A. S. BURNELL.

BARBED WIRE-FENCE.

No. 192,225. Patented June 19, 1877.

Fig. 1

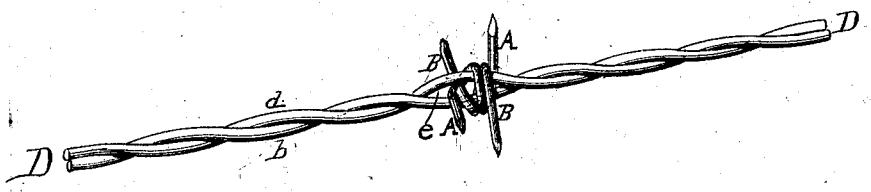


Fig. 2.

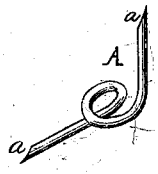
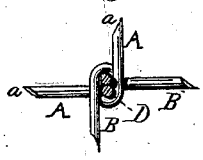


Fig. 3.



Witnesses
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Inventor
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By Cox and Cox
his attys.

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UNITED STATES PATENT OFFICE.

ARTHUR S. BURNELL, OF MARSHALLTOWN, IOWA.

IMPROVEMENT IN BARBED-WIRE FENCES.

Specification forming part of Letters Patent No. **192,225**, dated June 19, 1877; application filed May 25, 1877.

To all whom it may concern:

Be it known that I, ARTHUR S. BURNELL, of Marshalltown, in the county of Marshall and State of Iowa, have invented a new and useful Improvement in Barbed-Wire Fences, of which the following is a specification, reference being had to the accompanying drawings.

The invention relates to an improved barbed-wire fence, which is constructed in the manner hereinafter fully set forth.

The object of the invention is to provide a wire cable or skein having immovable barbs, which serve to bind the wires of the skein together, and have their points projecting at right angles from the skein, to which their central portions are attached.

Figure 1 is a perspective view of a device embodying the elements of the invention. Fig. 2 is a detached view of one of the prongs. Fig. 3 is an end view, showing the prongs in position.

In the accompanying drawings, A represents a prong or piece of wire, the ends *a* of which are sharpened in any suitable manner. B represents a similar prong of wire, similarly sharpened, but lettered differently for convenience of illustration. D represents a skein or cable formed of the two wires *b* and *d*, twisted about each other, which are alike in all respects, but lettered, as above stated, for convenience of illustration.

The device is constructed as follows: The wires *b* and *d* of the cable D are separated so as to form a loop or aperture, *e*, and through this is passed one end of the prong A, the point projecting beyond the cable a proper distance, the prong lying in close relation to the wire *b*. The prong B is now inserted through the loop *e*, and between the prong A and wire *d*. The central part of the prong A is then bent downward over the prong B around and below the wire *d*, thence upward over the wire *b*, thence downward about the last-named wire, thus forming a tie that prevents the opening of the loop *e* and at the same time binds the prong B in place. The remaining part of the prong is bent outward to stand at right angles to the other end of the prong. The prong B is then bent upward over the prong A, around and above the wire *b*, then downward around the wire *d*, its remaining part being bent outward to stand at right angles to its other end. Thus it serves to bind the prong A in place and prevent the expansion of the loop. In binding the central portions of the prongs, the coils are so separated as to permit one to lie between the other, as shown.

It is manifest that the above construction provides a four-point barb, which is immovably affixed to the cable, and which cannot be either rotated or moved laterally thereon.

What I claim as my invention, and desire to secure by Letters Patent, is—

A barb for double-strand cable-wire fences composed of two pointed pieces of wire, each of which passes over a strand of the cable, thence between its strands, and reciprocally binds the other wire to the strand of the cable, wherefrom the points of the wires project as from a center, substantially as set forth.

In testimony that I claim the foregoing improvement in barbed-wire fences, as above described, I have hereunto set my hand this 17th day of May, 1877.

ARTHUR S. BURNELL.

Witnesses:

R. E. SEARS,

JOEL S. EDWARDS.