

J. F. GLIDDEN.
BARBED FENCE WIRE.

No. 181,433.

Patented Aug. 22, 1876.

Fig. 1

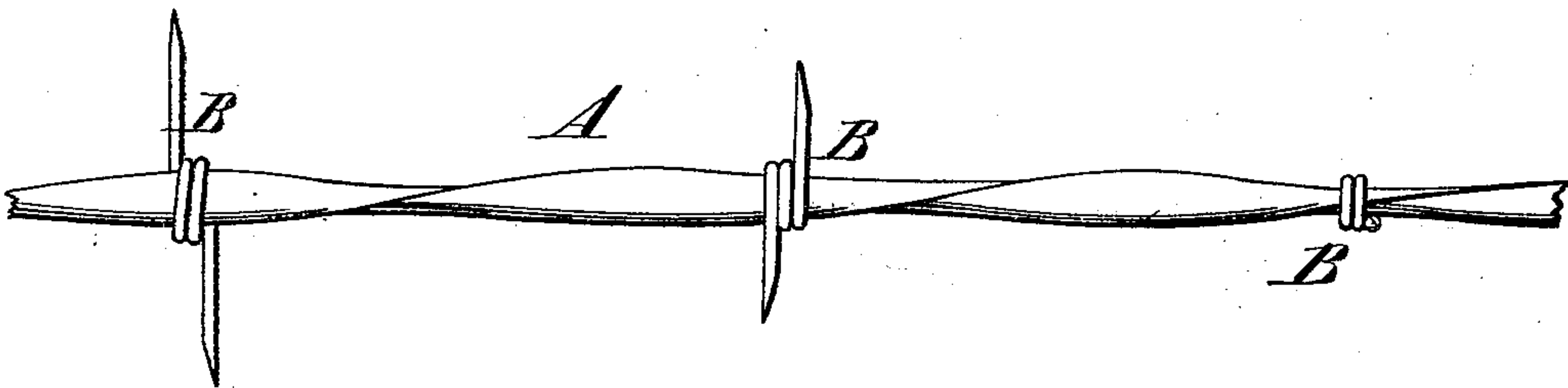
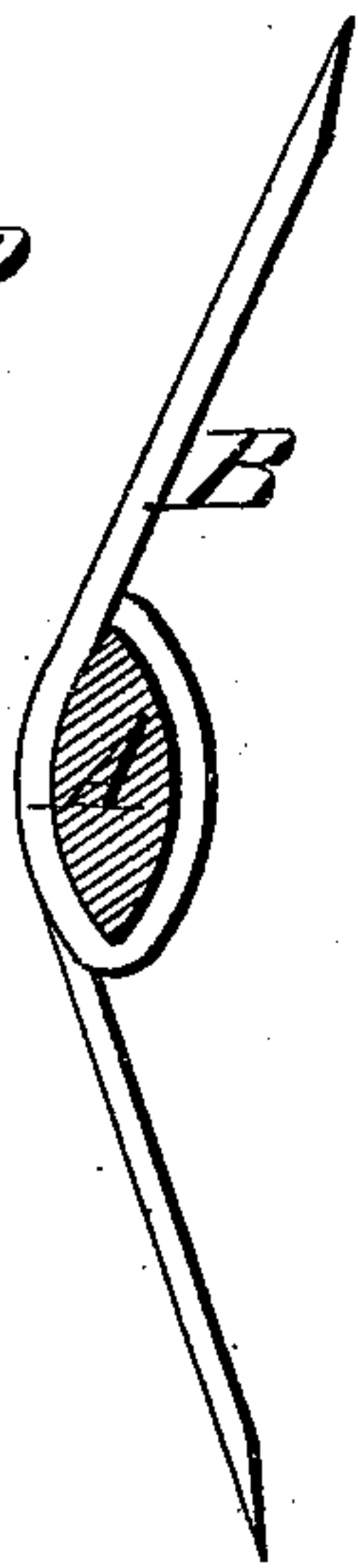


Fig. 2



WITNESSES

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JOSEPH F. GLIDDEN, OF DE KALB, ILLINOIS.

IMPROVEMENT IN BARBED FENCE-WIRE.

Specification forming part of Letters Patent No. **181,433**, dated August 22, 1876; application filed January 26, 1876.

To all whom it may concern:

Be it known that I, JOSEPH F. GLIDDEN, of De Kalb, in the county of De Kalb and State of Illinois, have invented a new and valuable Improvement in Barb-Fences; 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 representation of a plan view of my wire and barb, and Fig. 2 is a transverse sectional view thereof.

My invention relates to that class of wire fences which are provided with barbs or spurs; and it consists in the construction of an oval-shaped wire, twisted in such a manner as to provide convenient and effective means for holding rigidly a coiled wire barb, as herein-after described and claimed.

A of the drawing represents a fence-wire having oval or rounded sides and beveled edges, as shown on Fig. 2. To this wire I attach coiled wire barbs at such distances apart as may be desirable, but preferably about four inches from each other. Next twist the oval wire in such a manner that it will present the points or spurs of the coiled wire alternately at right angles with each other, as shown on Fig. 1.

It is not absolutely necessary that the coiled wire barbs shall be attached so that they shall be sustained exactly at right angles with each other, but it is desirable that they be so arranged, for by so doing one-half of the coils will have their barbs arranged at right angles with the line of the fence, while the other half

will have their barbs point up and down, thereby providing against side pressure upon the wires, and also against separation or strain upon the wire by animals who may attempt to crowd between them.

It is obvious that the oval form of the wire, together with the twisted shape I give it, will hold the coiled wire barbs in position with great rigidity, and secure them in the position required without the necessity of clamping or soldering. My coiled wire barbs are represented by the letter B of the drawing.

By coiling the barb around an oval, longitudinal wire, all rotary movement of the former is prevented, and by then twisting the oval wire all longitudinal movement of the barb along the wire is prevented by the helices of the twisted wire, which form shoulders or obstructions, while at the same time the angle of the pointed ends of the barb with the fence-wire can be varied at pleasure.

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

1. The combination, with a twisted fence-wire, elongated in cross-section, of a coiled barb, substantially as and for the purpose set forth.

2. The combination, with the oval and twisted wire A, of the coiled and barbed wire B, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOSEPH F. GLIDDEN.

Witnesses:

JOHN F. ACKER,

EUGENE W. JOHNSON.