

(No Model.)

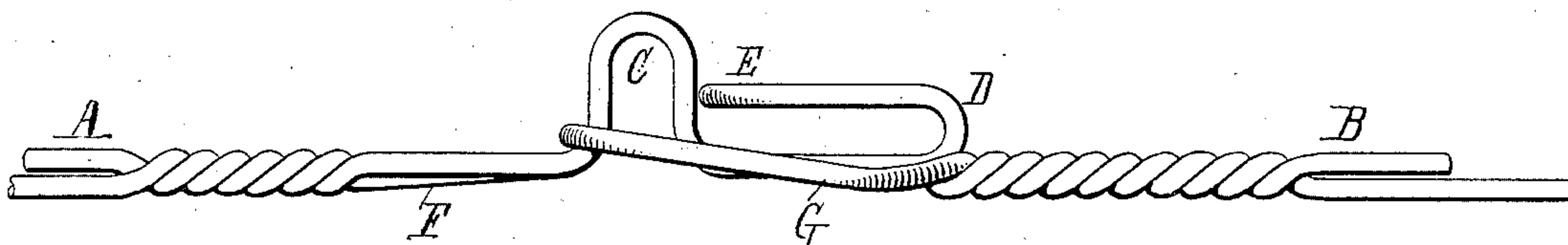
W. BROCKNER.

BALE TIE.

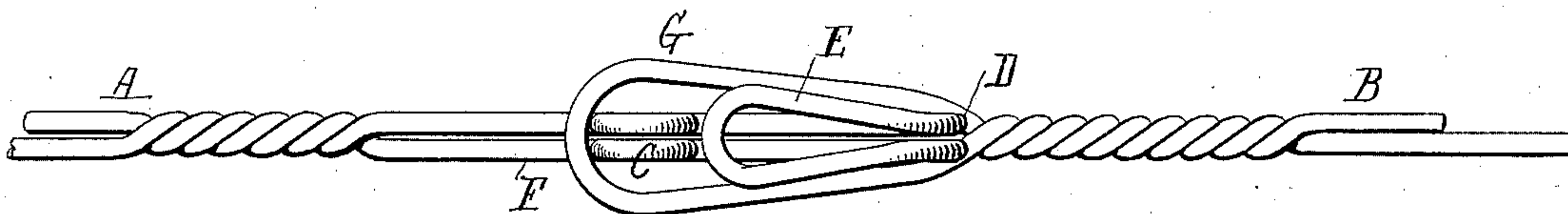
No. 311,226.

Patented Jan. 27, 1885.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*Gustave Petersick*

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INVENTOR

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# UNITED STATES PATENT OFFICE.

WASHINGTON BROCKNER, OF NEW YORK, N. Y.

## BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 311,226, dated January 27, 1885.

Application filed July 18, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, WASHINGTON BROCKNER, of the city, county, and State of New York, have invented a new and useful Improvement in Bale-Ties, of which the following is a specification.

The invention relates to a bale-tie formed of a wire band; and it consists in the construction hereinafter set forth, whereby one end of said band is caused to engage with a loop or eye formed in the other end.

In the accompanying drawings, Figure 1 is a side view, and Fig. 2 is a top view, of my improved bale-tie.

Similar letters of reference indicate like parts.

A and B represent ends of the wire band. At the end of wire B, I form a loop or eye, G, by doubling and twisting the wire back upon itself. At the end of wire A, I first form an eye, F, in like manner, and then bring the parts of the wire forming said eye into close proximity. I then bend the said parts near the middle of the eye, so as to form an upwardly curved or bent portion, C, and I turn over the bight of the eye horizontally and rearwardly to form a horizontally curved or bent portion, D. The end E of the eye then approximates the loop C. When the parts thus arranged are connected with the eye or loop G formed upon the other wire, B, the said eye passes over the bent portion C and engages or hooks upon the bottom of said bent part, while the outer end of the loop D

on the wire A rests upon the parts of the wire B at the point where they meet after forming the eye. It will be apparent, therefore, that inasmuch as the loop on wire B hooks over the bent portion C on wire A, the loop C first takes the strain applied to wire B, and that said bent portion C is supported or braced by reason of the bearing of the outer bent portion, D, upon the wire B.

I claim as my invention—

1. In a wire bale-tie having at its opposite end a closed loop or eye, a closed loop or eye, F, having its parts brought together and bent twice to form an upwardly-curved loop, C, and a straight horizontal portion at right angles to and extending beyond said loop C, the end of said horizontal portion being bent upward and rearward, and having its extremity closely approximated to the loop C, substantially as described.

2. In a wire bale-tie having at its opposite end a closed loop or eye, G, a closed loop or eye, F, having its parts brought together and bent twice to form an upwardly-curved loop, C, and the remaining outer portion of said loop F being doubled by bending back upon itself to form a brace for said loop C, and resting with its bight D upon and above the shank or twisted portion of the eye G, substantially as described.

WASHINGTON BROCKNER.

Witnesses:

FRANK W. SMITH,  
JOHN J. BOWEN.