

J. L. REESE.

Bale-Ties.

No. 157,223.

Patented Nov. 24, 1874.

Fig 1

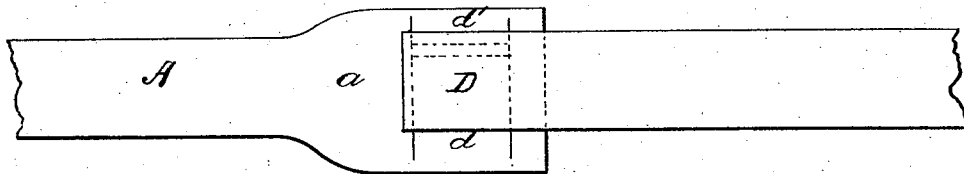


Fig 2

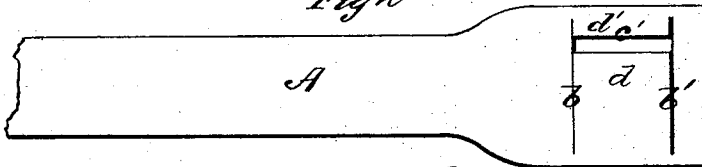


Fig 3

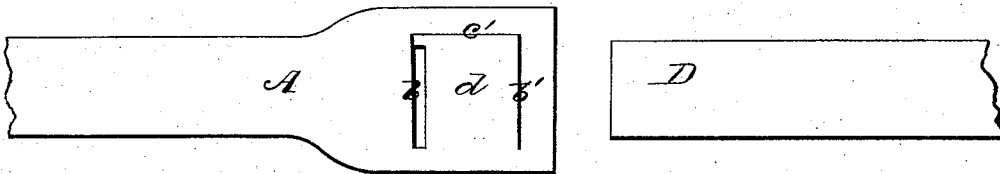


Fig 4

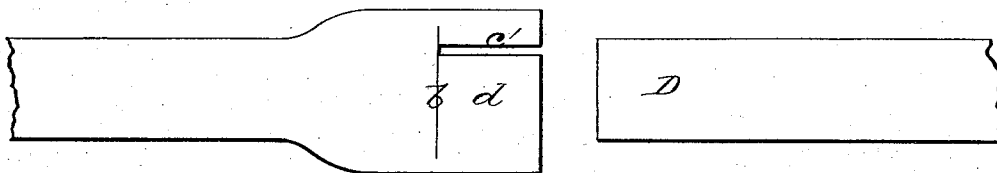
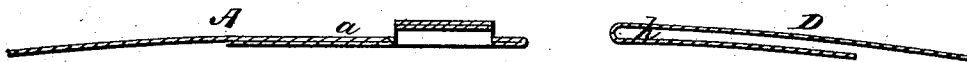


Fig 5



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN L. REESE, OF GALVESTON, TEXAS.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **157,223**, dated November 24, 1874; application filed November 14, 1874.

To all whom it may concern:

Be it known that I, JOHN L. REESE, of Galveston, in the county of Galveston and State of Texas, 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 plan view of my bale-tie fastened. Fig. 2 is a plan view of one end of my binder. Fig. 3 is a plan view of my bale-tie opened. Fig. 4 is a modification, and Fig. 6 is a sectional view, of my bale-tie.

This invention has relation to ties which are designed for uniting the two ends of a binder around a compressed mass of cotton, hay, moss, or other analogous substances; and the nature of the invention consists in two parallel transverse slots cut through a widened re-enforced end of a strap-iron binder, and in a vertical slot cut through the space between the two former slots, whereby two lugs are formed, which will allow the looped end of the same to be engaged over one lug, and then over the other, producing a rigid and effectual union of its two ends, as will be hereinafter more fully explained.

In the annexed drawings, A designates a sheet-iron binder, having a widened end, *a*, which is strengthened and re-enforced by bending it under against the body of the iron, as shown in Fig. 1. Through this broadened end *a* of the binder two slits, *b b'*, are cut, at a suitable distance apart, in a position preferably at right angles to the length of the binder, the said slots being of greater length than the width of the other end of the same. *c'* designates a slit cut through the part of the binder between the slots *b b'*, and at right angles thereto, the distance of the same from the ends of the said slots being equal to the width

of the binder-strap. By this construction two hooking-lugs, *d d'*, the former of greater size than the latter, are formed. D indicates the small end of the binder-strap, which is bent over and under to form a hook, *h*.

I use and apply my improved tie in the following manner, to wit: The binder having been passed around a compressed mass of cotton, its two ends are approximated, and the lug *d* introduced into the hooked end *h* of the binder by passing its lower leg into the slit *c'* and thrusting the hook bodily to the left, when, by drawing the said hook to the right, it will also become engaged with the lug *d'*, as shown in Fig. 1, completing the tie, and effecting a perfect and reliable union of the two ends of the binder.

In practice I may dispense with the lower slit, *b'*, using only the upper one, in which case the slit *c'* will extend from the upper slot or slit to the end of the binder, the manner of completing the tie being identically as above described; or the slot *c'* may be cut vertically through the space between the upper and lower slots, at the adjacent ends thereof, forming only a single hooking-lug, *d*, in which case I propose to use a small projecting lug, *l*, to prevent a casual disengagement of the hook therefrom under the various strains and shocks incident to transportation.

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

The bale-tie consisting of the spaced transverse slits *b b'* and the longitudinal slit *c'*, cut through one broadened and re-enforced end of a metallic binder, and the hook *h* of the other end thereof, adapted for use substantially as specified.

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

JOHN L. REESE.

Witnesses:

GEORGE E. UPHAM,
F. J. MAST.