

(No Model.)

E. R. MATTESON.
BARBED WIRE FOR FENCES.

No. 330,993.

Patented Nov. 24, 1885.

Fig. 1.



Fig. 2.

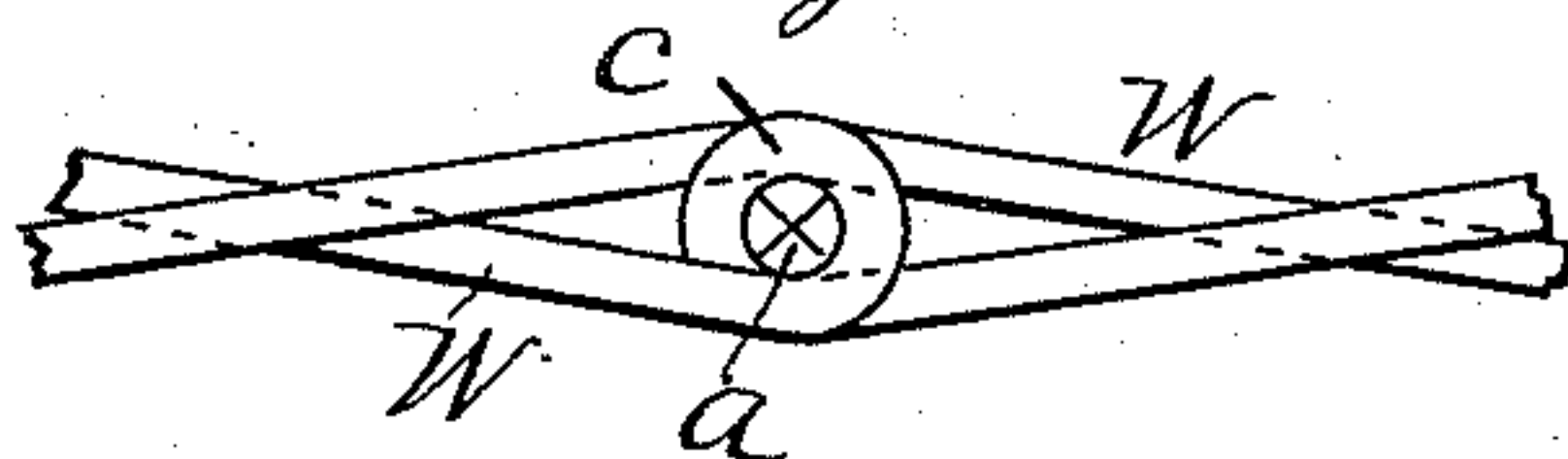


Fig. 3.



Witnesses.

Thos H. Hutchins,

Wm J. Hutchins,

Inventor.

Eugene R. Matteson.

UNITED STATES PATENT OFFICE.

EUGENE R. MATTESON, OF JOLIET, ILLINOIS, ASSIGNOR TO WILLIAM H. HUNTER AND ROSE E. MATTESON, BOTH OF SAME PLACE.

BARBED WIRE FOR FENCES.

SPECIFICATION forming part of Letters Patent No. 330,993, dated November 24, 1885.

Application filed September 25, 1884. Serial No. 143,963. (No model.)

To all whom it may concern:

Be it known that I, EUGENE R. MATTESON, a citizen of the United States of America, residing at Joliet, in the county of Will and State of Illinois, have invented certain new and useful Improvements in Barbed Wires for Fences, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a perspective view; Fig. 2, a side view, and Fig. 3 a side view of a barb detached from the strand-wires.

This invention relates to certain improvements in barbed wires for fences, in that class where two strand-wires are used and the barb formed of a piece of wire pointed at each end so as to present points or prods in two directions at right angles with the strand-wires, forming what is known as a "two-pointed double-strand barbed wire."

My improvement consists in the peculiar and particular manner in which the strand-wires are applied and attached to the barb, so that when the strand-wires chance to be bent at the place where they are coiled on the barb the coils will not open and permit the barb to drop out.

Referring to the drawings, W W represent the two strand-wires. The barb is shown at *a*, and is formed of a short piece of wire cut off in a diagonal manner at each end to furnish it with points, and is also provided with a central crimp, D, which, when the barb is in place on the strand-wires, prevents it from falling out.

In order to attach the strand-wires to the barb, each strand-wire is coiled at least once around the barb, one on either side of the central crimp, D, of the barb, as shown in Fig. 1; but the coils of the strand-wires are formed in opposite directions from each other, and not in the same direction, as has heretofore been done. After the strand-wires are thus attached to the barb a side view of the finished barbed wire appears, as shown in Fig. 2.

The advantages gained by coiling the strand-wires on the barb in opposite directions, instead of in the same direction, is that in the case where they are coiled on the barb in the

same direction a backward bend of the strand-wires at the coils will open the coils so that the barbs will drop out, which will occur when the strand-wires are coiled on a spool, or kink up in handling when being placed on the fence, and in various other ways. The moment a barb drops out a strain on the strands will contract the coils torsionally, and they will invariably break.

The improvement in this case is, as shown—that is, in coiling the strand-wires on the barb in opposite directions. When thus coiled on the barbs, one coil on a strand-wire will act as a brace against the coil in its fellow strand-wire, so that the strand-wires under any ordinary circumstances cannot be bent in either direction at their coils, so as to open the coils and permit a barb to drop out. If one coil should open, the other will be contracted to have a tighter grasp on the barb; but both coils cannot be opened at the same time, as in the case where the coils are in the same direction, for a backward bend on the coils in such case lets the barb drop out by opening the coils, and renders the fence worthless. The strands W may be twisted together between the barbs, if desired.

I am aware that a barb formed from a short piece of pointed wire has been used and held in place by a pair of strand-wires, both being coiled thereon in the same direction at or near the center of the barb; but I am not aware that such a barb has been held in place by means of the two-strand wires coiled thereon in opposite directions, as set forth.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is as follows, to wit:

As an improvement in barbed wire for fences, the combination of the barb *a*, having the central crimp, D, with the two strand-wires W W, the said strand-wires being attached to said barb by being coiled thereon, one on either side of said crimp, in opposite directions from each other, in the manner and for the purpose set forth.

EUGENE R. MATTESON.

Witnesses:

THOS. H. HUTCHINS,
WM. J. HUTCHINS.