(No Model.)

T. J. ANDRE.

FENCE.

No. 562,945. Patented June 30, 1896.

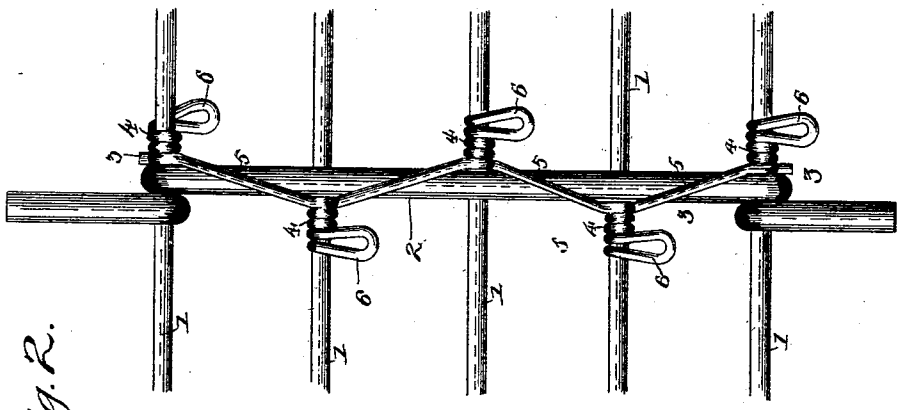

Fig. 2.

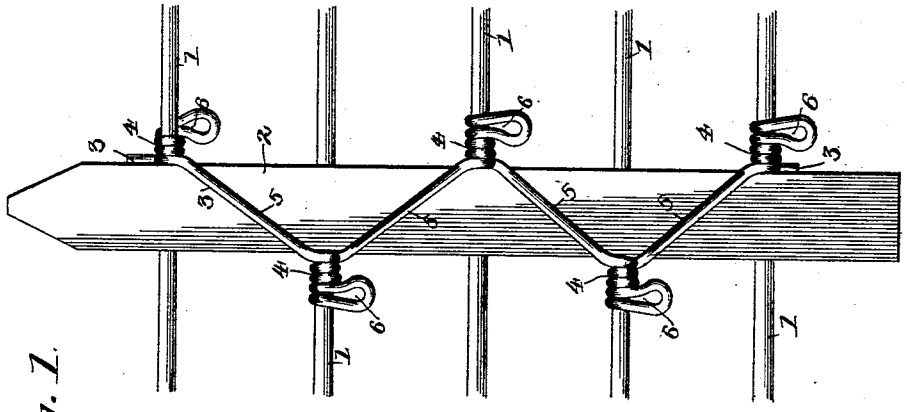

Fig. 1.

Witnesses
T. Lloyd Mockabee
O. E. Hoyle

Inventor
Thomas J. Andre.

By his Attorneys,
C. A. Snow & Co.

ANDREW B. GRAHAM, PHOTO-LITHO. WASHINGTON, D.C.

UNITED STATES PATENT OFFICE.

THOMAS J. ANDRE, OF WAUSEON, OHIO.

FENCE.

SPECIFICATION forming part of Letters Patent No. 562,945, dated June 30, 1896.

Application filed February 3, 1896. Serial No. 577,851. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. ANDRE, a citizen of the United States, residing at Wauseon, in the county of Fulton and State of Ohio, have invented a new and useful Fence, of which the following is a specification.

My invention relates to fences, and particularly to a stay for connecting the runners of a wire fence, the object in view being to provide a simple, inexpensive, and efficient combined tie and tension device for securing a stay or picket to the runners.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claim.

In the drawings, Figure 1 is a front view of a fence having stays secured to the runners by means of a tie constructed in accordance with my invention. Fig. 2 is a similar view showing a different form or stay secured in place by the improved tie.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The runners 1 are intersected by the stays or pickets 2, which may be constructed either of wood, as shown in Fig. 1, or of metal, as shown in Fig. 2, the same being secured in place by means of a tie 3, embodying my invention. This tie consists of a single blank of wire for each stay, and it extends continuously from the uppermost to the lowermost runner and is engaged with each runner at its point of intersection therewith by means of an integral coil 4, the intermediate portions of the tie between the securing coils or points of contact with the runners being arranged to cross the vertical plane of the stay, whereby said coils or points of contact with the runners are arranged alternately upon opposite sides of the stay. Hence, these intermediate or connecting portions 5 of the tire-wire form keepers which embrace the stay at intervals and serve to secure it firmly to the runners.

The form of coil which I prefer to employ at the points of intersection of the tie with the runners consists of a looped portion of the tie, which is wrapped one or more times around the runner, as shown clearly in the drawings, the eye 6 of which is formed at the extremity of the loop, providing a convenient hold for the engagement of a twisting-tool. Any desired tension of the tie-wire may be attained to insure the positive fastening of the picket to the runners, and any subsequent looseness caused by shrinkage or expansion of the parts may be taken up. This construction of tie gives an ornamental appearance to the stay and also adds to the strength thereof when constructed of wood, in addition to providing a strong and efficient attachment.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

In a fence, the combination with runners and an intersecting stay, of a tie constructed of a single blank of wire and intersecting each of the runners spanned by the stay, at a single point, said tie being provided at its point of intersection with each runner with an engaging coil consisting of a looped portion of the blank and having its intermediate portions between said coils extended diagonally across the vertical plane of the stay, whereby the points of engagement of the tie with the runners are located alternately upon opposite sides of the stay, substantially as specified.

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

THOMAS J. ANDRE.

Witnesses:
H. S. BASSETT,
HARRY PLANK.