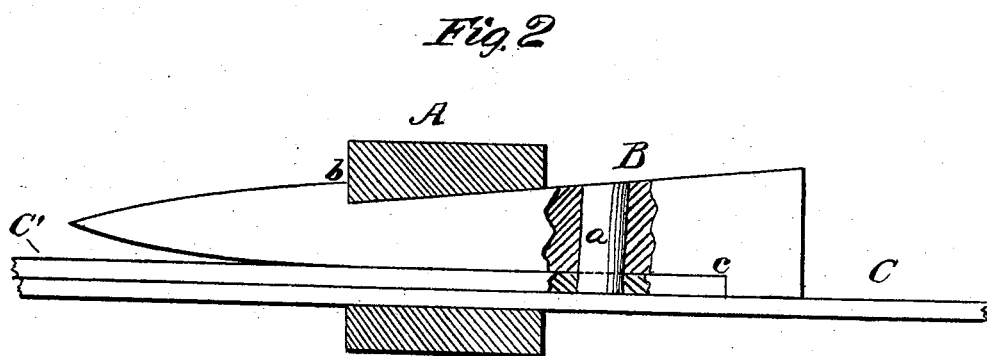
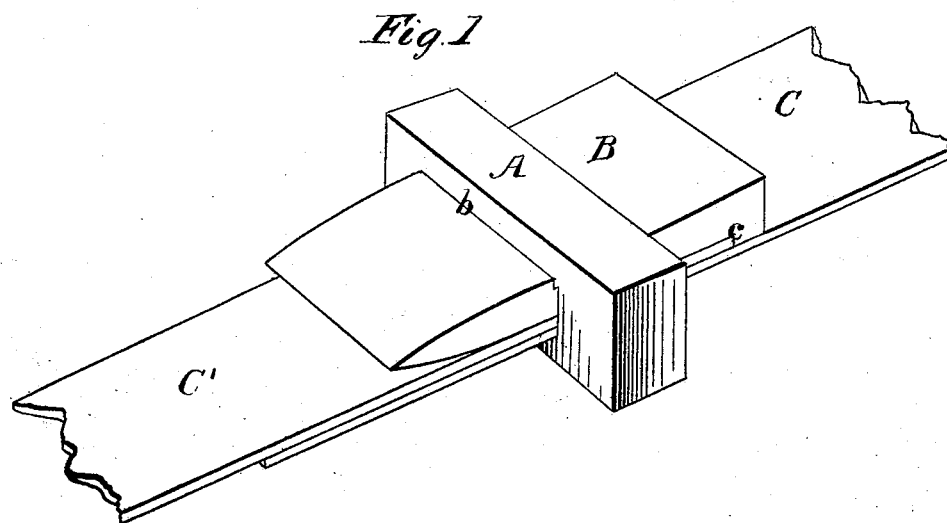


A. A. GOLDSMITH.
Cotton-Bale Ties.

No. 149,468.

Patented April 7, 1874.



WITNESSES
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George E. Upham. By

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UNITED STATES PATENT OFFICE.

ABRAHAM A. GOLDSMITH, OF CHARLESTON, SOUTH CAROLINA.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. **149,468**, dated April 7, 1874; application filed February 21, 1874.

To all whom it may concern:

Be it known that I, ABRAHAM A. GOLDSMITH, of Charleston, in the county of Charleston and State of South Carolina, have invented a new and valuable Improvement in 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 drawing is a representation of a perspective view of my bale-tie. Fig. 2 is a sectional view of the same.

This invention has relation to devices for securing the ends of bale-bands, and commonly known as "bale-ties;" and it consists in the combination of a shouldered wedge and a loop with a bale-band, whereby a very safe attachment of the ends of a band can be made without weakening the band, as will be hereinafter explained.

The following is a description of my bale-tie:

In the annexed drawings, the letter A designates a loop having a rectangular slot through it, which is slightly tapered, as shown in Fig. 2. B represents a wedge, which is constructed with a ridge or shoulder, *b*, transversely across its upper surface, and also with another shoulder transversely across its bottom side, near

its largest end. This wedge B is permanently secured to end C' of the bale-band by means of a rivet, *a*.

It will be observed, by reference to Fig. 2, that the smallest end of the wedge B does not lie flat upon the band. This will allow the parts to yield while inserting the wedge into the loop; and, after the shoulder *b* has passed through the loop, it will be caused to spring up and lock the wedge, preventing a casual detachment of the tie.

When the two ends C C' of the bale-band are connected together by the wedge and its loop, the expansion of the bale, which is embraced by the band, will firmly draw the wedge into the loop and make a secure fastening.

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

The bale-tie described, consisting of a wedge, tapered and shouldered, as described, and permanently secured to the bale-band, in combination with the loop A, as set forth.

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

ABRAHAM A. GOLDSMITH.

Witnesses:

ASHER D. COHEN,
JACOB WILLIMAN.