

(Model.)

A. GUNDERSON.  
BARBED WIRE FENCE.

No. 286,130

Patented Oct. 2, 1883.

Fig. 1.

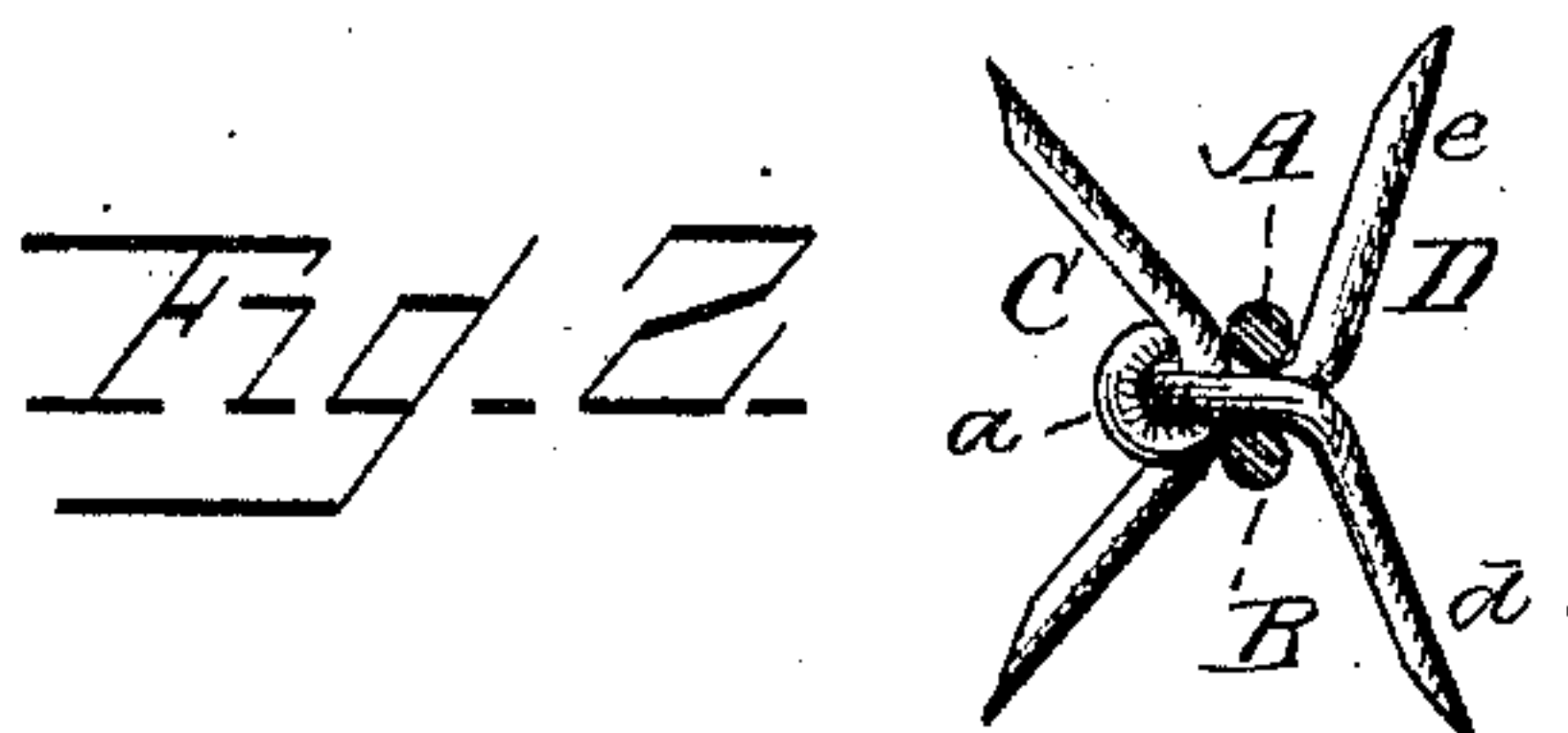
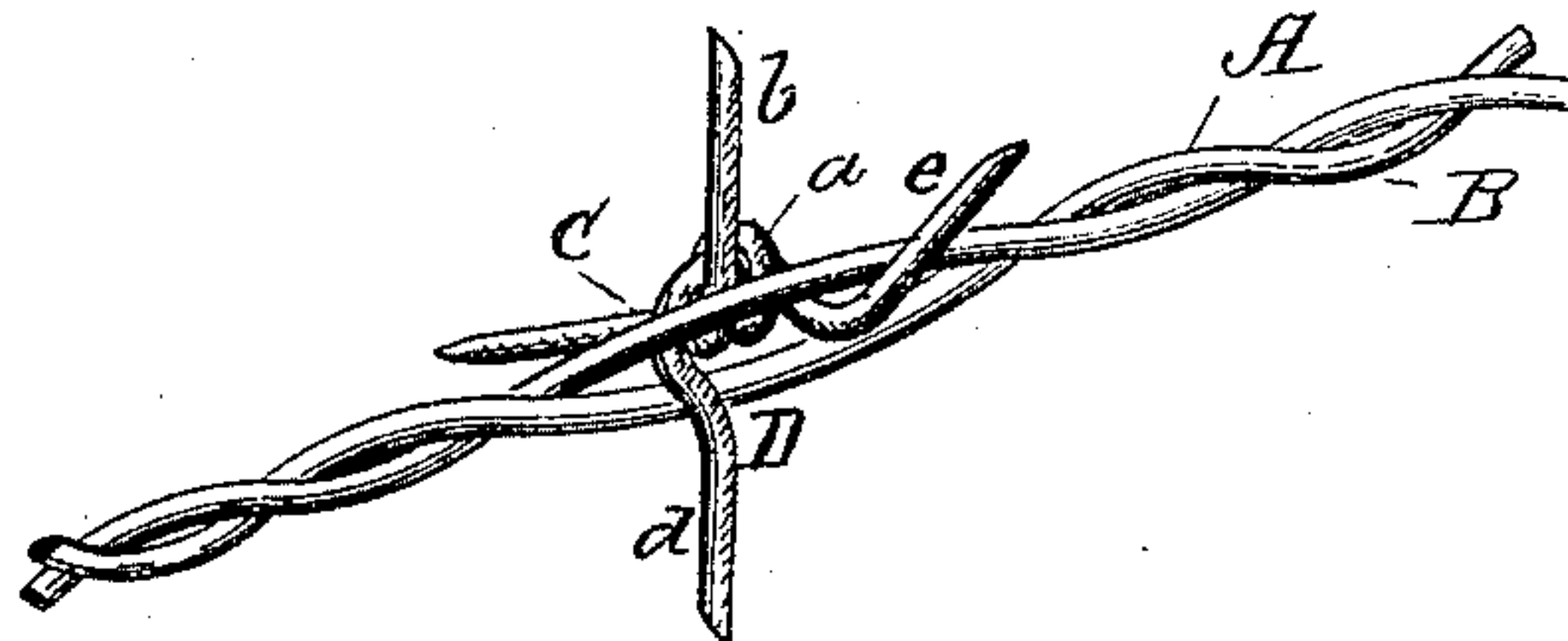


Fig. 3.

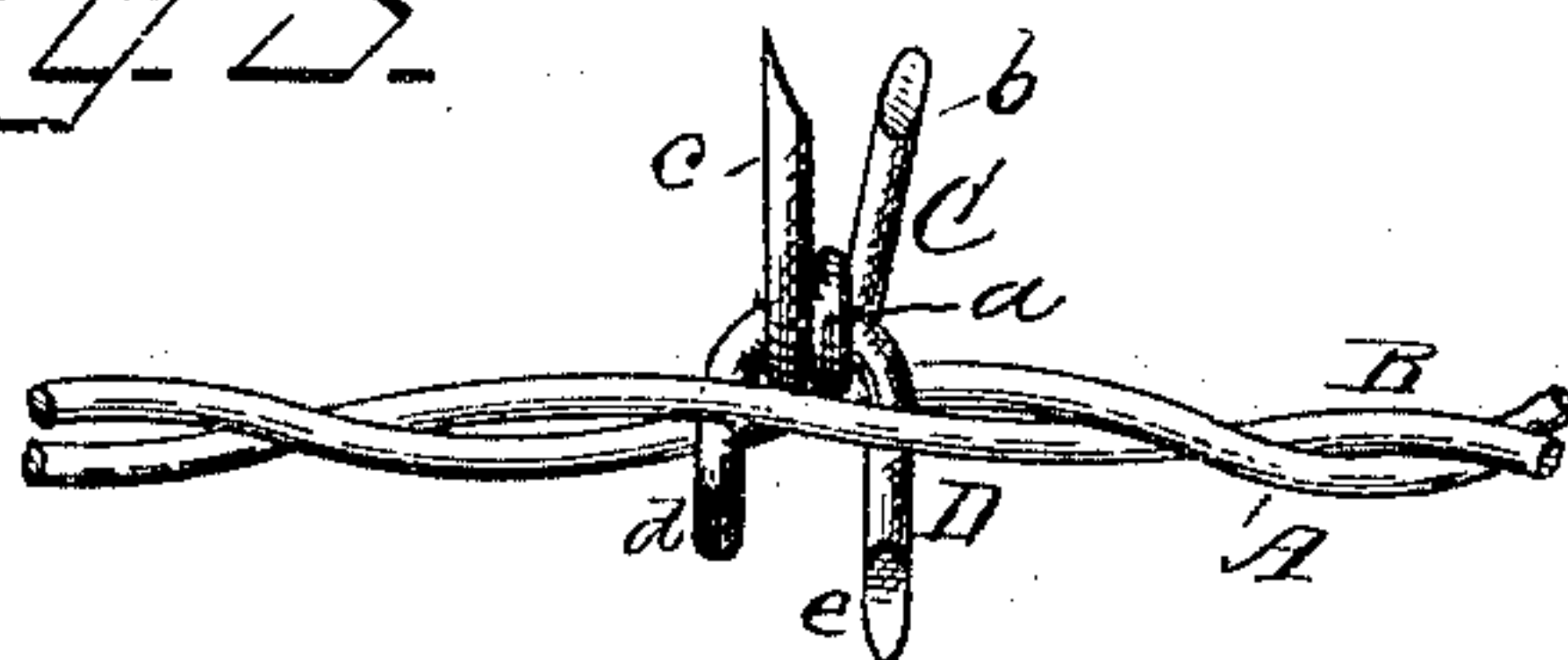
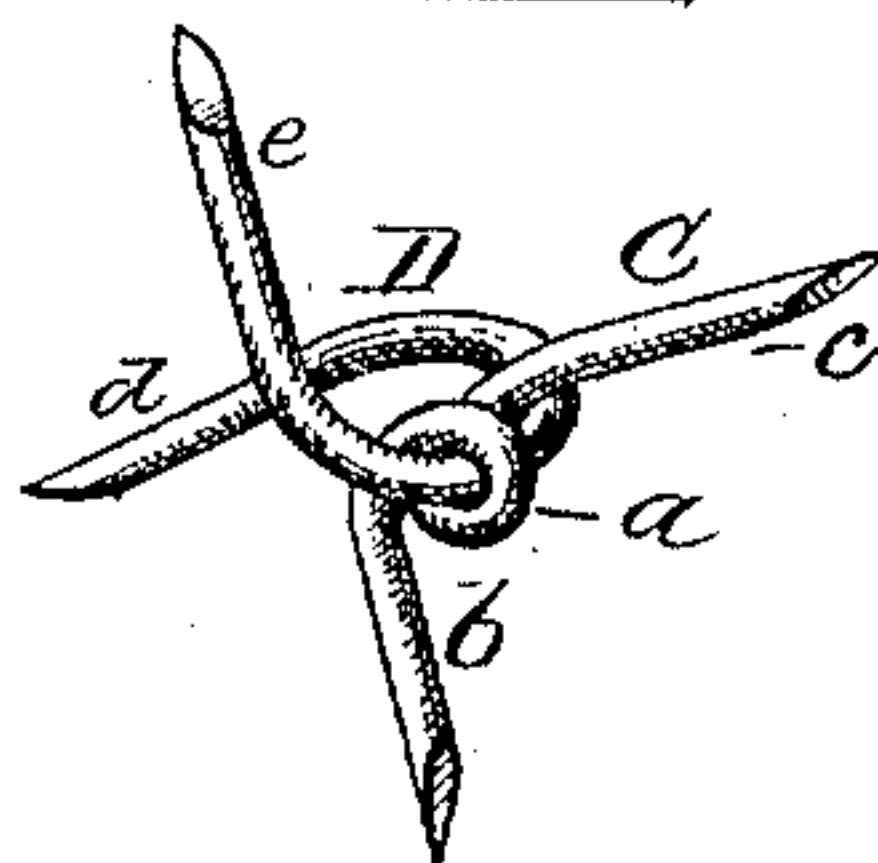


Fig. 4.



WITNESSES  
*F. L. Ourand.*  
*W. E. Oliphant.*

INVENTOR  
*Albert Gunderson.*  
*per Cha. H. Fowler.*  
Attorney

# UNITED STATES PATENT OFFICE.

ALBERT GUNDERSON, OF SHABBONA, ILLINOIS, ASSIGNOR TO WASHBURN & MOEN MANUFACTURING COMPANY, OF WORCESTER, MASS., AND I. L. ELLWOOD, OF DE KALB, ILL.

## BARBED-WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 286,100, dated October 2, 1883.

Application filed November 9, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, ALBERT GUNDERSON, a citizen of the United States, residing at Shabbona, in the county of De Kalb and State of Illinois, have invented certain new and useful Improvements in Barbed-Wire Fences; and I do hereby declare that the following is a full, clear, and exact description 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 perspective view of my invention; Fig. 2, an end view thereof with the strands of the fence-wire in section. Fig. 3 is a side elevation of Fig. 1, and Fig. 4 a detail view of the four-pointed barb.

The present invention has relation to that class of four-pointed barbed fence-wires in which the barb is held between the twisted strands, instead of being bent around them.

Previous to my invention the above-mentioned class of barbed fence-wires were formed by taking two sections or pieces of wire, each bent around and interlocked with the other in such manner as to form a central neck with two shoulders, between which the two strands of the twisted fence-wire lie to retain the barb in position thereon. The four prongs of the barb, when constructed as above set forth, would be on the same plane, and not radial or at an angle with each other. To have these prongs of a four-pointed barb project radially or at an angle to each other, and at the same time hold the barb thus constructed between the twisted strands in a firm and secure manner, is the object of my invention, and which is attained by simply twisting one of the sections or pieces of wire forming the bar so as to form an eye, and passing the other section or piece through it and bending the four prongs in a peculiar manner, so that they will all project radially, as shown in the drawings, hereinafter described and claimed.

In the accompanying drawings, A B represent the two wire strands, twisted together in the usual manner, and between which the four-

pointed barbs are held. These barbs consist of two sections of wire, C D, bent and connected together in the following manner: The section C is bent at a point near its middle to form an eye, *a*, the prongs *b c* thereof being bent at an angle with each other, as shown in Figs. 2 and 4. The section D is passed through the eye *a* of the section C, and its prongs *d e* are bent outward at angles and in opposite directions, as shown more clearly in Fig. 2, the prongs being placed, as the barbs come from the machine, between the strands A B, after which the strands are twisted together against the prongs *d e* to hold the barb in place. The sections C D are bent in such shape that the barb will hold itself securely in place without the necessity of wrapping the barb around either of the strands or forming a central neck and shoulder to hold the barb in place thereon, as heretofore, thus enabling the barbs constructed in accordance with my invention to be manufactured by machinery at a much less cost, and more readily attached and secured to the wire strands, while the prongs project radially, and not on the same plane.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a barbed fence-wire, the combination, with the twisted strands thereof, of the barb-sections C D, the former being bent at or near its middle to form the eye *a*, and having its prongs *b c* bent at an angle, as shown, and the latter section passed through said eye and between the twisted strands and bent outward at an angle, whereby both barb-sections are securely held on the strands without bending them around the same, substantially as and for the purpose set forth.

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

ALBERT GUNDERSON.

Witnesses:

THOMAS J. MULLINS,  
M. WHEELER.