

No. 607,435.

Patented July 19, 1898.

H. A. HILL.  
POST BRACE.

(Application filed Jan. 11, 1897.)

(No Model.)

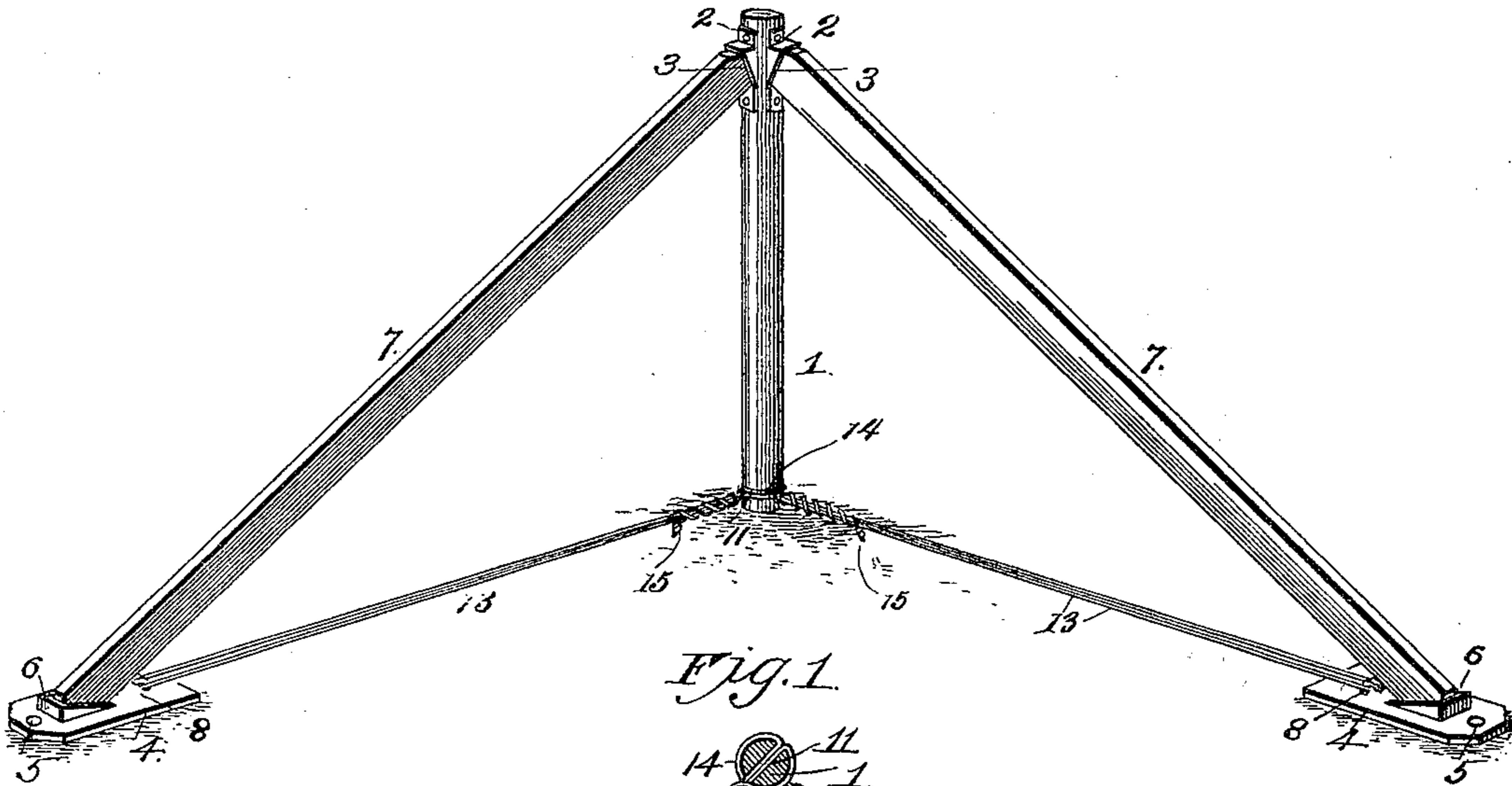


Fig. 1.

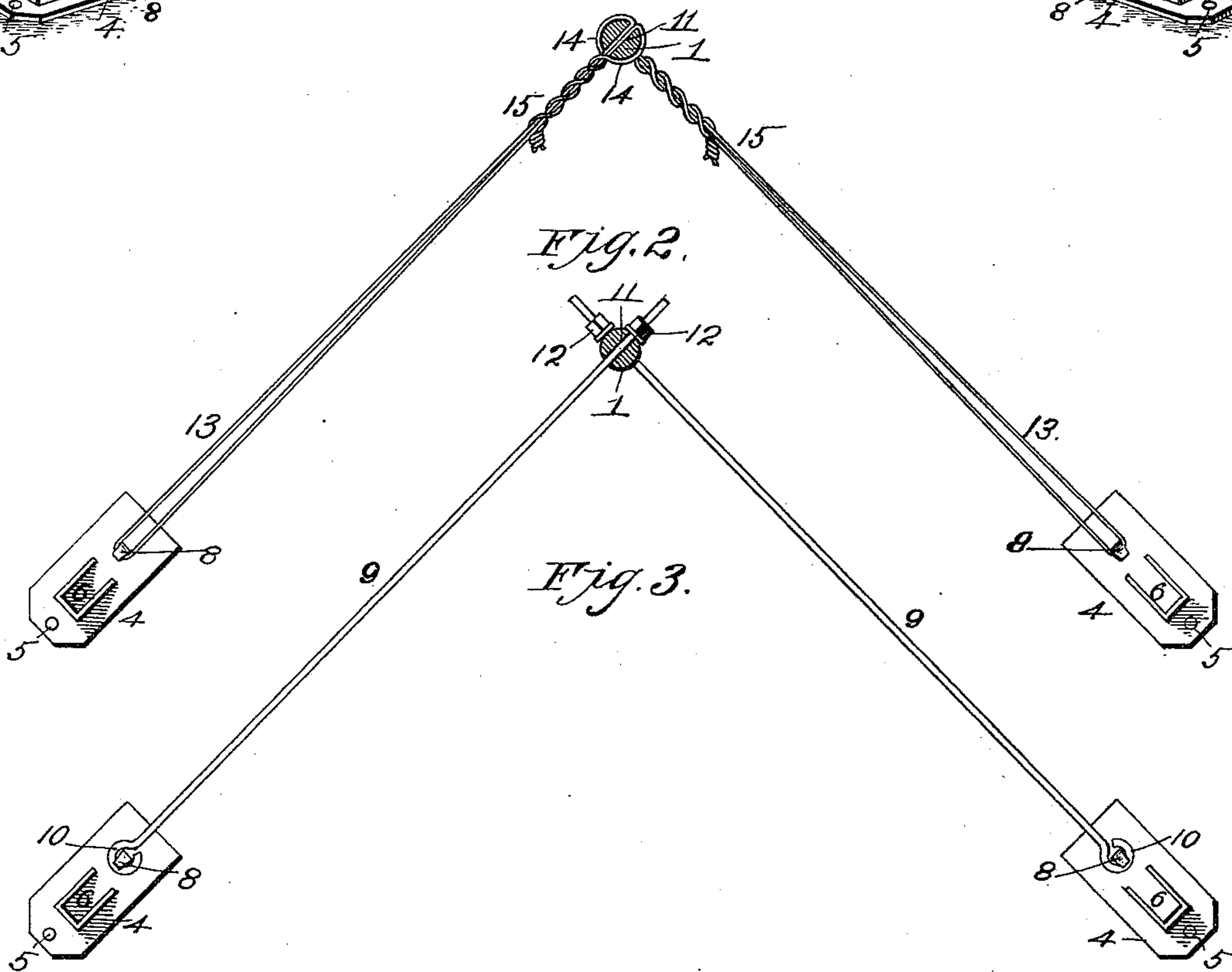


Fig. 2.

Fig. 3.

Witnesses:

*M. R. Remley.*  
*L. P. Thompson.*

Inventor:  
*H. A. Hill.*

*By Higdon & Higdon*  
Attys.

# UNITED STATES PATENT OFFICE.

HARRISON A. HILL, OF HUNTSVILLE, KANSAS.

## POST-BRACE.

SPECIFICATION forming part of Letters Patent No. 607,435, dated July 19, 1898.

Application filed January 11, 1897. Serial No. 618,867. (No model.)

*To all whom it may concern:*

Be it known that I, HARRISON A. HILL, of Huntsville, Kansas, have invented certain new and useful Improvements in Post-Braces, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part thereof.

My invention relates to post-braces, and is designed as an improvement on the post-brace patented by me on October 6, 1896, and numbered 568,948, my principal object being to produce a cheaper post-brace and one which is, if anything, more reliable than the patented one.

With this object in view the invention consists in certain novel and peculiar features of construction and arrangement, as hereinafter described and claimed.

In order that the invention may be fully understood, reference is to be had to the accompanying drawings, in which—

Figure 1 is a perspective view of a post-brace embodying my invention. Fig. 2 is a horizontal section of the same. Fig. 3 is a horizontal section of a modified form of construction.

In said drawings, 1 designates a fence-post or other post to be braced.

2 designates brackets secured to the post near its upper end and arranged at right angles to each other, and said brackets are provided with sockets 3.

4 designates foot-plates spiked to the ground at proper distances from the base of the post and in line with the fence to be supported by pins or stakes 5, and said plates are provided with sockets 6.

7 designates inclined brace-bars, which engage said sockets 3 and 6 at their upper and lower ends, respectively, and inward of said sockets 6 the plates are provided with outwardly-disposed hooks 8.

13 designates tie-wires, which are doubled, as shown, and looped over the hooks 8 of the plates 4, and their ends are threaded through longitudinally-alined openings 11 of the post at or near its base, said openings therefore extending at right angles to each other. That portion of each wire projecting through the post is then bent back around the post in op-

posite directions, as shown at 14, and the meeting portions are twisted together and by preference upon the strands of the wire, as shown at 15, so as to bind them together and consequently obviate any tendency of said wire to spread apart to split the post. This twisting operation also tensions the wires in the required degree and by the center draft or pull upon the post obviates any tendency of the post to rotate or twist in the ground. This is a real advantage over the structure embodied in my aforesaid patent, as I have found in practice that the post will twist to a limited extent under heavy strain.

In the modified form, Fig. 3, I illustrate in lieu of the wires 13 the rods 9, which are provided with eyes or loops 10 at their outer ends, engaging the hooks 8, and with screw-threads at their opposite ends, the latter being engaged by clamping-nuts 12, bearing against the post. This is an equivalent construction of that illustrated in Figs. 1 and 2.

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

1. In a post-brace, the combination of a post, provided with holes near the ground-line, foot-plates secured upon the ground at suitable distances from the post, inclined brace-bars connecting the post and the foot-plates, and wires, each doubled, looped to one foot-plate, extending through and around the post and twisted upon itself between the post and the foot-plate, substantially as described.

2. In a post-brace, the combination of a post, provided with holes near the ground-line, foot-plates secured upon the ground at suitable distances from the post, inclined brace-bars connecting the post and the foot-plates, and wires, each doubled, looped to one foot-plate, extending through and around the post and twisted upon itself between the post and the foot-plate, and having its ends twisted upon each other, substantially as described.

3. In a post-brace, the combination of a post provided with holes near the ground-line, foot-plates provided with lugs and secured upon the ground at suitable distances from the post, inclined brace-bars connecting the post and the foot-plates, and wires,

doubled, and looped at their bends to the said  
lugs, and extending through the holes of the  
post; the strands of each wire being bent in op-  
posite directions around the post and twisted  
5 upon the double strand intermediate of the  
post and the foot-plates, substantially as  
shown and described.

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

HARRISON A. HILL.

Witnesses:

G. Y. THORPE,  
M. R. REMLEY.