C. H. VICTORY.

BALE-TIES.

No. 184,739. Patented Nov. 28, 1876.

Fig. 1.

Fig. 2.

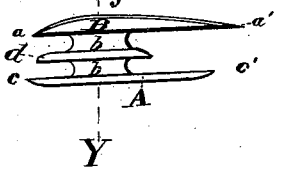


Fig. 3.

Fig. 4.

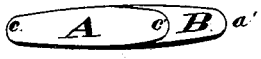
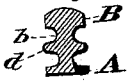


Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **184,739**, dated November 28, 1876; application filed September 18, 1876.

To all whom it may concern:

Be it known that I, CHARLES H. VICTORY, of the city and county of Albany, and State of New York, have invented a new and useful Improvement in Bale-Ties; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the formation and arrangement of two buttons, connected together by a shank or neck, provided at its center with a flange or collar of similar shape, as will be hereinafter more fully set forth.

In the drawings, Figure 1 is a perspective view of my improved bale-tie, secured to one end of the bale-wire, with the loop on the other end of said wire in position to be placed over the button. Fig. 2 is an edge view of the same, with the bale-wire removed, more clearly showing the form of the shank or neck. Fig. 3 is a face view of the loop, as shown in Fig. 1. Fig. 4 is a bottom view of Fig. 2. Fig. 5 is a cross-section of the same, taken on the line Y Y.

Similar letters of reference indicate corresponding parts in all the figures.

A and B represent the two buttons, which are oblong or elongated in shape, and are connected together by the shank or neck *b*, which is provided at its center with a flange or collar, *d*, of the same material, and similar in shape to the button A. Said button A is made flat on both the inner and outer sides, and rounded off at its extreme ends *c* and *c'*, and is permanently secured to one end of the bale-wire by placing the wire around the shank or neck *b*, between the collar *d* and the button A, in the form of a loop, and twisting said wire until it hugs the said neck or shank *b*, as shown in Fig. 1. The button B, which is similar in form to button A, but somewhat longer and rounded off on the top at *e*, and tapering from opposite where it is joined by the neck *b* to a thin rounded edge at its extreme ends *a* and *a'*, as shown in Figs. 1 and 2. This is done in order to facilitate its passage through the loop H on the one end of the bale-wire, the other end of which is permanently secured to the button A, as shown in Fig. 1. The shank or neck *b* joins the button B nearest the large end *a* of said button, so that when the loop H is placed over the said button and against the neck *b*, the end *a'* of the button will extend beyond the loop H, thus preventing the loop from being detached from the neck of the button until the foremost end or nose of the loop is again raised above the end *a* of the button. In passing the loop over the button B the thin rounded end *a'* of the button is first passed through the loop H on the end of the bale-wire, the nose or foremost end of the loop passing over the button, and the rearmost or twisted end passing under the end *a'* of the button, said end *a'* of said button resting upon the top of the bale-wire, thereby preventing the tie from tipping, as shown in Fig. 1. Thus it will be seen that as the button B is longer than the loop H it cannot become detached by any jolting or handling of the bale, as is often the case with other bale-ties; furthermore, the connection is very easily made, requiring no turning of the tie or bending of the bale-wire in order to make said connection. It will be observed, also, that the buttons A and B, as well as the collar *d*, project on all sides beyond the neck or shank *b*, so that the loops on the ends of the bale-wire are entirely separated, thus preventing any friction or wearing of the loops, and holding the said buttons in their proper position when secured to the bale-wire, as shown in Figs. 1, 2, and 5. The neck or shank *b* may either be round or oval-shaped, but preferably of an oval shape, as shown by Figs. 1, 2, and 5.

This bale-tie may be made of malleable metal, or any other suitable material, in one piece.

I claim as my invention—

The elongated buttons A and B, having tapering top *e*, thin rounded ends *a* and *a'* and *c* and *c'*, the connecting shank or neck *b*, provided with the flange or collar *d*, in combination with the loops H and E on the ends of the bale-wire, substantially as shown or as described.

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Witnesses:

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