

No. 702,893.

Patented June 17, 1902.

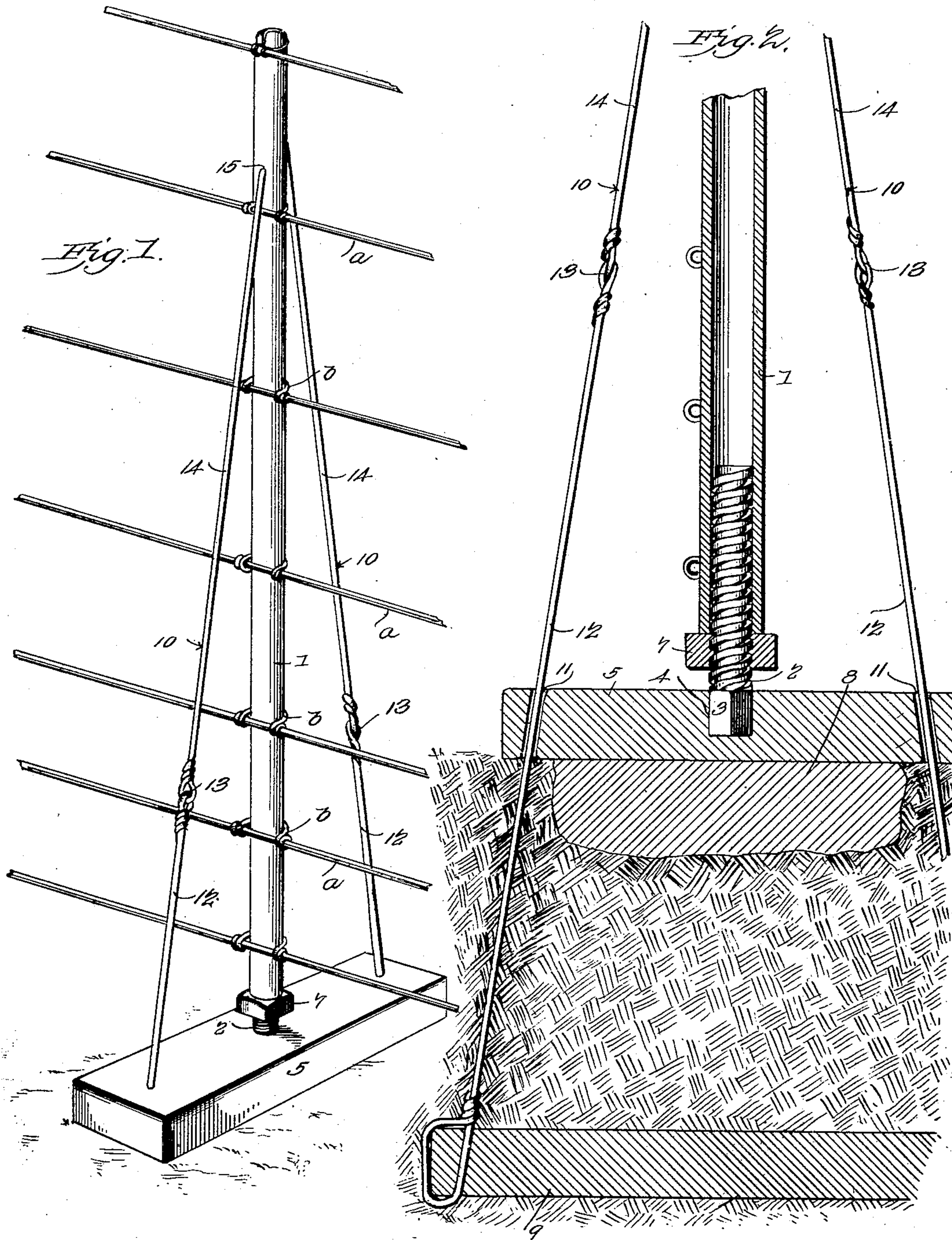
I. M. WARNER.

FENCE POST, TELEGRAPH POLE, OR THE LIKE.

(Application filed July 15, 1901.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses
O. M. Simpson
J. C. Warner

I. M. Warner Inventor
by *C. A. Snow & Co.*
Attorneys

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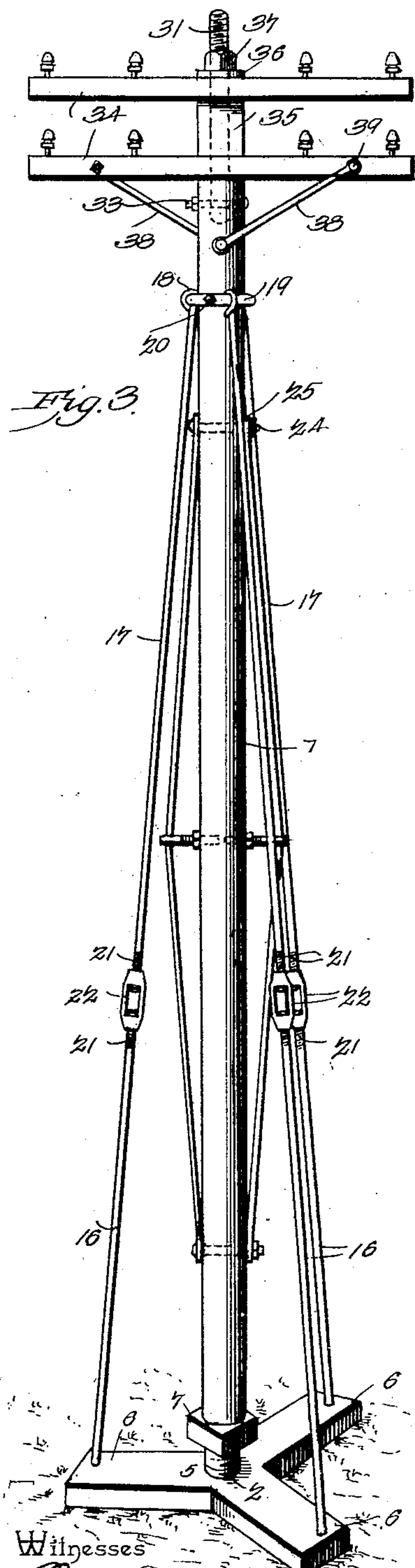
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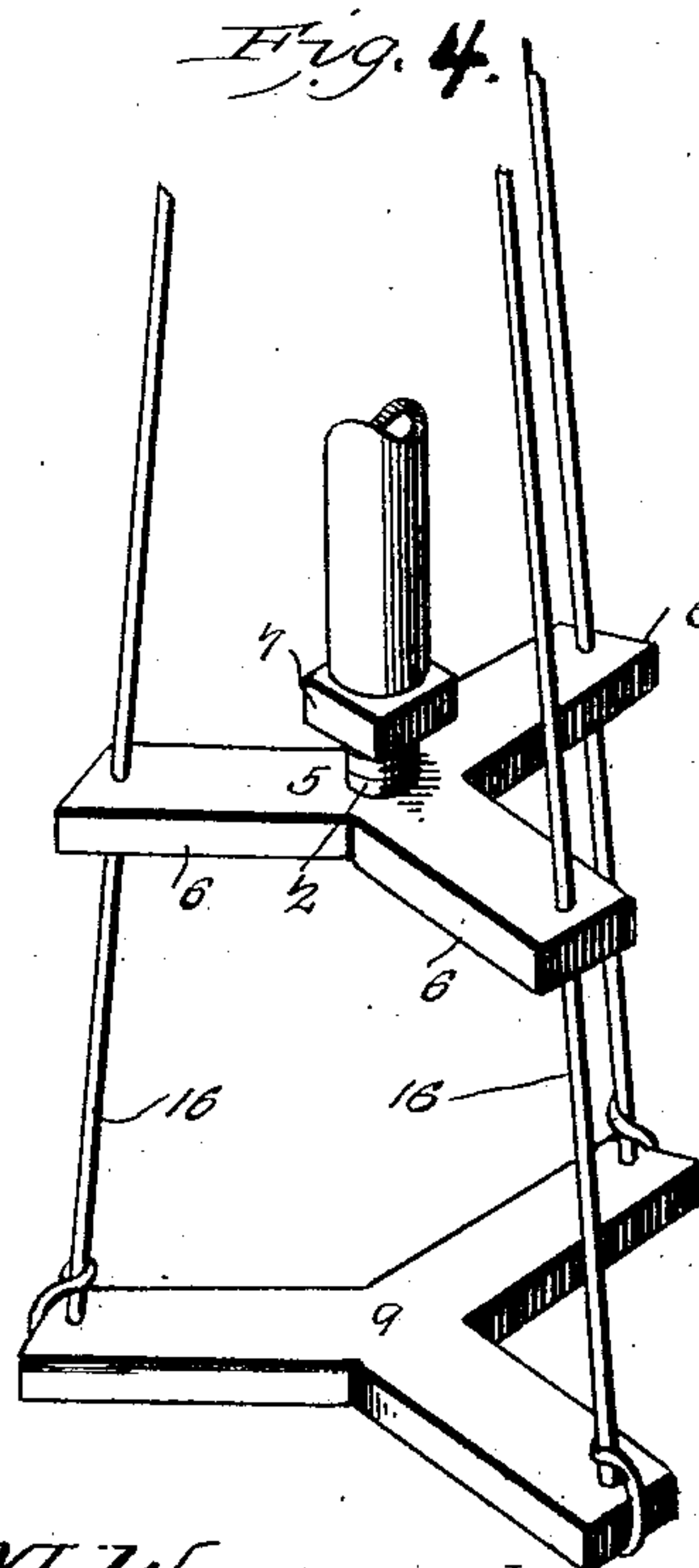
(No Model.)

2 Sheets—Sheet 2.



Witnesses

W. S. Simpson
J. W. Warner



by

I. M. Warner, Inventor
C. A. Snow & Co.
Attorneys

UNITED STATES PATENT OFFICE.

ISAAC M. WARNER, OF UNION CITY, MICHIGAN, ASSIGNOR TO FRANK C. BOISE, OF UNION CITY, MICHIGAN.

FENCE-POST, TELEGRAPH-POLE, OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 702,893, dated June 17, 1902.

Application filed July 15, 1901. Serial No. 68,365. (No model.)

To all whom it may concern:

Be it known that I, ISAAC M. WARNER, a citizen of the United States, residing at Union City, in the county of Branch and State of Michigan, have invented a new and useful Fence-Post, Telegraph-Pole, or the Like, of which the following is a specification.

My invention relates to improvements in fence-posts, telegraph-poles, and the like; and it consists in the peculiar construction and combination of devices hereinafter fully set forth and claimed.

One object of my invention is to effect improvements in the means for bracing or staying a post or pole against lateral stress to keep the same in a vertical position.

A further object of my invention is to provide improved means to adjust the post or pole vertically to tighten the stays or braces when they become slack.

In the accompanying drawings, Figure 1 is a perspective view of a fence-post embodying my improvements. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a detail perspective view of a telegraph-pole embodying my improvements. Fig. 4 is a detail perspective view of the lower portion of the pole.

In the embodiment of my invention the post or pole 1 is an iron or steel tube of suitable length and diameter. In the lower end of the same is inserted a jack-screw 2, having an angular head 3, which head is fitted in a socket 4 in the upper side of a base-plate 5. In practice the base-plate is preferably made of iron or steel. Where the same is employed in connection with a fence-post, said base-plate is preferably of oblong form, as shown in Fig. 1; but where the same is employed in connection with a telegraph-pole the said base-plate preferably comprises three or more radial arms 6, the inner ends of which are united, as shown in Fig. 3. On the screw 2 is a nut 7, which engages the threads thereof and bears against the lower end of the post or pole. The post or pole is thereby supported by the screw and nut. By turning the latter the post or pole may be raised or lowered to adjust the same, as will be understood.

In practice the base-plate 5 bears on the

surface of the ground, and preferably a stone is under the same, as at 8. At a suitable distance under the base-plate is an anchor 9, which may be of any suitable form, and the stays or rods 10, which brace the post or pole laterally, are attached to the said anchor and pass upwardly therefrom through openings 11 in the base-plate. In the case of a fence-post the stays 10 are of wire. The lower wires 12 are attached to the anchor and passed through openings in the base-plate and formed at their upper ends with eyes 13. The upper wire 14 is passed through transverse openings 15 in the post at a suitable distance from the upper end thereof, and the ends of the said wire 14 are attached to said eyes 13 of the lower wires 12, as shown. Hence the brace-wires are adapted to effectually brace or stay the post, as will be understood. To tighten the stays or braces 10 of the post, the nut 7 is turned on the screw 2 in such manner as to raise the post. Hence when the stays or braces become slack and the post exhibits a tendency to sag the same may be adjusted vertically to take up the slack in the stays or braces and stretch the same to any desired degree. As here shown, the runner-wires *a* of the fence are attached to the post by wire loops *b*. Any other means may, however, be employed within the scope of my invention for this purpose.

The braces 10 for the telegraph-pole (shown in Fig. 3) comprise lower rods 16 and upper rods 17. The lower rods 16 have their lower ends attached to the outer ends of the arms of the anchor 9, which is of the same general construction as the base 6. The upper ends of the rods 17 have eyes formed in them, which engage a ring 19 on the pole near the upper end thereof, which ring is secured to the pole by a bolt 20 and passes there-through and through the pole. The meeting ends of the rods 16 17 are oppositely screw-threaded, as at 21, and connected together by similarly-screw-threaded turnbuckles 22. The latter adapt the stays or braces to be adjusted longitudinally, so that the same may under all conditions be of the same length and caused to exert an even tension on the pole. It will be understood that the latter may be adjusted vertically by turning the nut 7, as

hereinbefore described, to tighten the stays or braces 10 and prevent the pole from sagging.

It is desirable to provide the pole with 5 trusses near its central portion to prevent the pole from becoming bent out of shape.

Inasmuch as the anchor is buried in the ground and disposed at a distance below the base, it will be understood that when the 10 post or pole is vertically adjusted to tighten the stays or braces the earth between the anchor and base will be compressed, and hence the post or pole will be also the more firmly secured to the ground.

15 Having thus described my invention, I claim—

1. The combination of a base, a screw thereon, a post or the like having a bore in its lower portion into which said screw extends, 20 a nut on the latter and supporting said post, and stays for said post, whereby said stays may be tightened by turning said nut to adjust said post vertically on said screw, each of said stays having means to vary the length 25 thereof, substantially as described.

2. The combination of a base, a screw thereon, a post or the like having a bore in its lower portion into which said screw extends, a nut on the latter and supporting said post,

an anchor below the base, and stays connecting said anchor to said post, substantially as 30 described.

3. The combination of a base, a screw thereon, a post or the like having a bore in its lower portion into which said screw extends, 35 a nut on the latter and supporting said post, an anchor below the base and stays connecting said anchor to said post, said stays passing through openings in said base, substantially as described. 40

4. The combination of a buried anchor, a base above the same, and separated therefrom, a post or the like, a screw supporting the same on said base whereby said post may be vertically adjusted by said screw, and stays 45 or braces connecting the said buried anchor to said post, whereby said stays or braces may be tightened and the earth between said buried anchor and the base compressed by adjusting said post on said supporting-screw, sub- 50 stantially as described.

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

ISAAC M. WARNER.

Witnesses:

CHARLES W. SHORT,
CHAS. E. DAY.