

J. C. DU BOIS.

BALE-TIE.

No. 185,304.

Patented Dec. 12, 1876.

Fig. 1.

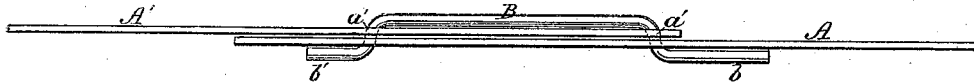


Fig. 2.

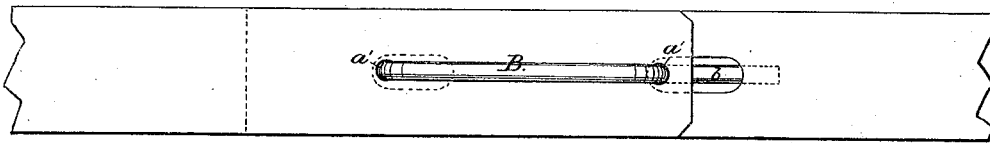
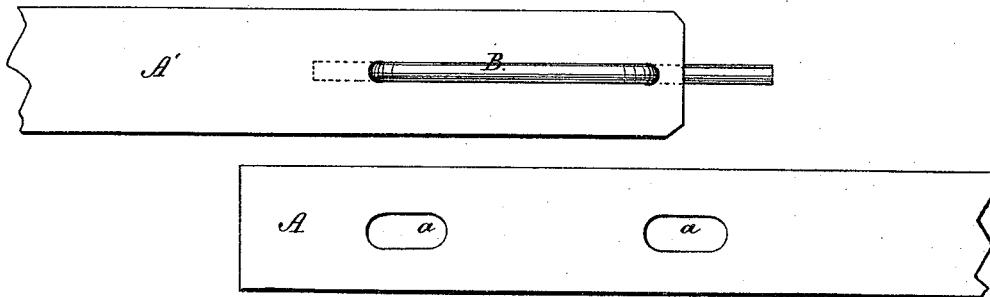


Fig. 3.



WITNESSES:

*W. W. Hollingsworth*  
*John Kemon*

INVENTOR:

*Joseph C. DuBois*

BY

*Robert C. [Signature]*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JOSEPH C. DU BOIS, OF TUSCALOOSA, ALABAMA.

## IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **185,304**, dated December 12, 1876; application filed November 20, 1876.

*To all whom it may concern:*

Be it known that I, JOSEPH C. DU BOIS, of the city and county of Tuscaloosa and State of Alabama, have invented a new and Improved Cotton-Tie; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a side elevation; Fig. 2, a plan view; Fig. 3, a plan view in detail of the ends of bale-band.

The invention relates to that class of cotton-bale ties which are made of hoop-iron and applied to form a tie without bending either end.

A A' represent the two ends of a band, the former of said ends being provided with two or more oblong slots, *a a*, placed in line with each other and at a suitable interval, which interval may be an inch a half or two inches, more or less. The end A' has two perforations, *a' a'*, which may be at a distance from each other about equal to that between slots *a a*, with the addition of the length of one slot. Through these perforations *a' a'* I pass a wire, B, bending the front end twice, so as to form a terminal, *b*, longer than the slots *a*. I also bend in a reverse direction the rear of the wire, so as to form a corresponding terminal, *b'*, which is shorter than slots *a*. The

wire is thus made fast to one end of the hoop with the subjacent terminals *b b'* arranged parallel to the hoop and at a distance therefrom somewhat greater than the thickness of hoop. The hoop is passed around the bale of cotton or other baleable product, the two ends being drawn one over the other, until the terminal *b* can be slipped into the slot *a* farthest from end. The band end A is then tightened until the terminal *b* comes over and slips into the slot *a* nearest end. The band, being let go, will then be retracted slightly in opposite directions by the elasticity of the cotton, causing the terminals *b b'* to lock the ends of the band securely together.

I am aware that it is not new to use a detachable wire having a hook at each end, in connection with a hoop-band that has one hole near one end, and a series of holes near the other; but

What I claim is—

A bale-tie consisting of a band whose end A is provided with slots *a*, the end A' with perforations *a' a'*, and the wire B, made fast to the end A', with terminals *b b'*, substantially as shown and described.

J. C. DU BOIS.

Witnesses:

SOLON C. KEMON,  
CHAS. A. PETTIT.