

I. M. Sechler,
Cotton Bale Tie.

No. 63,105.

Patented Mar. 12. 1867.

Fig. 1.

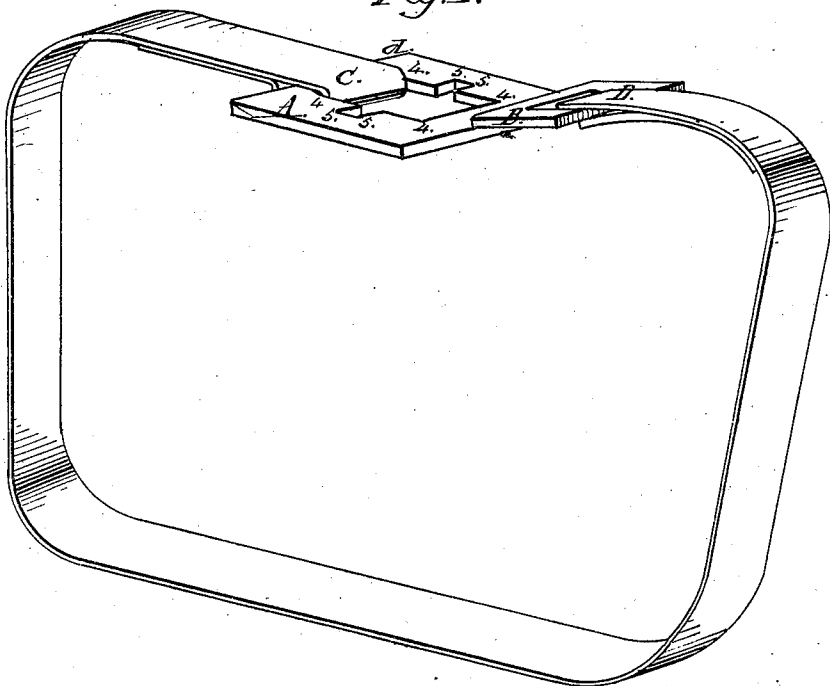
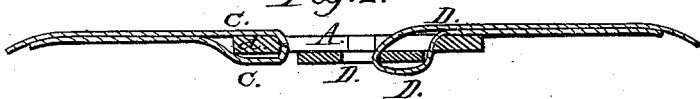


Fig. 2.



Witnesses:
Geo. W. Rothwell
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By H. M. H. H. H.
att'y

United States Patent Office.

DANIEL M. SECHLER, OF CINCINNATI, OHIO.

Letters Patent No. 63,105, dated March 19, 1867.

IMPROVEMENT IN COTTON-BALE TIES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DANIEL M. SECHLER, of Cincinnati, in the county of Hamilton, and State of Ohio, have invented a new and improved Cotton-Bale Tie; and I do hereby declare the following to be a full, clear, and exact description of the same, sufficient to enable one skilled in the art to which the invention appertains to make use of it, reference being had to the accompanying drawings, which are made a part of this specification, and in which—

Figure 1 is a perspective view.

Figure 2 is a longitudinal section.

This tie consists of two loops, around which the respective ends of the hoop are bent and replicated. The smaller loop is then passed through the larger at a certain point, and being slipped back is retained at the narrower portion of the opening in the longer portion. In the drawings—

A is the larger piece or loop, commonly called the buckle, and B is the smaller loop, which is engaged by being passed through the former, catching behind or below it, or outside, according as it may be entered. The buckle A has a general square form, with a slot in it of about the width of the hoop band, say one inch. This slot is indicated by the figures 4 4 4 4 at the corners. In the edge of the slot just mentioned are notches, 5 5, adapted to allow the loop B to pass through.

In operation, the end C of the hoop band is folded round the bar *d* of the buckle, and replicated underneath. The band being then drawn around the bale, the other end, D, of the hoop is folded around the loop B, having the hoop of such a length as will permit the loop B to be passed through the notches 5 5. The loop B is now retracted a short distance underneath the buckle, the excess of width of the loop B over the width of the slot 4 4, preventing its withdrawal. The width of the aperture in loop B corresponds to fit the width of the hoop, and the notches 5 5 allow the loop B to pass. The hoop D, occupying the width of the slot 4 4, cannot shift laterally, and the loop B, having a continuous margin, cannot get loose from the hoop, but is always in position and can be depended upon.

I am aware that the hoop has been folded around, a pin or plug has been placed behind the buckle to prevent its retraction, but such pins are liable to be displaced or to slip out when a fall of the bale jerks it loose suddenly, as may sometimes occur. In my bale tie, each end of the hoop is folded around a loop, and one is passed through the other, neither being in danger of displacement either from the hoop or from each other, when once fairly engaged.

Having described my invention, what I claim therein as new, and desire to secure by Letters Patent, is—

The arrangement of the buckle A, constructed with notched slot 4 5, and the loop B, adapted and proportioned to engage with the buckle, substantially as described and represented.

I claim the loop B, for attachment to one end of the hoop, and adapted to lock within a buckle, or equivalent device, on the other end of the hoop.

DANIEL M. SECHLER.

Witnesses:

EDWARD H. KNIGHT,
GEO. W. ROTHWELL.