

No. 861,543.

PATENTED JULY 30, 1907.

A. T. SHAFER.
LAND ANCHOR FOR FENCE POSTS.
APPLICATION FILED MAR. 27, 1907.

Fig. 1.

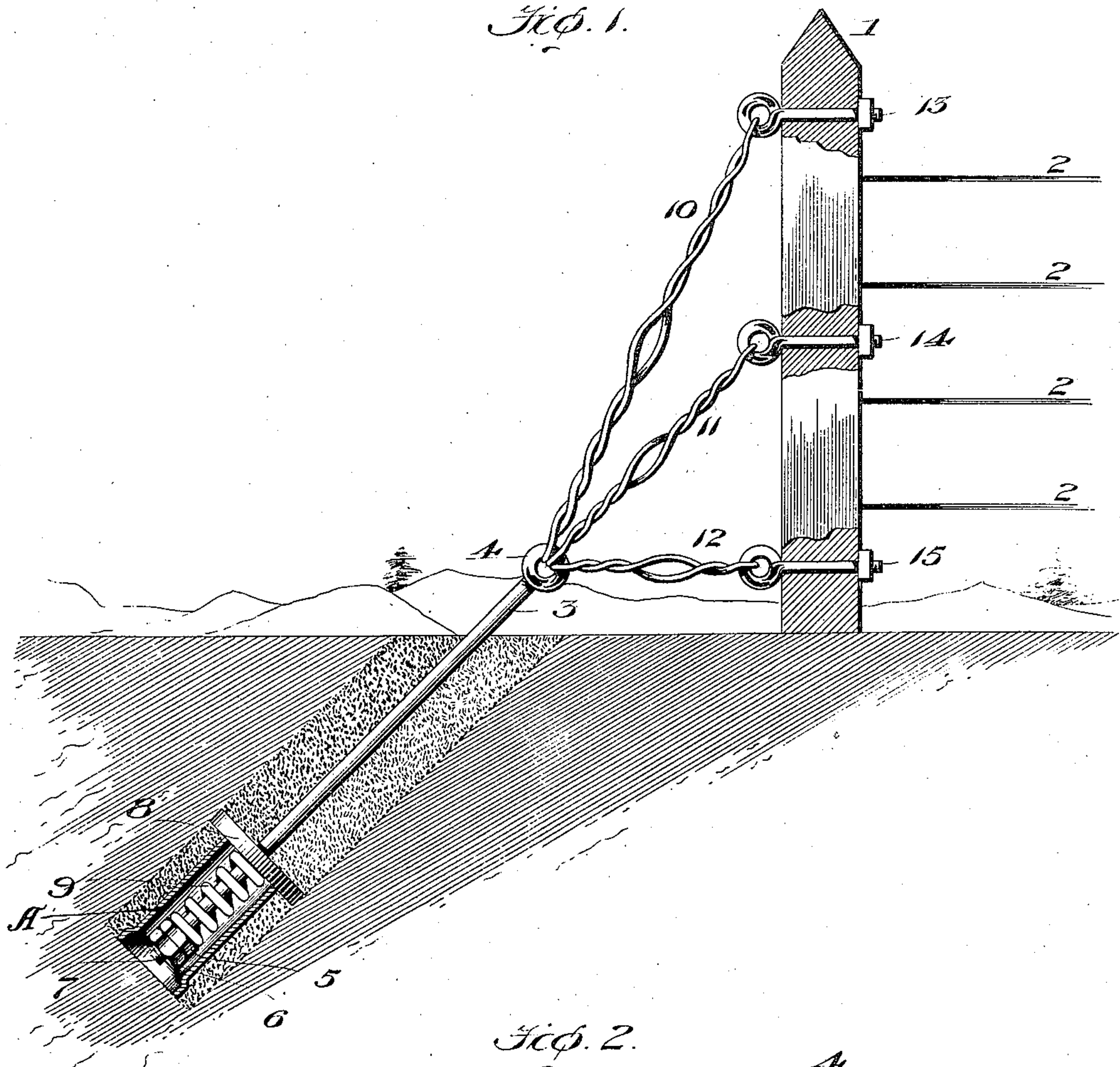
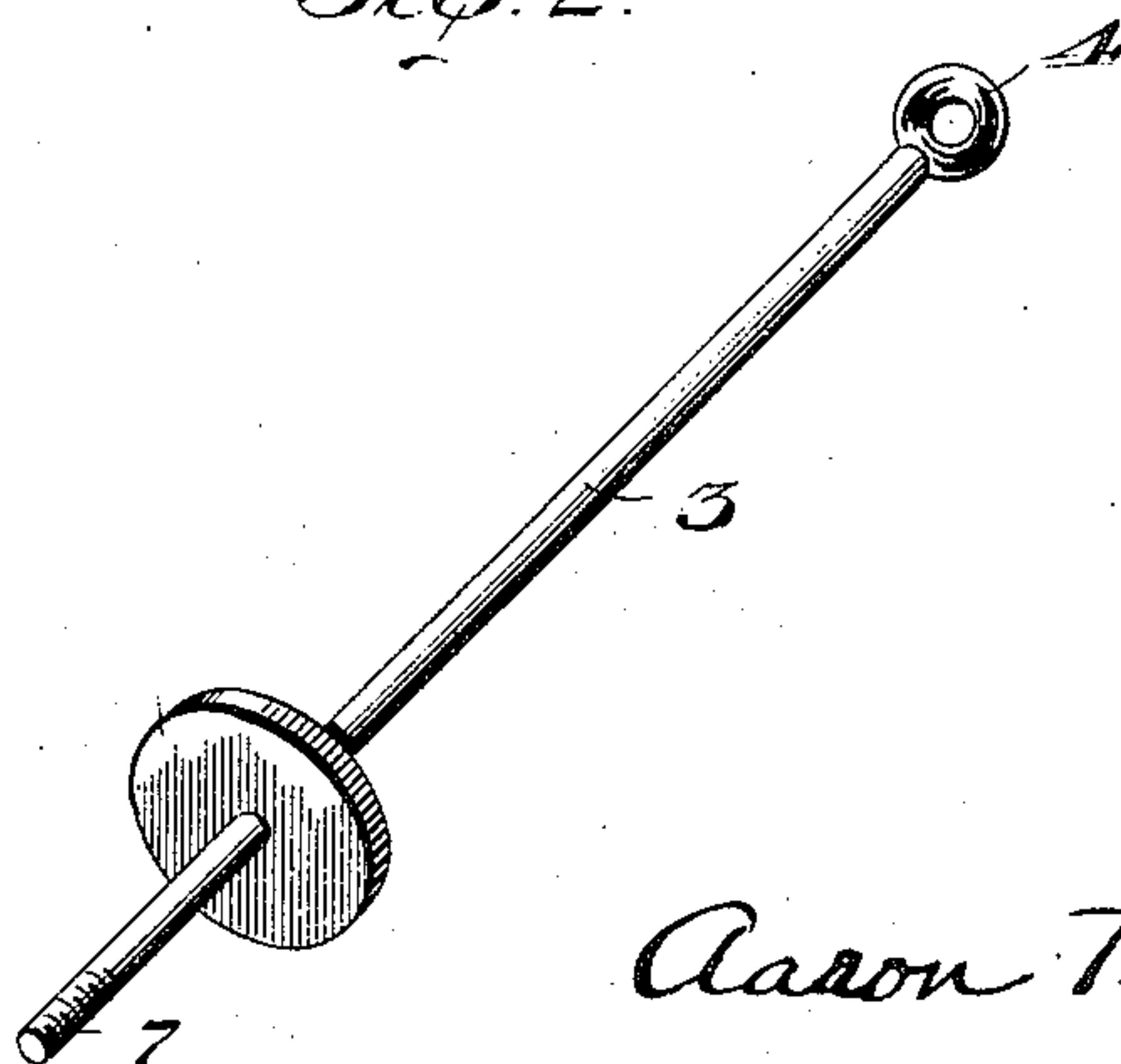


Fig. 2.



Witnesses

Wm. L. Ford
Geo. Hamilton

By

Inventor
Aaron T. Shafer
Wm. L. Ford
his Attorney

UNITED STATES PATENT OFFICE.

AARON T. SHAFER, OF ALLENVILLE, ILLINOIS.

LAND-ANCHOR FOR FENCE-POSTS.

No. 861,543.

Specification of Letters Patent.

Patented July 30, 1907.

Application filed March 27, 1907. Serial No. 364,930.

To all whom it may concern:

Be it known that I, AARON T. SHAFER, a citizen of the United States, residing at Allenville, county of Moultrie, and State of Illinois, have invented certain new and useful Improvements in Land-Anchors for Fence-Posts, of which the following is a specification.

My invention relates to land anchors for fence posts.

Posts for wire fences are subject to the drawing action of the fence wires or the wire fencing and in the course of time become aslant and loose, and it has heretofore been proposed to anchor fence posts to counteract strain of the wires or wirefencing thereon.

My invention relates to the character of devices above set forth and it has for its object the remedy of defects heretofore incident to fence post land anchors.

The objects of the present invention are the provision of a land anchor of simple and inexpensive structure which will be adapted for connection to the fence post in an improved fashion, whereby the anchoring action is distributed throughout the length of the post; to provide means whereby the expansion and contraction of the wires or wire fencing will be compensated so that, regardless of the temperature, the fence post will be properly anchored at all times.

To carry out my objects, I provide a fence post land anchor having means, whereby it is yieldingly engaged with the earth or with any support to which it may be connected and also, by connecting the anchor proper by independent connections to different parts of the fence post, all of which will more fully appear from the following specification, while the novel features are recited in the appended claims.

In the accompanying drawings: Figure 1 is a view illustrating the invention, in use; and Fig. 2, a detail perspective of the anchor, the nuts being removed.

The numeral 1 designates an end fence post which is desired to anchor, 2 being the wires.

I employ a metal rod or small pipe 3 having an eye 4 at its upper end and provided with adjusting and check nuts 5 and 6 on its lower screw-threaded end 7.

The numeral 8 designates a metal plate which may be round, square, or of any other shape, which is loose on the rod 3. Interposed between the plate 8 and the nut 5 is a strong coil spring 9.

In applying the invention to a fence post, twisted wires or small wire cables 10, 11 and 12 are connected to I-bolts 13, 14 and 15 running through the post 1 or in any other desired manner, and are secured to the eye 4, the anchor proper having first been buried in the ground, as shown. In burying the anchor in the ground, a hole large enough to accommodate the plate 8 is bored by an earth auger or is made in any

other ordinary manner and is driven sufficiently deep to accommodate the device.

A drain tile or other suitable tube or pipe A is first placed in the bottom of the hole and the earth packed around it and the anchor is then placed in the hole, the lower end of the rod 3 and spring being received in the tile or tube A. The hole is then filled above the plate 8, but the depth to which the anchor is buried is not sufficient to prevent free sliding of the rod 3. The tile or tube A permits free action of the spring.

The rod 3 can be pulled up sufficiently, after the anchor has been buried, to place any desired tension on the spring 9, and it will be seen that this spring provides an automatic compensator, allowing the rod 3 to move as found necessary to compensate for the expansion and contraction of the fence wires so that whatever may be the temperature, the anchor always exerts the proper anchoring effect on the fence post. By twisting the wires or cables 10, 11 and 12, they may be tightened to any desired extent. The distribution of the anchoring action at the three points, top, center and bottom, of the fence post, insures even strain on all parts of the fence post so that the lower, as well as the central and upper fence wires, will all be kept at substantially the same degree of strain.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A land anchor comprising an anchoring plate or member, a rod having a loose or slip connection with said anchoring plate or member, an abutment on the rod below the anchoring plate, a coil spring surrounding the rod between the abutment and the anchoring plate or member and means at the other end of the rod for attachment to the object to be anchored.

2. A land anchor comprising an anchoring plate or member, a rod having its lower end provided with screw-threads and loosely passing through the anchoring plate or member, a nut on the screw-threaded part of the rod below the plate, a coil spring surrounding the rod between the nut and the anchoring plate or member and means at the other end of the rod for attachment to the object to be anchored.

3. A land anchor comprising an anchoring plate or member, a rod loosely passing through the anchoring plate or member, and provided below the same with an abutment and at its upper end having means for attachment to the object to be anchored, a coil spring surrounding the rod below the plate and located between it and the abutment, and a tube or housing loosely inclosing the coil spring and the lower end of the rod.

In testimony whereof, I hereunto affix my signature in presence of two witnesses.

AARON T. SHAFER.

Witnesses:

H. B. LILLY,
C. A. LAYTON.