

J. M. GOLDSMITH.
Cotton-Bale Ties.

No. 143,343.

Patented September 30, 1873.

Fig. 1.

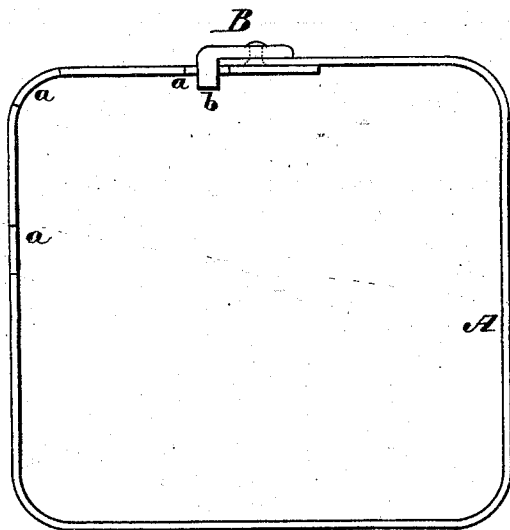


Fig. 4.

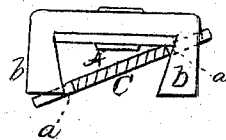


Fig. 2.

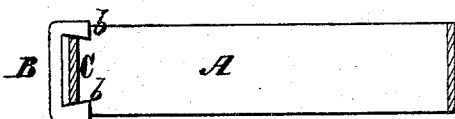
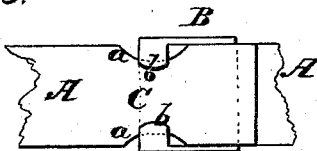


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

J. MORTIMER GOLDSMITH, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. **143,343**, dated September 30, 1873; application filed August 23, 1873.

To all whom it may concern:

Be it known that I, J. MORTIMER GOLDSMITH, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and valuable Improvement in Cotton-Bale Ties; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of my bale-tie, showing its application. Fig. 2 is a section through the tie. Fig. 3 is a view, showing portion nearest the bale. Fig. 4 is a section of the tie.

The object of my invention is to employ a metallic fastening, having beveled lugs to form a dovetail space of uniform width, and riveted to one end of a bale-band, in combination with notches or scores cut into the edges of the other end of this band, whereby a simple and quick as well as secure means of connecting the bands around a bale is obtained, as will be hereinafter explained.

In the drawings, A represents the bale-band, which is a piece of hoop-iron of proper width and length, having notches cut into its edges near one end. The notches are opposite each other, which reduces the width of the band between them, and forms a neck and two shoulders, as shown in Fig. 3. There will be a number of pairs of notches, *a*, at proper intervals apart, so as to adapt the band to bales of different sizes and different degrees of compactness. B represents the metal fastening, which is a piece of metal about the same width as the band A, and of any suitable length, having lugs *b b* formed on one end, which are beveled,

as shown in Figs. 2 and 4, so as to leave between them a dovetail space, C. This fastening is riveted to the band A on the end thereof opposite the notched end, and when so riveted the lugs *b b* are at right angles to the band, as shown in Fig. 1.

When the band thus prepared is drawn tightly around a bale, and the notched end grasped by a pair of pinchers and slightly twisted about itself, the narrow neck, which is between two opposite notches, *a a*, will pass freely into the dovetail space between the lugs. When this is done, and the two meeting ends of the band are allowed to lie flatly together, these ends will be fastened. To unfasten them, one end is slightly twisted or inclined to the other, and slipped out from between the lugs *b*.

The advantages of this fastening are that it is cheap and easily made, and also perfectly secure, as the ends cannot be separated unless one or the other is twisted, as described, which is not likely to occur in handling a bale, for it will be observed that the notched end of the band lies beneath the end having the dovetail piece B secured to it.

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

The fastening B having lugs *b b*, beveled, as shown, to form the dovetailed space C of uniform width, and riveted to the band A, in combination with the notches *a a* upon said band, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

J. MORTIMER GOLDSMITH.

Witnesses:

PHIL. C. MAST,
GEORGE E. UPHAM.