member, shoulder means for limiting the movement of said collar, each of said spring members having a coil portion and first and second leg portions extending therefrom, each of said coil portions mounted on said collar with the first legs thereof connected to said first blade member and the second legs thereof connected to said second blade member to normally hold said blade members in an intermediate position between an open position away from said support and a closed position substantially upon said support whereby with said blade members in said open position, said spring members urge said blade members rearwardly, and with said blade members in said closed position, said spring members urge said blade members outwardly.

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