

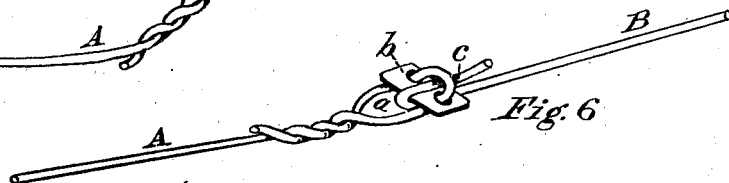
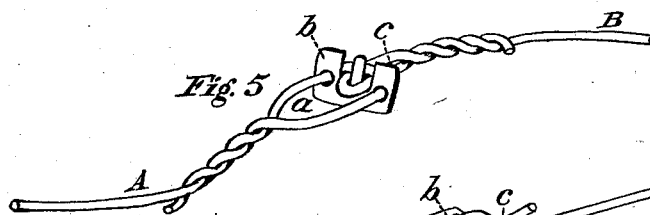
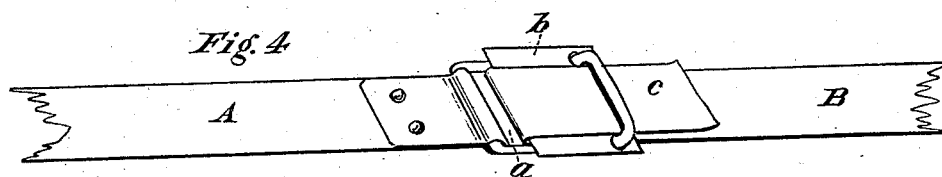
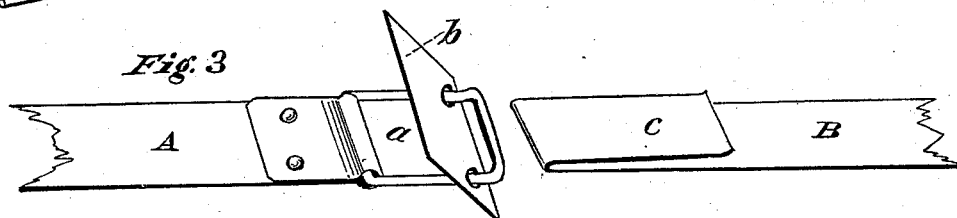
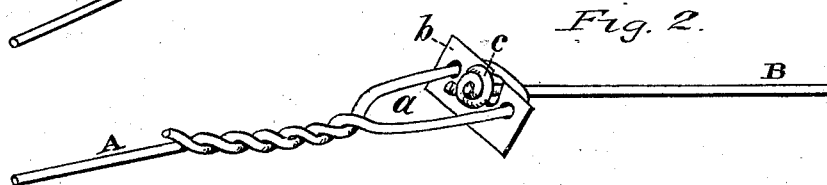
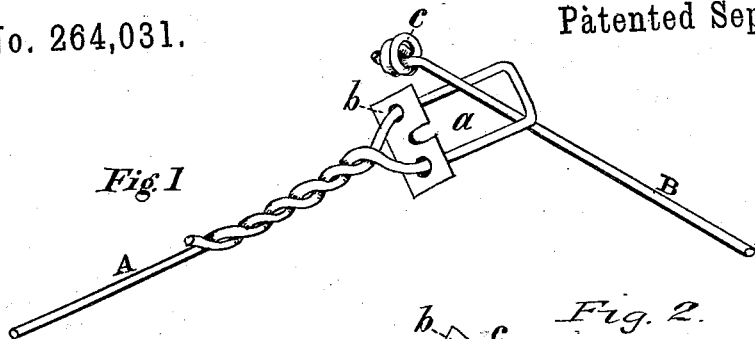
(No Model.)

D. B. EASTBURN.

BALE TIE.

No. 264,031.

Patented Sept. 5, 1882.



WITNESSES.

Wm. J. Caskadday
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UNITED STATES PATENT OFFICE.

DAVID B. EASTBURN, OF SOUTH BEND, INDIANA, ASSIGNOR OF ONE-HALF
TO MARVIN CAMPBELL, OF SAME PLACE.

BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 264,031, dated September 5, 1882.

Application filed July 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, DAVID B. EASTBURN, a citizen of the United States, residing at South Bend, in the county of St. Joseph and State of Indiana, have invented certain new and useful Improvements in Bale-Tie Fastenings; 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, which form a part of this specification.

My invention consists of a plate of sheet metal or wire sliding freely at its two ends within a loop at one end of the bale-tie, the object of this plate sliding within the loop being to engage and securely hold the other end of the bale-tie. The other end of the tie may be prepared in various ways and locked about or to the sliding plate in different ways, the novelty and efficiency of the device (a sliding plate in a loop) being the same.

Figures 2, 4, 5, and 6 show the sliding plate used in different ways to lock the other end of the tie. Figs. 1 and 3 show the construction of parts of Figs. 2 and 4 disconnected. I have shown the tie in Figs. 5 and 6 as locked together.

I will now describe each figure in detail.

In Fig. 1 the end A has the loop *a*, in which is the sliding plate *b*, the plate provided with a notch at or near its center. The end B is tied in a knot or may have a cross-piece of iron or wood, or have the end *c* enlarged in any way preferred by the maker. To lock these two ends together, pass the knot *c* through the loop *a* in front of the plate *b* and a little beyond the plate, drop the wire B into the notch in the plate, and draw forward, and the fastening is complete and secure, as shown in Fig. 2.

In Fig. 3 the main band is of hoop-iron or sheet metal. The loop *a* on the end A is of wire, and within it the sliding plate *b*. The end B simply has its end turned back upon itself, forming the hook *c*. To lock together these ends, pass the end B through the loop *a* back of the plate *b*, then in drawing it forward pass the hook *c* over the plate *b* and under the loop

a in front of the plate, and the fastening will be secure and complete, as shown in Fig. 4.

In Fig. 5 the sliding plate *b* in the loop *a* is provided with a tongue at or near its center. The end B is provided with a loop, *c*. To fasten together these ends, pass the loop *c* through the loop *a* in front of the plate *b*, and hook it over the tongue in the plate *b*, when the fastening will be complete.

In Fig. 6 the construction is the same as Fig. 3, and the locking the same as Fig. 4, except that the band is of wire instead of sheet metal.

In all of these figures it will be observed that after the fastening is completed the tension upon the ends of the bale-tie, caused by the expansion of the material in the bale, tends to draw the plate *b* to the front and against the front of the loop *a*. The stronger the tension the more tightly is the plate drawn, and the more tightly the plate is drawn the more securely is the end B held to its fastenings, as will be noted by an examination of any or all of the figures.

What I claim as new and of my invention, and desire to secure by Letters Patent of the United States, is—

1. In a bale-tie, an end provided with the plate *b*, sliding loosely within the loop *a*, for the purpose of engaging and holding the other end of the tie, substantially as shown and described in the above specification.

2. In a bale-tie, the combination of the knot *c*, plate *b*, and loop *a*, substantially as shown in Fig. 2.

3. In a bale-tie, the combination of the hook *c*, plate *b*, and loop *a*, substantially as shown in Figs. 4 and 6.

4. In a bale-tie, the combination of the loop *c*, plate *b*, and loop *a*, substantially as shown in Fig. 5.

In testimony that I claim the invention as above described I have hereunto set my hand.

DAVID B. EASTBURN.

Witnesses:

WM. T. CARSKADDEN,
JOHN M. BROWN.