

(No Model.)

J. COLLINSON.
BRACE FOR WIRE FENCES.

No. 544,503.

Patented Aug. 13, 1895.

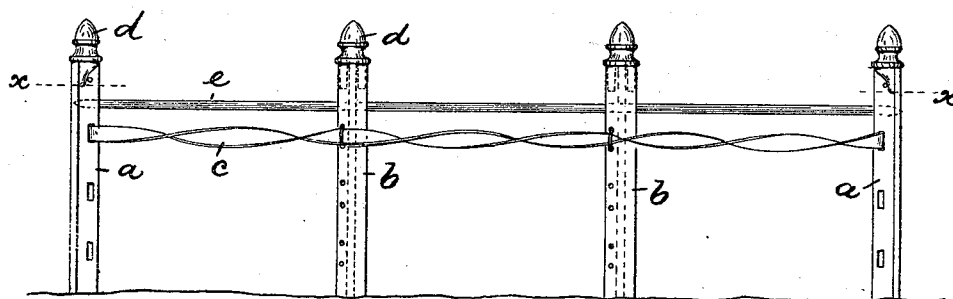


Fig. 1.

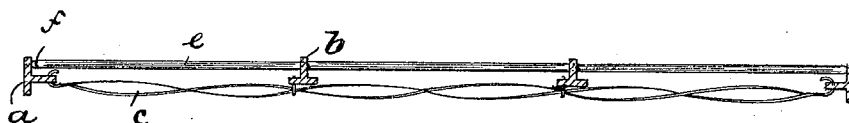


Fig. 2.

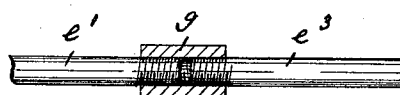


Fig. 3.

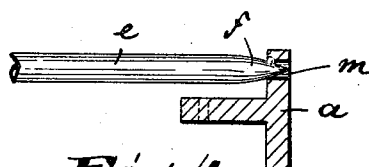


Fig. 4.

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JOSHUA COLLINSON, OF EAST ORANGE, NEW JERSEY.

BRACE FOR WIRE FENCES.

SPECIFICATION forming part of Letters Patent No. 544,503, dated August 13, 1895.

Application filed December 5, 1894. Serial No. 530,842. (No model.)

To all whom it may concern:

Be it known that I, JOSHUA COLLINSON, a citizen of the United States, residing in East Orange, county of Essex, and State of New Jersey, have invented certain new and useful Improvements in Braces for Wire Fences; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of my present invention is to provide a wire fence with a horizontal brace or strengthening rod, whereby the said wire fence is made much stronger and the use of anchors for the posts or the setting of the posts in stone or brick foundation is fully avoided, and the invention is especially applicable to wire fences having the standard T-shaped posts.

The invention consists in the wire fence, its horizontal brace or strengthening rod having tapering or pointed ends in the means for securing said brace to the posts of the fence, and in the combination and arrangement of parts, substantially as will be hereinafter more fully described, and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several views, Figure 1 represents a wire fence of ordinary construction provided with my improved horizontal brace; Fig. 2, a sectional view of the line *xx* of Fig. 1; Fig. 3, an enlarged detail view of a coupled or extended rod when used on a very long fence; and Fig. 4 is an enlarged detail view illustrating more clearly the tapered or pointed end of the horizontal brace in engagement with its respective end post.

In said drawings, *a* and *b* are the end and intermediate posts, respectively, and of the usual well-known T-shaped construction, and are provided with the ornamental tops *d*. A series of twisted or barbed wires *c* (in the drawings only one being shown) is secured to the two end posts and also to the intermediate posts in any desired manner. A brace or rod *e*, having pointed or tapering ends *f*, pene-

trate the shanks of the intermediate posts and bears or rests with its pointed or tapering ends in a socket or hole *m* arranged in one of the sides of the end posts, as clearly shown in Figs. 1, 2, and 3.

In very long fences the rod *e* is made in sections *e'* *e''* *e'''*, screw-threaded at their respective ends and jointed by elongated nuts *g*, as shown in Fig. 3. In practice the posts *a* and *b*, which are of uniform shape and construction, are driven into the ground and the wire *c* secured thereto in the usual well-known manner. The rod *e* is then passed through the holes in the intermediate posts and sprung with its pointed ends into the holes of the end posts.

In my improved device the size of all the posts is the same and as the horizontal brace *e* extends from one end to the other and penetrates each of the intermediate posts an anchorage of or a foundation for the posts is not needed, as said rod steadies and strengthens the stability of the same.

There is a combined action between the wire and the rod, especially as the ends of the latter are tapered or pointed. The wire draws the end posts together and thus secures the rod firmly in the said end posts, while the rod tries to spread the end posts apart, and thus stretches the wire.

From the foregoing it can easily be seen that a wire fence provided with my improved brace, having the tapering or pointed ends, is much stronger and more durable than the braces at present used on wire fences.

I am aware that wire fences having square or rounded posts have been heretofore provided with horizontally-arranged braces, but none of said braces had tapering or pointed ends. Therefore I do not make any broad claim on horizontally-arranged braces; but

What I claim as new, and desire to secure by Letters Patent, is—

1. In a wire fence having T-shaped posts provided with horizontally arranged holes or openings, a horizontally arranged brace having its ends tapered or pointed, penetrating the intermediate posts and resting with its tapering or pointed ends in the holes of the end posts, substantially as and for the purposes described.

2. In a wire fence, the combination with the
end and intermediate posts provided with
horizontally arranged holes or openings, and
with the horizontally arranged wires, of a rod
5 having its outer ends tapering or pointed,
said rod being arranged parallel with the
wires and passing through the holes of the in-
termediate posts and resting with its pointed
ends in the holes or sockets of the end posts,

substantially as shown and for the purposes 10
described.

In testimony that I claim the foregoing I
have hereunto set my hand this 1st day of
December, 1894.

JOSHUA COLLINSON.

Witnesses:

ALFRED GARTNER,
ARTHUR H. THOMSON.