No. 758,593. PATENTED APR. 26, 1904.

I. HAWS.

FENCE.

APPLICATION FILED AUG. 5, 1903.

NO MODEL.

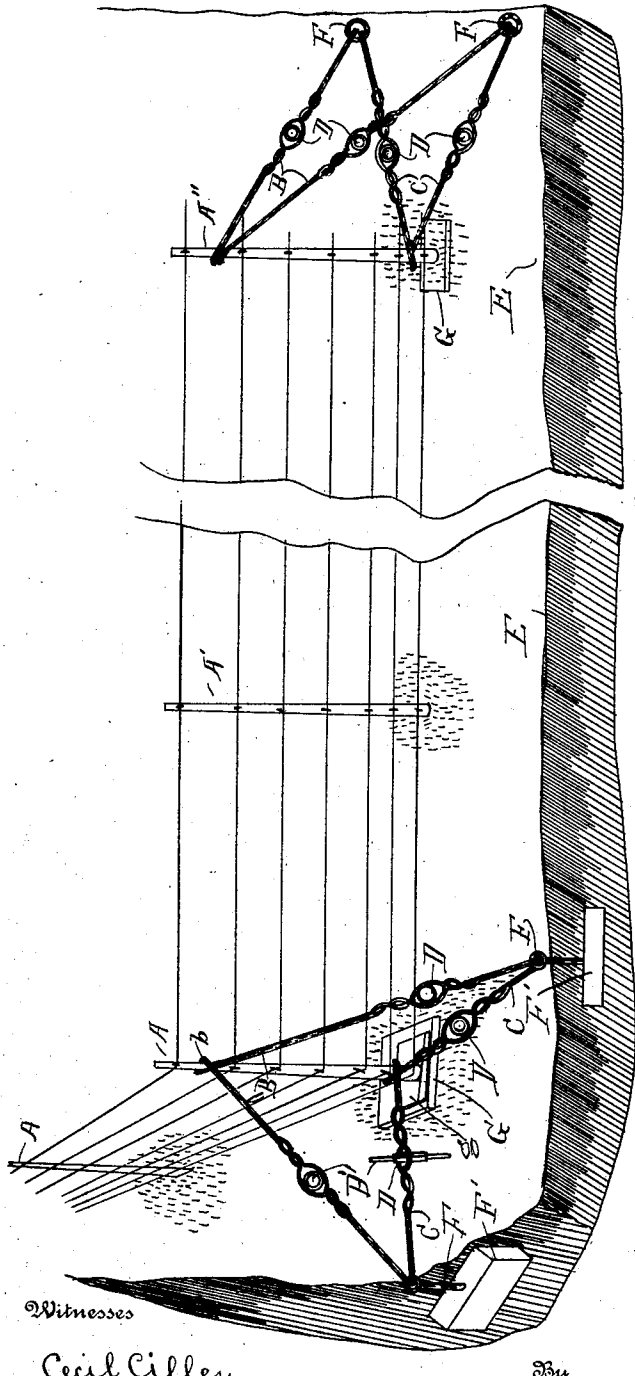


Fig. 1.

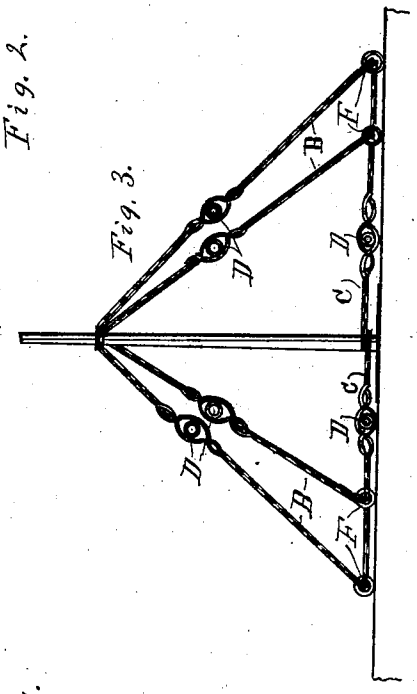


Fig. 3.

Fig. 2.

Witnesses

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No. 758,593. Patented April 26, 1904.

UNITED STATES PATENT OFFICE.

ISAAC HAWS, OF HANNIBAL, NEW YORK.

FENCE.

SPECIFICATION forming part of Letters Patent No. 758,593, dated April 26, 1904.

Application filed August 5, 1903. Serial No. 168,379. (No model.)

To all whom it may concern:

Be it known that I, ISAAC HAWS, a citizen of the United States, residing at Hannibal, in the county of Oswego and State of New York, have invented certain new and useful Improvements in Fences, of which the following is a specification.

My invention relates to improvements in the construction of wire fences; and its objects are, first, to thoroughly brace the corner and end posts against the strain of the wire in the fence; second, to provide for readily adjusting the tension of the fence-wire, and, third, to avert the danger of rotting the lower ends of the adjustable posts. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective of a fence, showing the corner attachment; and Fig. 2 is a continuation of the main line of fence, showing the attachment as applied to a single post in the direct line of the fence for longitudinal adjustment. Fig. 3 shows a telephone-pole braced.

Similar letters refer to similar parts throughout the views.

In the drawings, A represents a corner-post.

A′ represents center posts permanently set in the ground.

A″ represents an adjustable end post, and *a a*, &c., represent the fence-wires.

In constructing this fence I set the permanent posts A′ in the ground, as indicated. I then place a stone, a concrete slab, or other suitable foundation, as G, at the point where the adjustable post is to stand and place two anchor-blocks, as F′, at suitable points in the earth E to properly brace the posts with the tension or strain upon the brace-wires B, &c., one end of each of which is secured to the post, as at *b*, and the other end is secured to the anchor-bolts F, by means of which they are secured to the anchor-blocks F′, as indicated. The adjustable posts A are placed vertically upon the foundation G, either with or without the intervening wedge *g*.

The brace-wires B are double and are secured to the post well up toward the top to hold it in a vertical position against the strain of the fence-wires *a*, and the wires C are also double and secured to the lower ends of the posts, each pair of wires leading thence to its respective anchor-bolts F and provided with a short thimble D, secured between the two wires of the brace and designed to hold the wire open at the point, so that a lever D′ may be inserted for twisting each individual brace B or C to draw upon the top or bottom of the post in the direction desired, the wires C drawing the lower ends of the posts upon the foundation G, which acts a double purpose—first, as a foundation upon which the post will be firmly held and may be readily moved when necessary and, second, as a guard to prevent the post from absorbing moisture from the earth, thus averting the danger of premature decay and greatly increasing the life and utility of the posts.

The wedge *g*, though not a necessary adjunct to the construction of the fence, is very useful and convenient as a means of tightening the fence-wires, when no lever D′ is at hand with which to twist the wires, by drawing it under and raising the post, which changes the angle of the brace-wires with the posts, and thus draws upon the fence-wires. This is particularly desirable when the post has been drawn along by the wire braces until its lower end is nearly or quite off of the concrete block G, as with its use the wires can be untwisted and the post raised with the wedge until its proper position is acquired upon the block G, when the wires may again be drawn tight and made available for strengthening the fence, as before. This system of bracing is found very advantageous for use upon old fences where some of the posts have rotted off at the top of the ground, and the same system may be applied to the taller posts, as telephone-poles, &c., by using eight braces, as in Fig. 3, instead of four, as heretofore shown and described.

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

1. In combination with a wire fence and adjustable fence-posts, two anchor-blocks set in the ground some distance from and forming an angle with said post, a double wire extending from the bottom of the post, and like wires

extending from near the top of the post to each of the anchor-blocks, and open thimbles between said wires, substantially as and for the purpose set forth.

2. In combination with a wire fence, adjustable posts, a protecting-block under said posts, anchor-blocks some distance from said posts, a double wire extending from the bottom of the posts, and a like wire extending from near the top of the posts to each of said anchor-blocks, and an open thimble between each pair of wires, substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, July 28, 1903.

ISAAC HAWS.

In presence of—
C. V. CILLEY,
I. J. CILLEY.