(No Model.)

M. CAMPBELL.

WIRE BALE TIE.

No. 263,678. Patented Sept. 5, 1882.

Fig. 1.

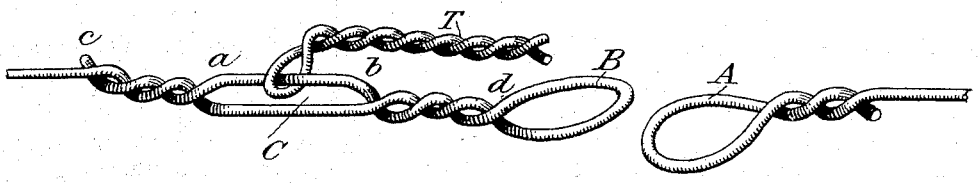


Fig. 2

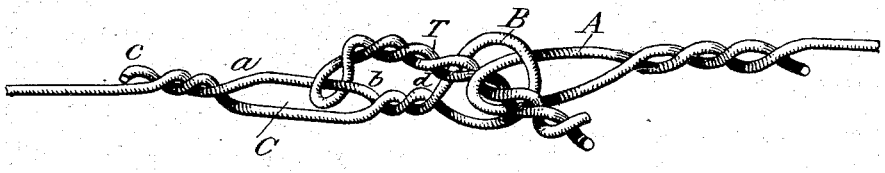
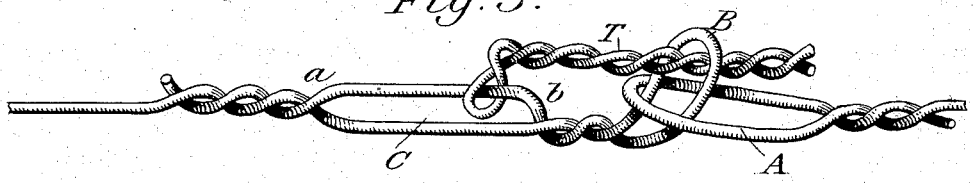


Fig. 3.



Witnesses:
John M. Brown
Schuyler Carrkadden

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Marcus Campbell

UNITED STATES PATENT OFFICE.

MARVIN CAMPBELL, OF SOUTH BEND, INDIANA.

WIRE BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 263,678, dated September 5, 1882.

Application filed June 7, 1882. (No model.)

To all whom it may concern:

Be it known that I, MARVIN CAMPBELL, of the city of South Bend, and county of St. Joseph, and State of Indiana, have invented certain new and useful Improvements in Wire Bale-Ties; and I do hereby declare the following to be a full and clear description of the same, whereby those skilled in the art to which my invention belongs may be enabled to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

In the drawings similar letters of reference refer to like parts in all of the figures.

My improvement relates to the manner in which I construct, and afterward to the way in which I lock together, the two ends of the bale-tie. In my drawings I only show short portions from each end of the bale-tie, as I deem that sufficient to illustrate my improvement.

Figure 1 shows the two ends of the bale-tie as I construct them separate from each other. Figs. 2 and 3 show the ends as I lock them together after having passed them about the bale.

In constructing my bale-tie I form one end of the wire or analogous bale-tie material into a simple loop, as shown at A in Fig. 1. In the other end I form the loop B, and a little back of that the loop C, from which I suspend the toggle or tongue T, all of which is clearly shown in Fig. 1. The construction of the loop A is effected by turning the end of the wire back upon the main wire and twisting it to the main wire. The construction of the other end is effected by turning the end of the wire back upon itself, making the twist *b d*, by which the loop B is formed; then suspend the toggle or tongue T upon the wire and make the twist *a c*, by which the loop C is formed, with the toggle or tongue T suspended from it. To lock the two ends together, the loop A or B may either one be passed through the other, and be held in such position by drawing forward the toggle or tongue T, as shown in Figs. 2 and 3.

In Fig. 2 the loop A is passed through the loop B. The toggle or tongue T is then drawn forward through the loop A, thus preventing the loop A from being withdrawn from the loop B.

In Fig. 3 the loop B is passed through the loop A, and the toggle or tongue T is then drawn forward through the loop B, thus preventing the loop B from being withdrawn from the loop A.

In my drawings I show the toggle or tongue T made of twisted wire. I prefer this way of making the toggle or tongue; but it may be made of sheet metal or any suitable material.

In my drawings and description I have shown the band made of wire. It, however, may be made of hoop-iron, sheet metal, or any suitable material.

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

In a bale-tie, the toggle or tongue T, suspended from an elongated loop, C, for the purpose of fastening together the two ends of the bale-tie, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two witnesses.

MARVIN CAMPBELL.

Witnesses:

WM. T. CARSKADDEN,

JOHN M. BROWN.