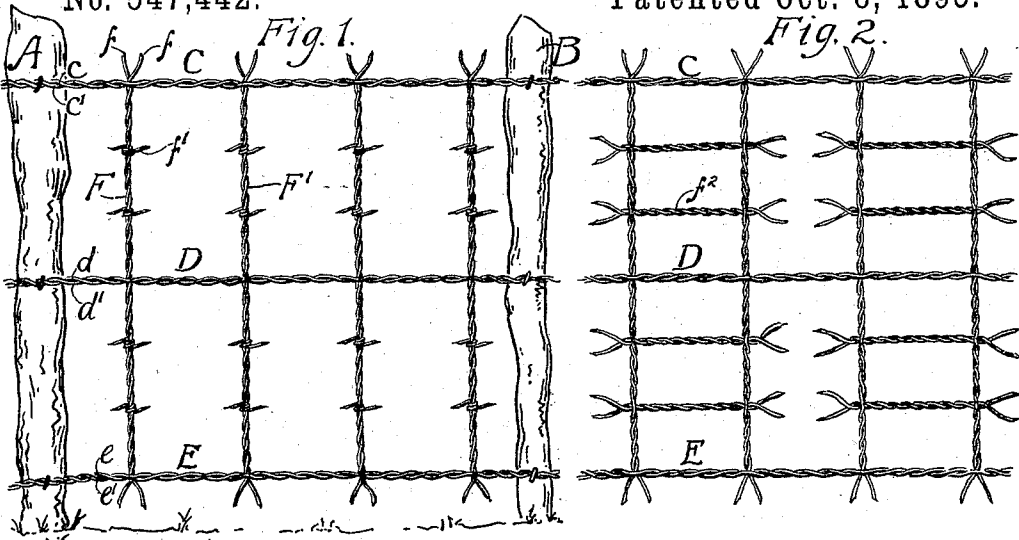


(No Model.)

E. F. MADDEN.
BARBED FABRIC.

No. 547,442.

Patented Oct. 8, 1895.



Witnesses
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BARBED FABRIC.

SPECIFICATION forming part of Letters Patent No. 547,442, dated October 8, 1895.

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To all whom it may concern:

Be it known that I, EDWARD F. MADDEN, a citizen of the United States, residing at Hays City, in the county of Ellis and State of Kansas, have invented certain new and useful Improvements in Barbed Fences; and I do hereby declare that the following is a full, clear, and exact description thereof, such as will enable others to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

My invention consists in the novel construction and combination of parts such as will be first fully described, and specifically pointed out in the claim.

In the drawings, Figure 1 is a front view of the improved picket-fence, showing the supporting-cables in a single fence-panel and the barbed pickets interwoven between the separate strands of the separate cables. Fig. 2 is a detail view of the fence-panel of the picket-fence, showing the separate and adjacent pickets connected in pairs by pronged steps.

Similar letters of reference indicate corresponding parts in both figures.

In carrying out my invention and referring to the drawings, A B represent the fence-posts, which are arranged the usual distance apart.

C, D, and E represent separate cables arranged in a parallel position and which together form a single fence-panel. Said cables C D E are attached at their respective ends to the fence-posts A and B in the usual manner. The cable C is composed of separate strands $c c'$, preferably of heavy wire, and which may be galvanized, if preferred. The other cables D and E are each composed of separate strands $d d'$ $e e'$, as in the cable C. These cables are arranged at nearly equal distances apart, the cable C being attached to and near the upper ends of the respective fence-posts A B, and the cable E near the lower ends of said posts, the cable D being arranged in an intermediate position. The picket F is composed, preferably, of two strands of wire $f f'$, twisted together and provided with barbs f' and known as barbed wire. The picket between may be of a single strand or metal strip, provided with barbs, if preferred. The said barbed wire composing

said picket is made of a suitable length to extend in a vertical direction from the cable C to the cable E, and at short distances above and below the respective cables. One end of the barbed-wire picket F is inserted between the strands $c c'$ of the cable C, then between the separate strands $d d'$ of the cable D, and thence between the separate strands $e e'$ of the cable E, one end of the picket extending above the cable C a short distance and the other end a short distance below the cable E. The other pickets $F' F'$ in the fence-panel are inserted between the separate strands of the separate cable in the same manner as the picket F and arranged at suitable distances apart from each other in the panel. The pickets F may be inserted between the separate strands of the cables after the cables are connected with the fence-posts or during the making of a portable fence and in the making of the fence-panels, and in this construction the number of the cables may increase in number. As soon as the pickets are in position, the separate strands at each end are spread apart, as in Fig. 1, and thus contributing to the utility of the pickets. The separate pickets are bound together in pairs (see Fig. 2) by steps composed of short portions of twisted wire f^2 , extending from one picket in a horizontal direction to an adjacent picket and intertwined between the separate strands of the wires composing the picket, and at each end of said portion of twisted wires f^2 the separate wires are spread apart, so as to form prongs. A number of the portions of wire similar to the portion f^2 are arranged as close in position as desired, the prongs serving to guard the space between the pickets. The separate panels of wire are arranged between the cables C and D and also between the cables D and E, composing the fence-panel, and their other end spread apart in the same manner as the pickets.

Instead of securing the pickets F between the separate strands of the fence-cables, the pickets may be placed against the separate cables C D E and a small piece of wire of the requisite length twisted around the cable C and also extended over the separate pickets, the operation being the same over the pickets at the point of contact with the other cables.

Having fully described my invention, what

I now claim as new, and desire to secure by Letters Patent, is—

In a wire fence a fence panel consisting of separate longitudinal wire cables and trans-verse fence pickets each picket being composed of separate wires twisted together and steps in each pair of said pickets in said panel composed of portions of twisted wire having branched prongs at each end and arranged parallel in position with the said cables and

clamped at one end between the separate wires composing one picket and between the separate wires of an adjacent picket at the other end, substantially as shown and described.

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