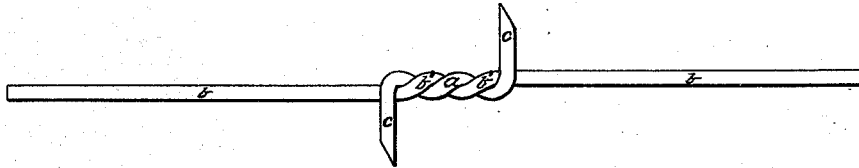


M. M. MACK.  
Barbed Fence-Wire.

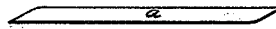
No. 162,835.

Patented May 4, 1875.

*Fig. 1.*



*Fig. 2.*



WITNESSES

*Mary S. Utley.*  
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INVENTOR,

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# UNITED STATES PATENT OFFICE.

MARTIN M. MACK, OF BELVIDERE, ILLINOIS.

## IMPROVEMENT IN BARBED FENCE-WIRE.

Specification forming part of Letters Patent No. **162,835**, dated May 4, 1875; application filed March 27, 1875.

*To all whom it may concern :*

Be it known that I, MARTIN M. MACK, of Belvidere, in the county of Boone and State of Illinois, have invented a new and valuable Improvement in Barbed Fence-Wire; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a plan view of my improved barbed fence-wire, and Fig. 2 a detail view of the barb.

My invention relates to improvements in barbed fence-wire; and it consists in the employment of a single wire provided at intervals with spiral twists, into which are spirally-intertwisted barbs, having their ends bent outwardly at right angles to the fence, as will be hereinafter more fully set forth.

In the accompanying drawings, *b* represents a fence-wire, which, by the aid of suitable mechanism, is twisted spirally at intervals, as

shown at *b'* in Fig. 1. *a* is the barb, of convenient length, pointed at its ends, and inter-twisted into the spiral twists of the wire *b*. The pointed ends *c* of the barb *a*, are then turned outward at right angles to the wire *b*, as shown in the drawings.

By this construction it will be seen that all movement of the barb on the wire is effectually prevented, and at the same time the barbs can be readily applied to or removed from the single wire.

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

As an improvement in barbed fence-wire, the single wire *b*, provided at intervals with spiral twists, into which are spirally-intertwisted the barbs *a*, having their ends turned outward at right angles to the fence, substantially as specified.

MARTIN M. MACK.

Witnesses :

GEO. E. UPHAM,  
JOHN B. CORLISS.