(No Model.)

D. H. TALBERT.

FENCE.

No. 519,743. Patented May 15, 1894.

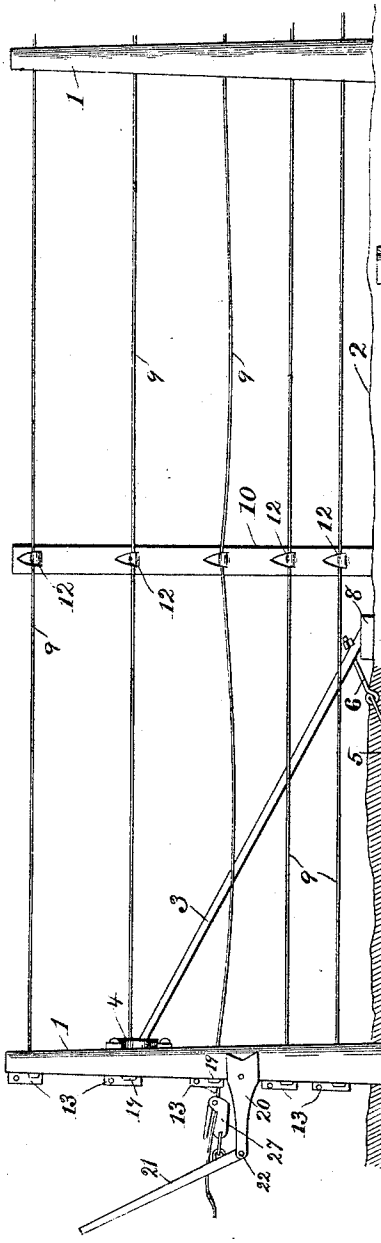


Fig. 1

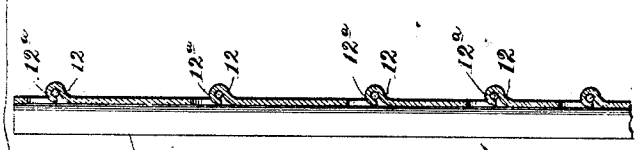


Fig. 2

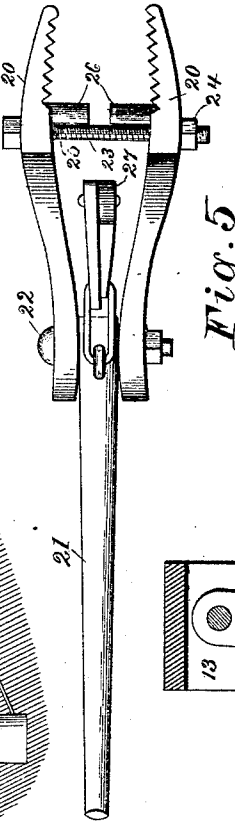


Fig. 5

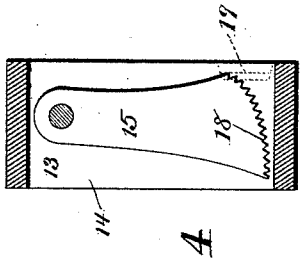


Fig. 4

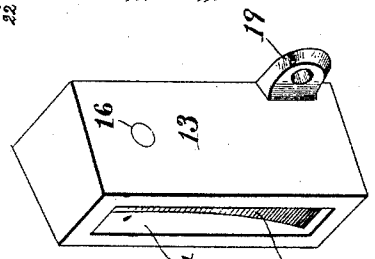


Fig. 3

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FENCE.

SPECIFICATION forming part of Letters Patent No. 519,743, dated May 15, 1894.

Application filed December 19, 1893. Serial No. 494,014. (No model.)

To all whom it may concern:

Be it known that I, DANIEL H. TALBERT, of Knightstown, county of Henry, State of Indiana, have invented certain new and useful Improvements in Fences, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is to produce a firm, durable and inexpensive fence and devices for constructing the same, as will hereinafter more fully and at large appear in the specification and which will be succinctly set out in the appended claims.

In the accompanying drawings: Figure 1 is a side elevation of a section of my fence with the stretcher attached. Fig. 2 is a central vertical longitudinal section of one of the stay posts. Fig. 3 is a view of one of the box fasteners detached. Fig. 4 is a longitudinal section of the same. Fig. 5 is a top plan view of the stretcher detached.

Referring to the figures on the drawings: 1 indicates a post, the ground line being indicated at 2, and 9 indicates the panel wires of the fence.

For securing the ends of the wires to the post 1, I employ a suitable fastening. It consists preferably of a box 13 having a recess 14 preferably extending entirely through it. 15 indicates a cam having its upper end inserted in the recess 14 and pivoted therein, as by a pintle 16. The lower roughened end 18 of the cam bears against the bottom of the box and secures the end of the wire in place. The box is designed to be permanently fastened to the post and is convenient if it is desired to take up slack wire, or to relieve the tension for any purpose. The bottom of the box is smooth so that the roughened edge 18 of the cam is alone used to hold the wire. Consequently, there is no abrasion of the wire except on one side and danger of breaking under tension is thereby diminished. For securing the box in place side lugs 19 may be employed. The box may be set upon the outside of the post or mortised into it. The latter would be a preferable method of securing it in place when the ends of the wire come opposite a gate, or in places where there would be danger of breaking off the fasteners. The advantages of the box fastening above described are that the exposed parts are protected from the weather; that it can be inserted in a mortise, if required; that it does not cut the wire unnecessarily; and because the cam being set in the recess, danger of accidental unfastening, by breakage of the pintle 16, is avoided, the upper wall of the recess being always ready to supply the place of the pintle in case of need.

For tightening the wires or giving them their initial tension, I employ a stretcher particularly adapted for use with my fence. It consists of jaws 20 bolted together and pivoted to an intermediate handle 21 by a bolt 22. 23 indicates a transverse bolt having a long thread and a nut 24 by which the jaws can be adjusted to any width of post. The bolt is preferably squared at one end where it passes through one of the jaws and immediately within the jaw is pierced by a cotter pin 25 and is thereby secured to that jaw.

26 indicates guard plates projecting inwardly from the sides of the jaws 20 which respectively carry them. These guard plates serve, in practice, to protect the threads of the bolt from being injured by pressure against the post.

27 indicates a gripper loosely secured to the lever handle. In practice, the jaws of the stretcher are fastened to the post 1, by means of the bolts 23 and nut 24. The gripper is then fastened to the wire and the lever handle depressed until the required tension is obtained, whereupon the cam 15 is pressed into place and securely holds the wire.

What I claim is—

1. The combination with a post provided with a cam, of a wire stretcher provided with jaws, mechanism for adjusting the same, guard plates adapted to protect said mechanism, and a cam, strain upon the wire in opposite directions actuating the cams respectively, substantially as specified.

2. In a wire stretcher, the combination with jaws and handle pivoted thereto, of a bolt for adjusting the width of the jaws, and a gripper on the handle, substantially as set forth.

3. In a wire stretcher, the combination with jaws and guard plates, of a handle and gripper pivoted to the jaws, and a bolt for adjustably securing the ends of the jaws located behind the guard plates, substantially as set forth.

In testimony of all which I have hereunto subscribed my name.

DANIEL H. TALBERT.

Witnesses:
JOHN E. KEYS,
GEO. G. MORRIS.