T. M. DANIELS.

METALLIC FENCE.

APPLICATION FILED MAY 12, 1916.

1,236,150.

Patented Aug. 7, 1917.

Fig. 1.

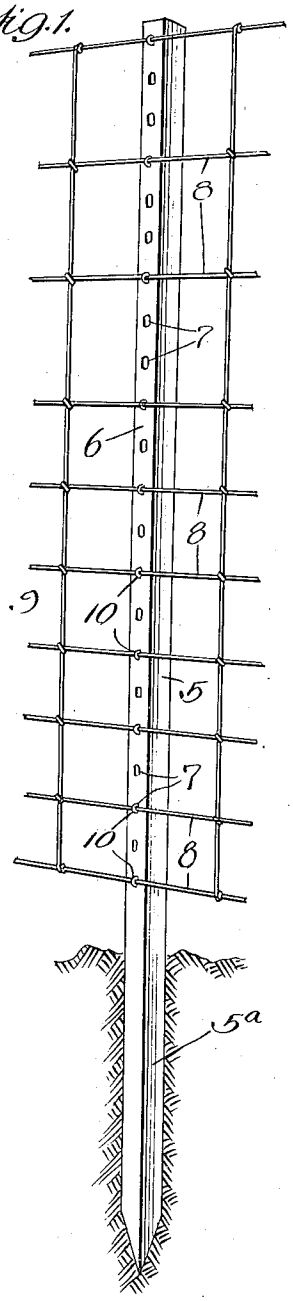


Fig. 2.

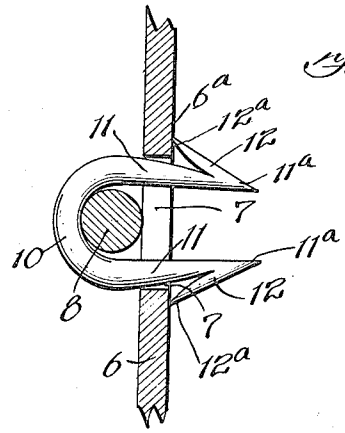


Fig. 3.

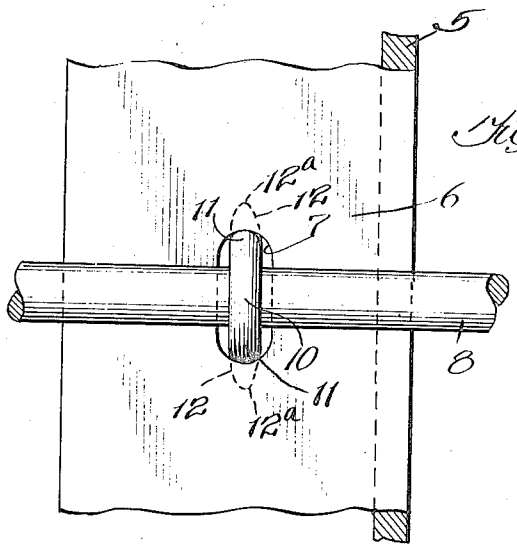
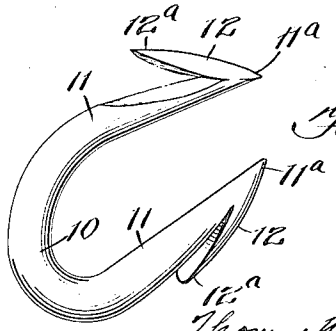


Fig. 4.



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METALLIC FENCE.

1,236,150. Specification of Letters Patent. Patented Aug. 7, 1917.

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To all whom it may concern:

Be it known that I, THOMAS M. DANIELS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Metallic Fences, of which the following is a full, clear, and exact specification, reference being had to the annexed drawing, forming part hereof.

My invention relates generally to metallic fencing, and has reference more particularly to devices for fastening the wire fence to metallic fence posts.

The main objects of my invention are the provision of a novel wire fastening device adapted to be driven into the face hole of the metal post and constructed to lock itself in said face hole whereby to positively maintain the wire against displacement from its position across the hole; and to produce a simple type of wire fastening device of this character designed for ready and cheap manufacture and for easy application during the assemblage of the component parts of the fence.

These, together with such other objects as may hereinafter appear, or are incident to my invention, I attain by means of the construction illustrated in preferred form in the accompanying drawing, wherein:—

Figure 1 represents a view in perspective of a metallic fencing to which my novel fastening device is applied;

Fig. 2 is an enlarged sectional view of a fragmentary portion of the fence post, illustrating the device when in operative wire holding position, and taken in the direction of the arrows 2, 2, of Fig. 1;

Fig. 3 represents a front elevation of Fig. 2; and

Fig. 4 is a perspective view of the fastening device.

Referring to the drawings, the numeral 5 indicates a steel fence post, preferably of angle-bar shape, whose lower end 5^a is designed to be driven into the ground. The front flange or wall 6 of the post is provided with punched holes 7 of elongated shape, across any desired number of which the horizontal wires 8 of the fencing 9 are stretched.

My invention resides more particularly in the fastening member illustrated more clearly in Figs. 2, 3 and 4. In the preferred construction shown this member is substantially of staple form, or U-shaped, and comprises a bent wire-engaging portion 10 within which the wire 8 seats, and spring arms 11 extending through and engaged in the hole 7, said arms terminating in rearwardly extending wedge-shaped flange projections 12 designed to engage portions of the rear face 6^a of the wall 6 adjacent the hole 7 when the member is operatively positioned.

The spring arms 11 of the fastening member are spaced apart in substantial parallelism in order to permit passage of the wire 8 therebetween to its seat, and in securing the seated wire in position across the hole 7 the pointed terminals 11^a are first inserted in the hole and the member then is driven inwardly by a suitable tool to occupy the position shown in Figs. 2 and 3. Since normally the distance between the diverging ends 12^a of the projections 12 is greater than the length of the elongated slot the projections spring inwardly on their arms in their passage through the hole and then outwardly, whereupon the said ends 12^a engage the rear face of the wall 6 and maintain the wire in the desired position.

I do not intend to restrict myself to the precise construction shown, as it is manifest that modifications thereof may be made without departing from the spirit and scope of my invention. I therefore reserve the right to all such modifications as properly fall within the scope of my invention and the terms of the following claims.

What I claim is:

1. The combination with an apertured supporting member adapted to support wire fencing and the like, of a metallic fastening staple comprising a U-shaped member adapted to be passed around the wire, the two limbs of said member being springy, and at least one of said limbs being provided with a rearwardly extending divergent springy locking projection located at the forward end thereof, whereby when the staple is driven into an aperture, the total amount of inward compression during the passage therethrough is distributed between the limbs and the projection.

2. The combination of an apertured supporting member adapted to support wire fencing and the like, and a metallic fastening staple comprising a U-shaped member, the two limbs of which are springy, each of said limbs being provided with a rearwardly extending divergent springy locking projection located at the forward end thereof,

whereby when the staple is driven into an aperture, the total amount of inward compression during the passage therethrough is distributed between the limbs and the locking projections.

3. The combination of an apertured supporting member adapted to support wire fencing and the like, and a metallic fastening staple comprising a U-shaped member, the two limbs of which are springy and tapered forwardly, the inner faces of said limbs however extending in substantially parallel planes, each of said limbs having struck up therefrom a rearwardly extending divergent springy locking projection located at the forward end thereof, whereby when the staple is driven into an aperture, the total amount of inward compression during the passage therethrough is distributed between the limbs and the projections.

In testimony whereof I have hereunto signed my name.

THOMAS M. DANIELS.