No. 772,515. PATENTED OCT. 18, 1904.

W. J. JACKMAN.

POST ANCHOR.

APPLICATION FILED APR. 13, 1904.

NO MODEL.

Fig. 1.

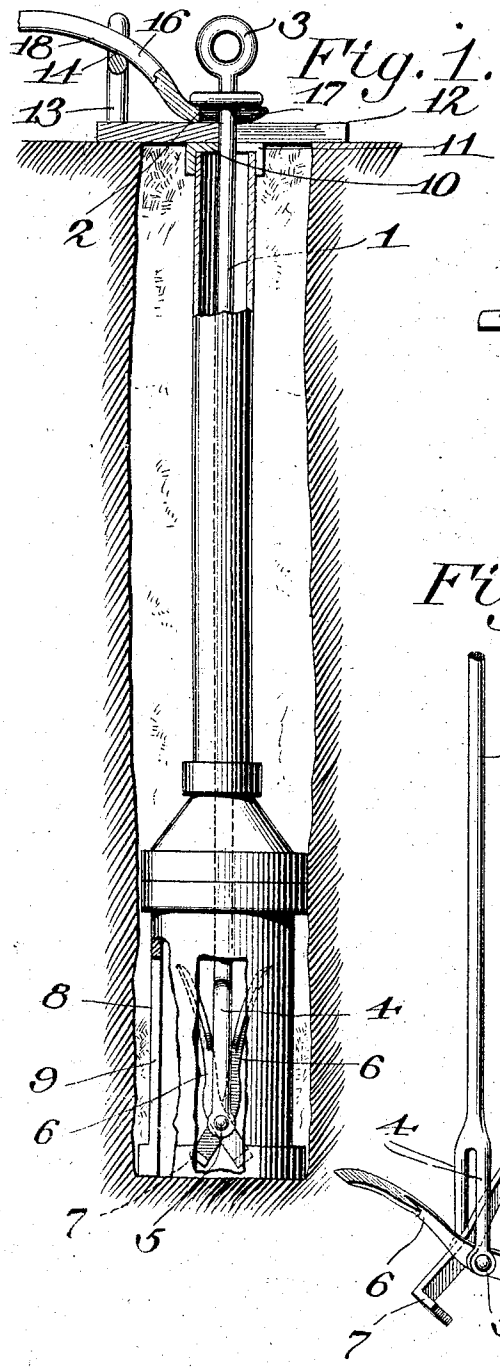


Fig. 2.

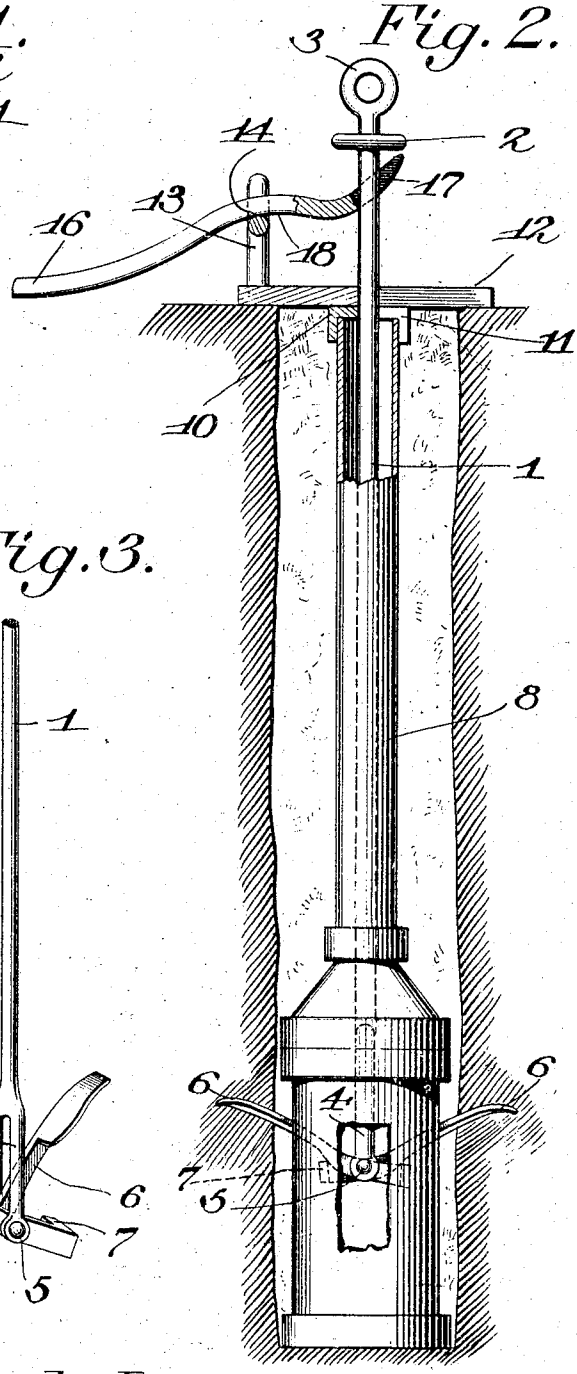


Fig. 3.

Witnesses

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No. 772,515. Patented October 18, 1904.

UNITED STATES PATENT OFFICE.

WILBERT J. JACKMAN, OF LIMA, OHIO.

POST-ANCHOR.

SPECIFICATION forming part of Letters Patent No. 772,515, dated October 18, 1904.

Application filed April 13, 1904. Serial No. 203,005. (No model.)

To all whom it may concern:

Be it known that I, WILBERT J. JACKMAN, a citizen of the United States, residing at Lima, in the county of Allen and State of Ohio, have invented a new and useful Post-Anchor, of which the following is a specification.

My invention relates to earth-anchors designed especially for anchoring into the ground rods or members to which the guy-wires of fences, posts, and the like may be attached, and has for its objects to produce a simple effective device of this character by which the rods or members will be firmly and securely anchored.

The invention further relates to means for entering the device into the ground, having for its objects in this particular to provide an approved means of simple construction especially adapted for use in connection with the anchor hereinafter described.

To these ends the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a vertical sectional elevation illustrating my improved device and its seating mechanism in position in the ground and prior to engagement of the grappling members. Fig. 2 is a similar view showing the device operated for engaging the grappling members with the ground. Fig. 3 is a perspective view of the anchoring device.

Referring to the drawings, 1 designates a rod or member provided adjacent to its upper end with a head or shoulder 2 and above the latter with a loop or eye 3 for the reception of guy-wires or other elements which it may be desired to attach to the member, the lower end of the latter being bifurcated, thus providing a pair of spaced portions or jaws 4, between which is pivoted on a horizontal bolt or axle 5 a pair of grappling members 6.

The grappling members or devices 6, which are adapted to swing on their pivots to an open active position or a closed inactive position, have their normally inner ends crossed and provided with terminal lateral projections or heads 7, designed when the devices are open to engage, respectively, with the companion member 6, to thus positively limit the opening movement of the members. The members are preferably composed of galvanized or other non-corrosive metal and of the form herein shown, having sharpened or pointed outer terminals, which when the members are moved to active engaging position readily enter the ground, this operation being effected by upward traction on the member 1, the upward movement of which latter will, however, be positively and effectually checked upon the grappling members arriving at their fully-opened position with the bearing-heads 7 in engagement with the bodies of the members, as above noted.

For entering and seating the above-described device into the ground I preferably employ the mechanism herein shown, and in which 8 designates a tubular casing having an enlarged lower portion or section provided with a pair of oppositely-disposed vertical slots 9, suitably formed through the wall of the casing and open at their lower ends, these slots being adapted to receive and permit the necessary movement of the grappling devices 6, while the member or rod 1 extends upward through the reduced portion of the casing and projects a suitable distance above the upper end of the latter and the ground-surface.

Removably seated upon the upper end of the casing 8 is a cap 10, provided with a diametric slot 11, designed to receive the adjacent portion of the rod 1, and thus permit of the cap being seated in position. To the cap 10 is bolted or otherwise secured a bearing plate or member 12, carrying in turn and at a point suitably remote from the rod 1 a vertically-uprising bearing-frame or rest 13, having in its upper face a slight depression or recess 14, constituting a seat.

For applying upward traction upon the rod 1 to move the grappling device to active position I preferably employ a bar or lever 16, which in operation has its fulcrum upon the rest 13. This operating member or lever, which has a bifurcated or slotted end 17 designed to straddle the rod 1 beneath the head 2, is provided at a point remote from said bifurcated end with a bearing shoulder or en-

largement 18, designed to prevent longitudinal movement or slipping of the lever upon the rest 13.

In practice, a suitable opening having been formed in the ground, the casing 8, with the anchoring device inclosed therein, is seated in the opening and the operating member 16 engaged with the rod beneath the head 2 and manipulated for drawing the rod bodily upward, thereby swinging the grappling devices to engaging position, as heretofore explained. The member having been in this manner acted upon until its upward movement is checked by the heads 7 coming into engagement with the respective adjacent grapplers, the rod will be securely anchored. The casing and its component parts are then removed and the opening again filled, which leaves the rod and its anchoring means in position and adapted for the attachment of the wires or elements as heretofore mentioned.

From the foregoing it is apparent that I produce a simple effective device admirably adapted for the attainment of the ends in view and a seating and actuating means by which the device may be readily and properly seated and anchored in the ground. In attaining these ends it is to be understood that I do not limit or confine myself to the precise details herein set forth, inasmuch as minor changes may be made therein without departing from the spirit of the invention.

Having thus described the invention, what is claimed is—

1. In a device of the class described, the combination with a member, of a pair of grappling devices pivotally connected therewith and adapted to swing to active or inactive position, said devices having their normally inner ends overlapped, and lateral bearing-heads provided on the overlapping portions of the devices for engagement with the latter to limit their opening movement.

2. In a device of the class described, the combination with a member provided with spaced jaws, of a pair of grappling devices pivoted between said jaws and adapted to swing to active or inactive position, said devices having their normally inner ends overlapped, and bearing-heads provided on the overlapping portions of the devices to limit the opening movement of the latter.

3. In a device of the class described, the combination with a member, of a pair of grappling devices pivotally connected therewith and adapted to swing to active or inactive position, said devices having their normally inner ends overlapped and the terminals of their overlapping portions angularly bent in reverse direction to provide lateral bearing-heads for engagement with the devices to limit their opening movement.

4. In a device of the class described, the combination with a member, of a pair of grappling devices pivotally connected with the member and operable by upward movement of the latter to swing to active position, a casing designed to receive the member and having openings to accommodate the devices, a rest provided at the upper end of the casing, and an operating member adapted to seat upon the rest and engage the first-named member for operating the latter.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILBERT J. JACKMAN.

Witnesses:
W. L. MacKenzie,
J. J. Weadock.