J. C. FORD.

FENCE WIRE FASTENER.

APPLICATION FILED MAY 18, 1916.

1,215,641.

Patented Feb. 13, 1917.

2 SHEETS—SHEET 1.

FIG. 1.

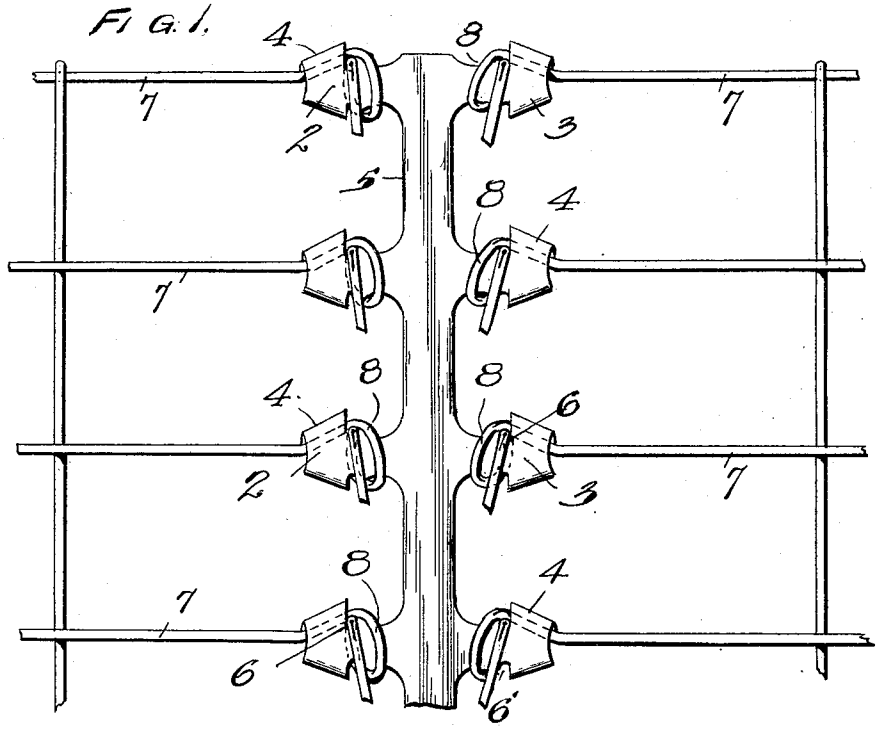


FIG. 2.

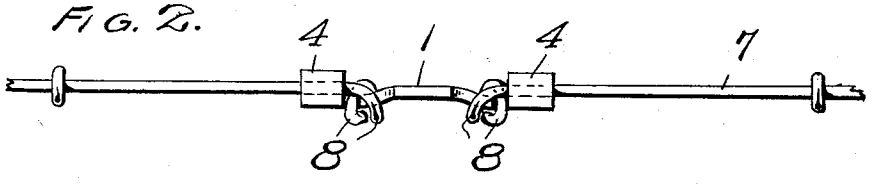


FIG. 3.

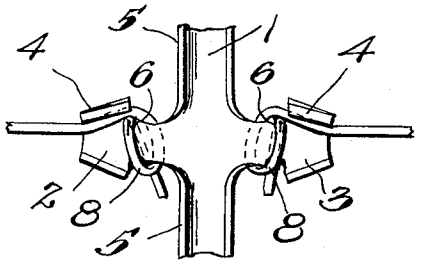
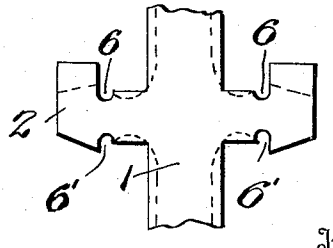


FIG. 4.



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2 SHEETS—SHEET 2.

FIG. 5.

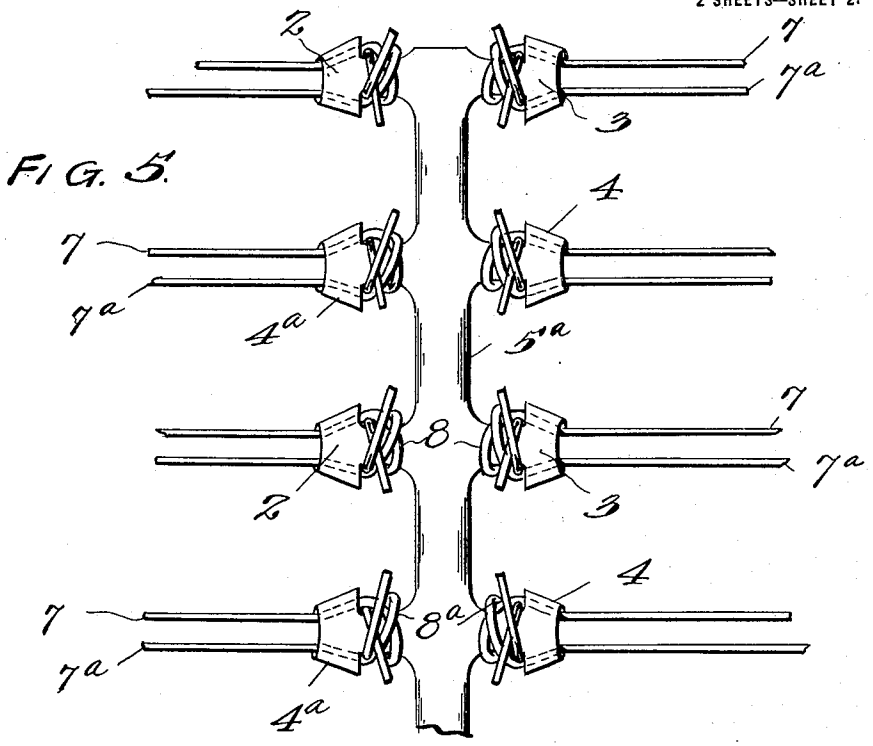
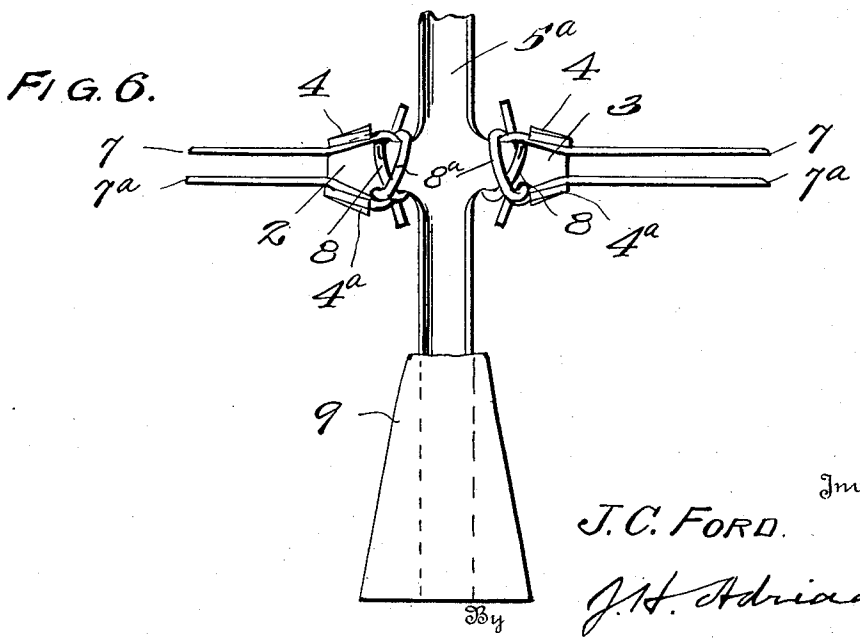


FIG. 6.



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JULIUS C. FORD, OF SUMMIT, MISSISSIPPI.

FENCE-WIRE FASTENER.

1,215,641. Specification of Letters Patent. Patented Feb. 13, 1917.

Application filed May 18, 1916. Serial No. 98,343.

To all whom it may concern:

Be it known that I, JULIUS C. FORD, a citizen of the United States, residing at Summit, in the county of Pike and State of Mississippi, have invented a new and useful Fence-Wire Fastener, of which the following is a specification.

My invention relates to improvements in fence wire fasteners in which provision is made for securely fastening wire to posts; and the objects of my improvement are first; to provide a device whereby the greater stress to which the wires are subjected secures the firmer joinder of the wire to the post; second; to provide a lock for the end of the wire by frictional contact only; third; to attain these objects with simplicity and economy.

I attain these objects by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is an elevation of a portion of the wire fastening device, projecting radially from a post, with the wires in normal, locked condition;

Fig. 2 is a top plan view of Fig. 1;

Fig. 3 is a view on the reverse side of Fig. 1 of the fastener;

Fig. 4 is a plan view of the blank from which the fastener is formed, dotted lines showing the form assumed after flanging the blank;

Fig. 5 is a similar view to Fig. 1, showing two wires attached to the fastener, instead of one; also called "mesh wires"; and

Fig. 6 is a reverse view of Fig. 5 showing the use of the fastener additionally as a post.

Similar numerals indicate corresponding parts throughout the views.

The fastening device 1, has radiating therefrom arms whereby the ends of adjacent wires are secured thereto, consisting of antipodal arms 2 and 3, formed as shown, having recesses 6 and 6′, respectively on the upper and lower surfaces thereof, in which the ends of the wires rest, so that the greater the force or stress the wires are subject to, the more firmly the frictional contact between the termini of the wires and the notches is established. Flanges 4 are formed by upsetting the edges of the fasteners so as to guide and hold the wires to the recesses 6 6′. The body of the fastener is flanged at 5, to increase its stability and effectiveness. The ends of the wires 7 are passed under the flanges 4 and wrapped around the device so that the terminal loops 8 will rest in the recesses 6 6′, as shown in Fig. 1. When mesh wires are used, as shown in Fig. 5, the loops 8 8^a are formed by passing under flanges 4 4^a and wrapped around each other. Modifications of this device may be adopted without departure from the principles of my invention.

Fence wires ordinarily come in rolls of 110 yards, or 330 feet, and the fastening device, herein shown and described is intended to join contiguous ends so that when one roll is ended and the next roll begins, effective joinder of these ends can be secured. If, at this point of junction, the ordinary space allowed between fence posts is met by the fastener, its duplex function of serving as a substitute for a post may be availed of. In such event the body of the fastener 1 rests in a concrete base 9 planted in the ground.

The operation of my device is as follows: The body 1 of the fastening device made of steel has radial arms 2, 3, so that the ends of contiguous wires may be passed under flanges 4 wrapped around the arms 2, 3 and engage the recesses 6 6′ wherein they are maintained by frictional contact. The size of the fasteners varies with the size of the wires.

Having thus fully described my invention, what I claim is:

A device for connecting contiguous ends of adjacent wires, consisting of a bar having lateral extended arms, the free ends of each of said arms having laterally disposed hooks; fence strands engaging said hooks and coiled about said arms; the free end of each of said coils engaging one of said notches beneath the coil, for the purpose set forth.

J. C. FORD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."