

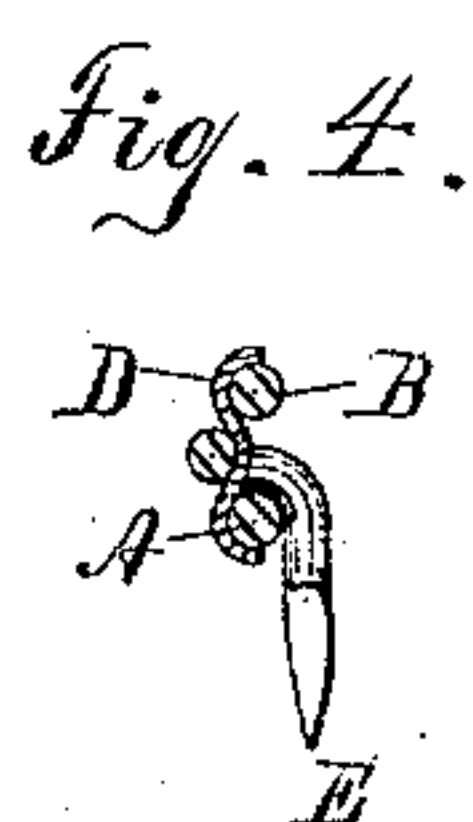
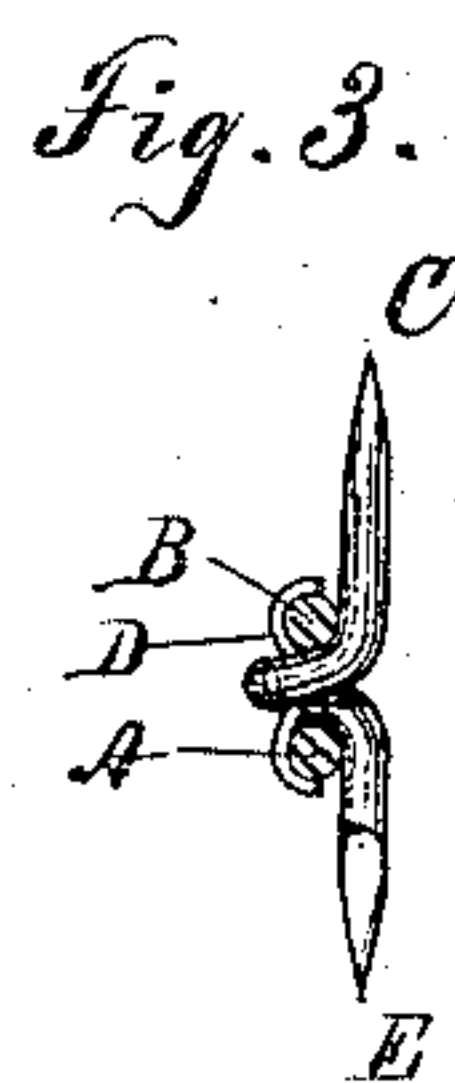
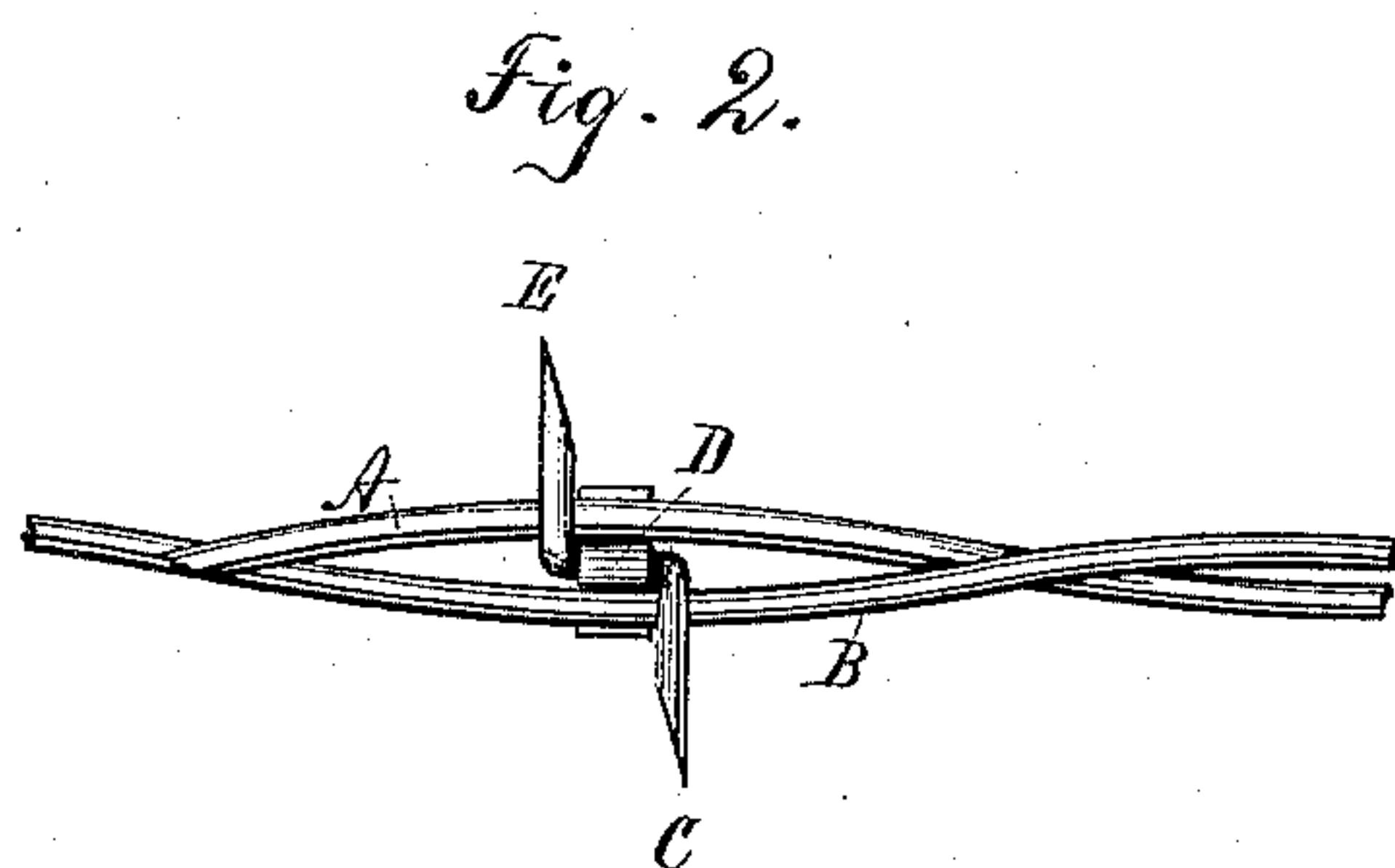
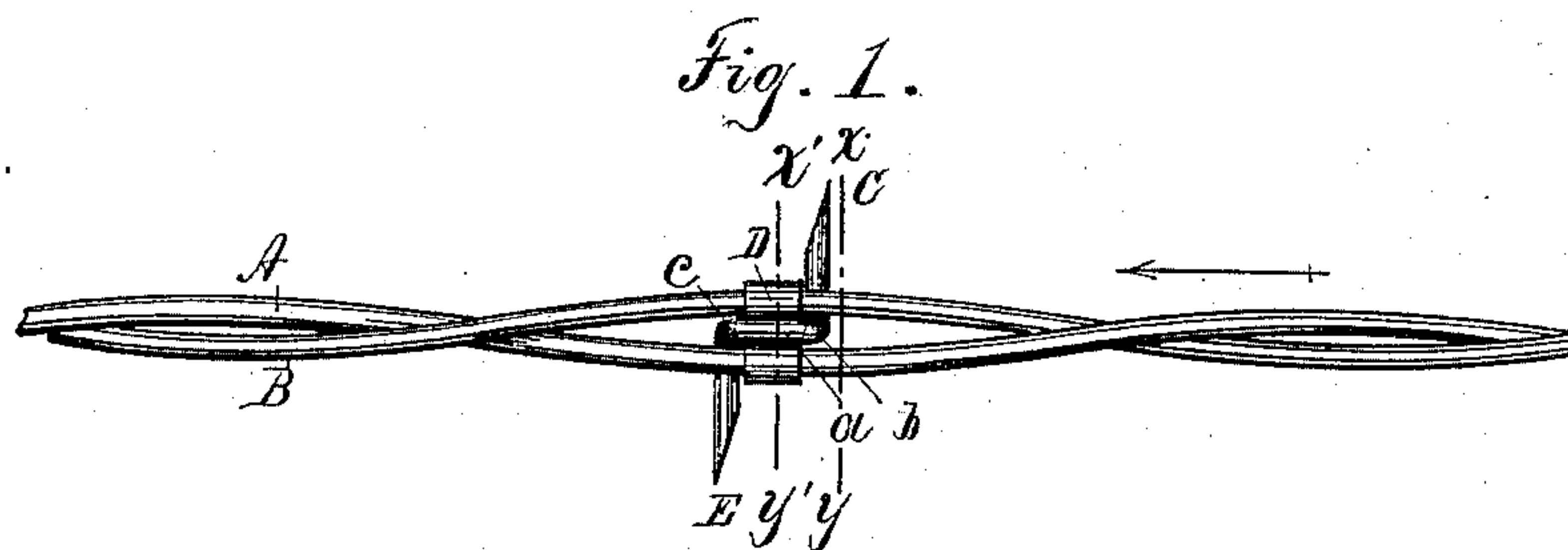
(No Model.)

F. W. BRAINERD.

BARBED FENCING.

No. 314,512.

Patented Mar. 24, 1885.



WITNESSES:

*J. F. Brain*  
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# UNITED STATES PATENT OFFICE.

FRANK W. BRAINERD, OF CHICAGO, ILLINOIS.

## BARBED FENCING.

SPECIFICATION forming part of Letters Patent No. 314,512, dated March 24, 1885.

Application filed April 5, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK W. BRAINERD, a resident of Chicago, in the county of Cook and State of Illinois, have invented certain  
5 new and useful Improvements in Barbed Fencing; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use  
10 the same.

My invention is an improvement in two-strand barbed-wire fencing.

In the form of fencing which constitutes my invention a two-point wire barb is held se-  
15 curely in place between the two strands of a cable without being wrapped about either strand and independently of the twist of the strands. The form of the barb and the means by which it is held in place on the strands are  
20 fully described and explained in the following specification and shown in the accompanying drawings, in which—

Figure 1 is a top plan of a section of fence-cable having the barb in place thereon. Fig. 2  
25 is a bottom plan of same. Fig. 3 is an end elevation thereof, looking in the direction indicated by the arrow in Fig. 1, the strands of the cable being cut by a plane passing through the line  $x y$ , Fig. 1; and Fig. 4, a transverse  
30 section of the cable and barb, the plane of section passing through the line  $x' y'$ , Fig. 1.

In these views, A B are the two strands of a wire fence-cable. D is a plate of sheet metal lying across said strands, and having  
35 its ends bent over and outside of the outer surfaces thereof, and C E is a two-point wire barb bent first into a staple, with legs of equal length, and completed by passing the legs of  
40 said staple between the strands of the cable on opposite sides of the plate D, and then bending them outward in opposite directions and in a plane parallel to the plane of the two  
main wires.

The middle part,  $a$ , of the barb rests on the  
45 center of the plate D; and it is advisable to

depress the center of the plate D and form a groove or channel for the reception of the wire, as shown in the drawings; but the depression at the center of the plate is not essential, as a flat plate will retain the barb in  
50 place perfectly if its ends be bent over the outer faces of the main wires, as shown.

The plate D may be replaced by a round wire without altering in principle the method of securing the barb above described; but a  
55 flat plate, or a plate cut from a flattened wire, is preferable as affording greater rigidity with the same weight of metal.

I am aware that the general form of the wire barb C E is not new, since it is shown in  
60 the patent of Nadelhoffer, No. 201,889, issued April 2, 1872. The combination, with the barb, of the retaining-plate D is, however, a material improvement, not only in the ease and rapidity of application of the barb, but  
65 also in the firmness of its attachment to the main wires and in the reduction of the amount of material required for its construction.

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

The combination, with the strands of a two-strand fence-cable, of a retaining-plate lying on one side of and in contact with both of  
75 said strands, and a two-point barb formed of a single piece of wire whose middle is parallel with the strands and lies across said retaining-plate, while its ends pass between said strands on opposite edges of said plate, and are bent outward in opposite directions on the  
80 opposite side of the strands from said plate, substantially as shown and described, and for the purpose set forth.

In testimony whereof I have signed this specification in the presence of two subscrib-  
85 ing witnesses.

FRANK W. BRAINERD.

Witnesses:

WALLACE GREENE,  
M. STOSKOPF.