

J. BOISSEAU.
Bale-Ties.

No. 155,413.

Patented Sept. 29, 1874.

Fig. 1.

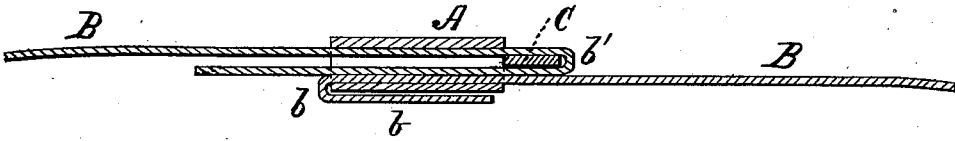


Fig. 2.

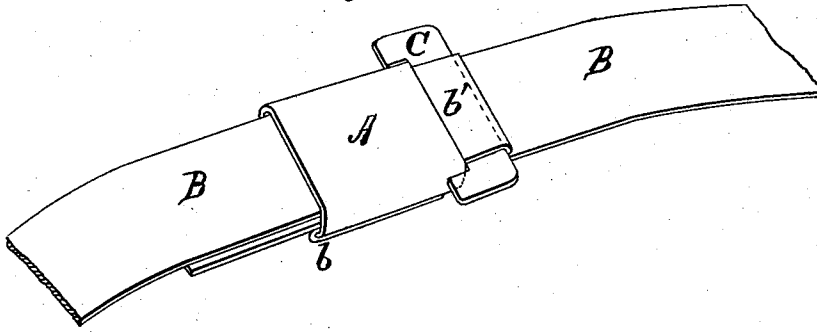


Fig. 3.

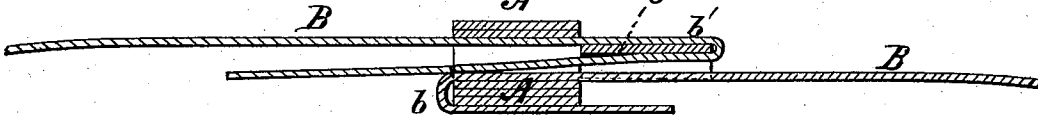


Fig. 4.

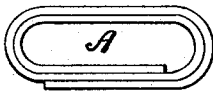
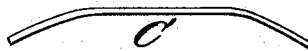


Fig. 5.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOSEPH BOISSEAU, OF SHREVEPORT, LOUISIANA.

IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **155,413**, dated September 29, 1874; application filed August 29, 1874.

To all whom it may concern:

Be it known that I, JOSEPH BOISSEAU, of Shreveport, in the parish of Caddo and State of Louisiana, 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 longitudinal sectional view of my bale-tie. Fig. 2 is a perspective view. Fig. 3 is a longitudinal sectional view of the same. Figs. 4 and 5 are detail views.

This invention has relation to means for securing in compact form a compressed mass of cotton, hay, or other like substance; and the novelty consists in a sleeve made of hoop-iron, through which are passed, from opposite ends thereof, the two downwardly-bent ends of a strap or binder, one end of which is hooked over the said sleeve, and the other is prevented from being drawn through the said sleeve by means of a key, constituting a tie, of which all the parts may be made of hoop-iron of the same description, and by the most ignorant hand upon the plantation, as will be hereinafter more fully explained.

In the annexed drawings, A designates a wrought-metal sleeve, preferably of hoop-iron, which is formed by bending a single thickness of metal into the shape shown in Fig. 1, or which may be formed of several folds of metal of the same description as that of which the binder is composed, as shown in Fig. 4, both of which are of that simplicity of construction as to be readily made upon a plantation by any workman, thus enabling the planter to dispense with expensive manufactured ties, and to construct an equally effective article at small cost by the employment of ordinary strap-iron. B designates a binder of strap metal of the usual description, both ends of which are bent inward to form hooks *b b'*, as

shown in Figs. 1 and 3, the latter being the longer.

A mass of cotton having been reduced by compression to the desired size, the hook *b* is passed into the sleeve A, and is then engaged over its lower edge. The binder is then caused to encircle the bale, and the hook *b'* thereof passed in turn into the said sleeve, until its looped part projects through it. A key is then passed through the loop outside of the sleeve, thereby preventing the said hook from being detached from the sleeve and releasing the bale. This key, which I will now designate by the letter C, may consist of a rectangular piece of hoop-iron, as shown in detail in Fig. 5, in which case its projecting ends will be bent down, as shown by a single stroke of a hammer, for the purpose of preventing its casual displacement during the transportation or handling of the bale; or it may be constructed with lugs *c*, as shown in Fig. 2, serving identically the same purpose, in which case the key will be inserted, as above described, through the loop, when it will be received between the lugs *c*, and securely locked.

All the parts of my improved tie may be made on the plantation, out of the ordinary strap-iron of commerce, by any laborer, thus causing a great saving of money to the planter, by enabling him to dispense with the usual costly manufactured article.

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

1. In a bale-tie, the combination, with the hooked end *b'* of a binder and the sleeve A, of the locking-key C, substantially as specified.

2. The sleeve A, hooks *b b'* of the binder B, and locking-key C, combined and arranged substantially as set forth.

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

Witnesses: JOSEPH BOISSEAU.
THOS. N. JACOBS,
W. P. FORD.