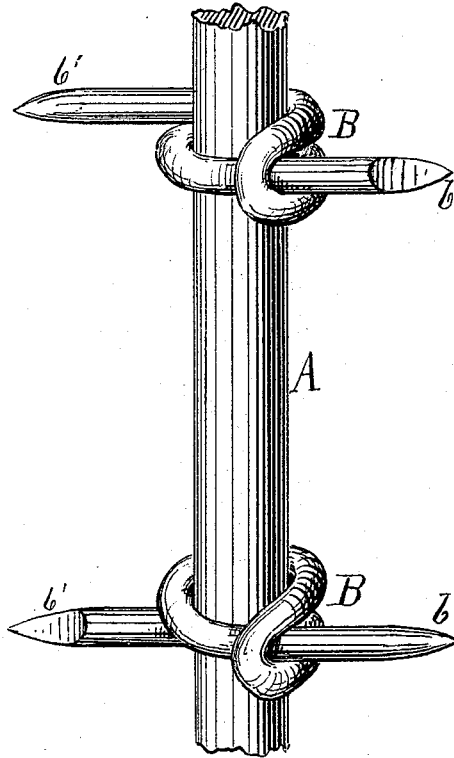


O. O. KITTLESON.
BARBED FENCE-WIRE.

No. 189,047.

Patented April 3, 1877.

Fig. 1.



Witnesses
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UNITED STATES PATENT OFFICE

OLE O. KITTLESON, OF MILAN TOWNSHIP, DE KALB COUNTY, ILLINOIS.

IMPROVEMENT IN BARBED FENCE-WIRE.

Specification forming part of Letters Patent No. **189,047**, dated April 3, 1877; application filed August 21, 1876.

To all whom it may concern:

Be it known that I, OLE O. KITTLESON, of the township of Milan, in the county of De Kalb and State of Illinois, have invented a new and Improved Barbed Fence-Wire, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing.

This invention relates to an improved mode of attaching wire barbs to a fence-wire, as is fully hereinafter described.

In the drawing the figure represents an enlarged perspective view of a piece of fence-wire with my barbs attached.

A is a piece of fence-wire, and B B the barbs attached thereto. In forming these barbs I first cut the barb-wire into pieces of the required lengths, being careful, however, to make the cuts diagonal to the axis of the wire, to get sharp-pointed ends *b b'*. Now, with a pair of pinchers I hold end *b*, while, by means of another pair of pinchers, I twist the barb-wire once around the wire A, until the

ends *b* and *b'* cross each other, after which, by twisting the end *b'* around the end *b* one half of a revolution, and stretching said ends *b* and *b'* simultaneously in opposite directions, I form a bight, and the barb is then secured. These barbs may also be formed and twisted, with their bights expanded, by machinery, to allow of their being put upon the fence-wire, and afterward tightened, by means of a tool made especially for that purpose.

What I claim as my invention is—

The combination, with the fence-wire A, of the wire-barb B *b b'*, attached to the fence-wire by forming a bight in said barb *b* around the said fence-wire, and returning the point *b* through said bight on the opposite side of the fence-wire, so that the points *b b'* project, as shown and described.

OLE O. KITTLESON.

Witnesses:

THOM ERECKSON, Jr.,
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