

(No Model.)

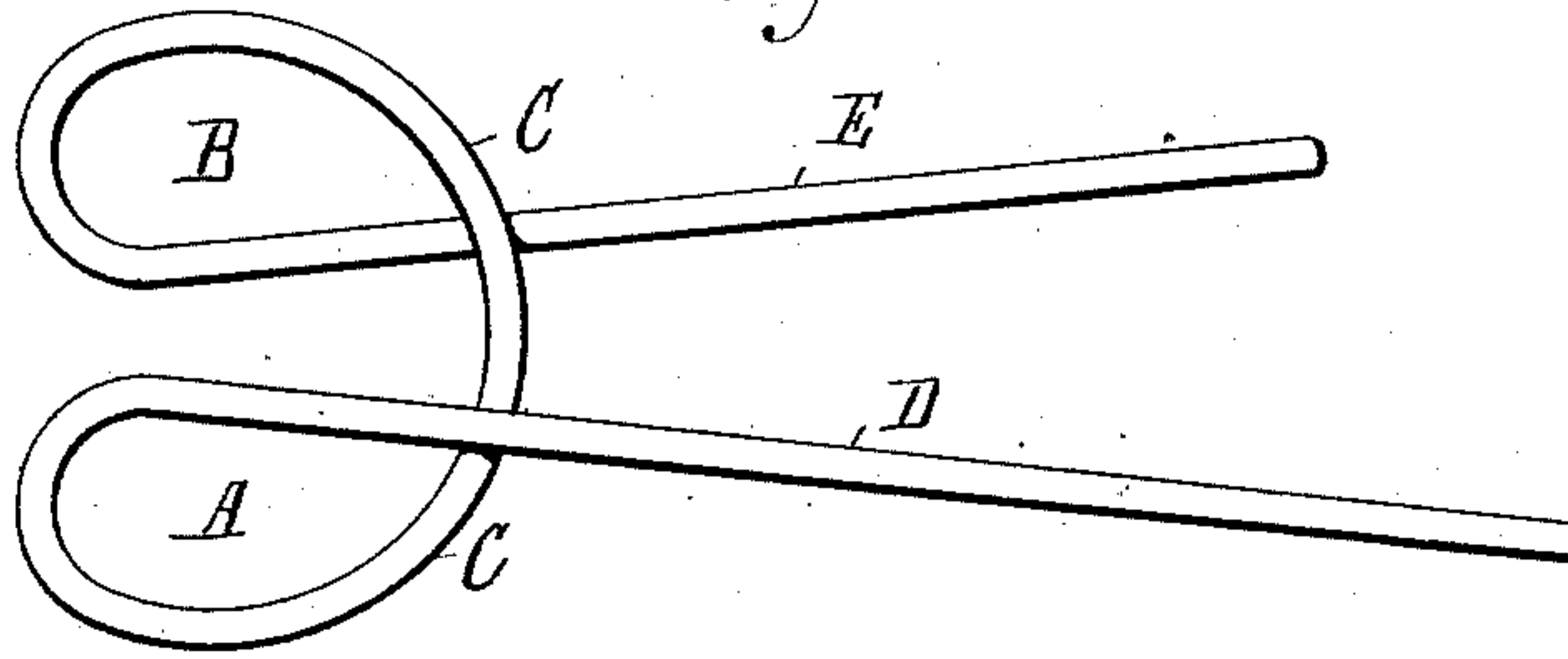
P. BENJAMIN.

WIRE BALE TIE.

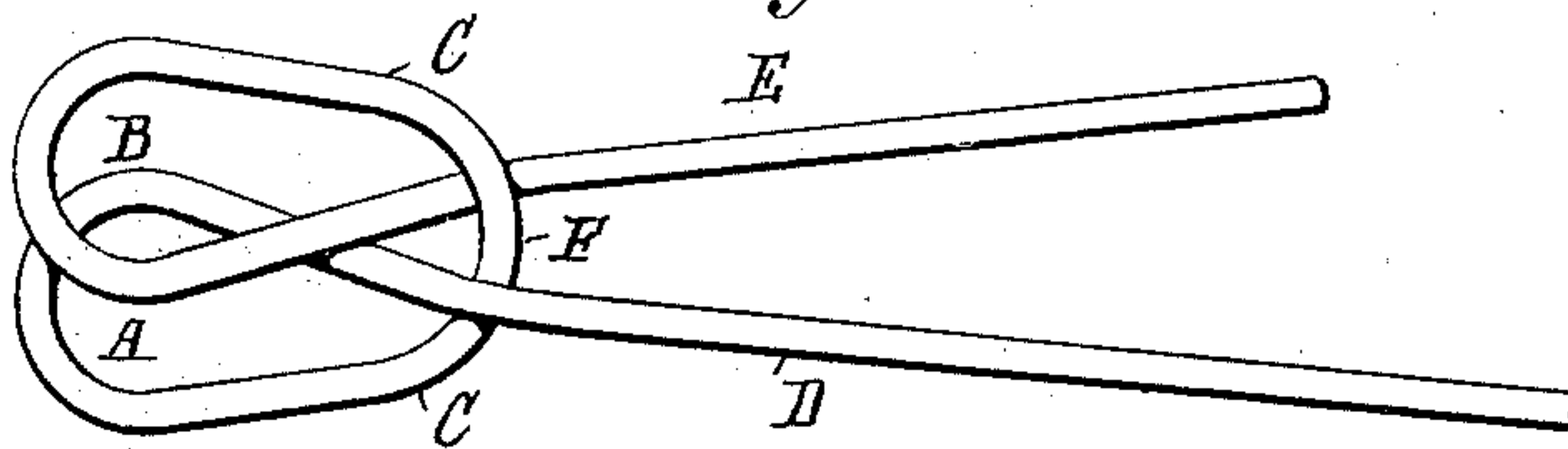
No. 311,222.

Patented Jan. 27, 1885.

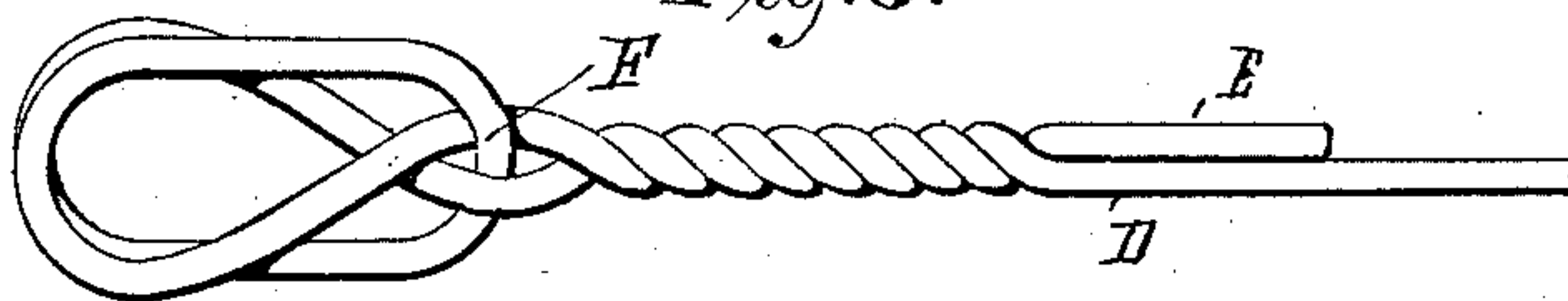
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

*Sustave Dieterich*  
*John J. Bowen*

INVENTOR

*Park Benjamin*

# UNITED STATES PATENT OFFICE.

PARK BENJAMIN, OF BROOKLYN, NEW YORK.

## WIRE BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 311,222, dated January 27, 1885.

Application filed August 8, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, PARK BENJAMIN, of the city of Brooklyn, county of Kings, and State of New York, have invented a new and  
5 useful Improvement in Wire Bale-Ties, of which the following is a specification.

The invention relates to a wire bale-tie consisting of a band of wire having formed upon it at one end a closed loop or eye, in which  
10 eye is secured the opposite end of the band when the latter is in place upon the bale; and it consists more particularly in the construction of the said closed loop or eye, hereinafter set forth.

15 In the accompanying drawings, Figures 1 and 2 show the successive positions of the wire during bending to form the closed loop or eye, and Fig. 3 shows the eye completed.

Similar letters of reference indicate like  
20 parts.

I form the eye by bending the wire band near its end to form what is nautically known as a "clove-hitch," the same being composed of two loops or half-hitches, A and B, Figs.  
25 1 and 2. In the loop A the part C is brought under the standing part D of the wire, and in the loop B the part C is carried over the end or free portion E of the wire. The loop

B is then moved sidewise over the loop A, as indicated in Fig. 2, and the parts of said loops  
30 are made to coincide, as represented in Fig. 3.

In Fig. 3 it will be seen that the part F, which is common to both loops, becomes jammed between the parts E and D whenever strain is applied to the eye—as when the op-  
35 posite end of the band, after the latter is placed upon the bale, is secured therein—and that the greater the strain the more tightly will the part F become so jammed. The free end E may be secured, as shown in Fig. 3, by  
40 twisting with the standing part D.

I claim as my invention—

1. In a wire bale-tie, and at one end thereof, a closed loop or eye consisting of a clove-hitch formed of the wire of said tie, substan-  
45 tially as described.

2. In a wire bale-tie, and at one end thereof, a closed loop or eye formed by making the loops A and B in the wire of said tie and plac-  
50 ing the loop B over and upon the loop A, substantially as described.

PARK BENJAMIN.

Witnesses:

T. J. KEANE,  
JOHN J. BOWEN.