

J. KNIGHT.  
COTTON BALE TIE.

No. 62,040.

Patented Feb. 12, 1867.

Fig. 1.

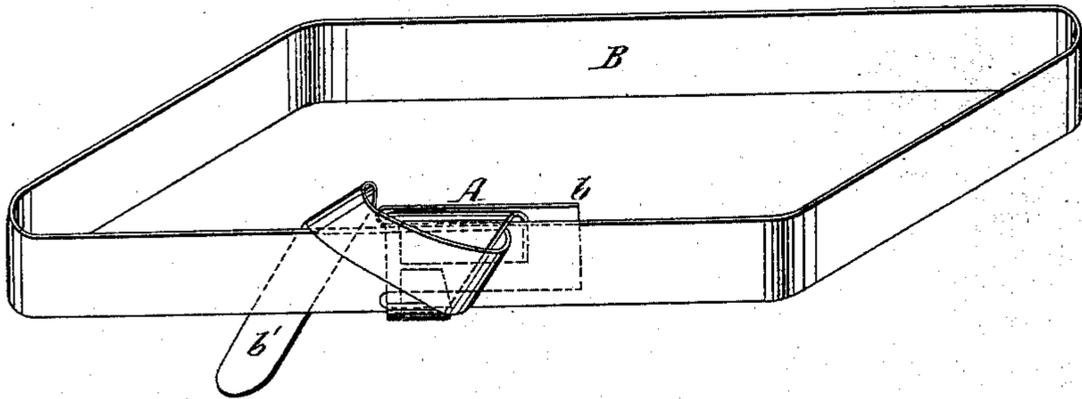


Fig. 2.

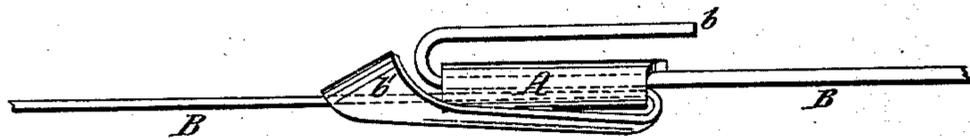


Fig. 4.

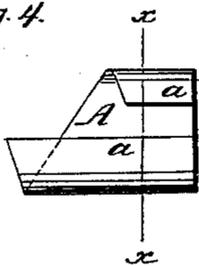
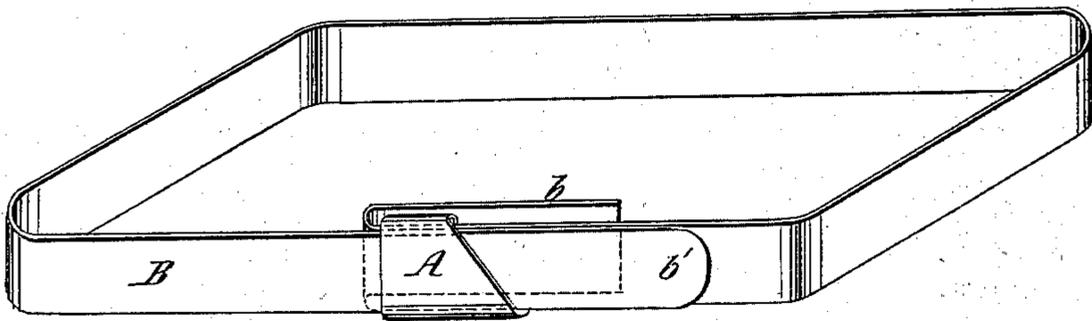


Fig. 5.



Fig. 3.



Witnesses.

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& A Service.

Inventor.

Jos Knight  
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attys.

United States Patent Office.

JOSEPH KNIGHT, OF LOUISVILLE, KENTUCKY, ASSIGNOR TO T. C. COLEMAN, OF SAME PLACE.

Letters Patent No. 62,040, dated February 12, 1867.

IMPROVEMENT IN COTTON-BALE TIE.

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, JOSEPH KNIGHT, of Louisville, in the county of Jefferson, and State of Kentucky, have invented a new and useful Improvement in Cotton-Bale Ties; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a hoop, as fastened with my improved tie around a bale.

Figure 2 is an edge view of the same.

Figure 3 is a view of the hoop with the tie on it, before the bale is fastened.

Figure 4 is a broadside view of the tie, detached.

Figure 5 is a cross-section, taken on the line  $x x$ , fig. 4.

Similar letters of reference indicate like parts.

This invention relates to a new and improved device for fastening iron hoops or straps upon cotton and other similar bales, and consists in a flat loop of plate iron, made square at one end and diagonal at the other, through which the ends of the strap are passed; and the outside end is bent in a peculiar way on the diagonal side of the loop, and secured by slipping it under the body of the hoop above the loop. This tie is very simple and cheap, and is managed with great ease by the ordinary laborer, while it admits of releasing the hoop on a bale readily, and can be used again any number of times. Figs. 4 and 5 represent the tie A, made of thick sheet iron, cut square across at one end, and diagonally at the other, with the edges  $a a$  turned over just enough to receive and hold two ends of the hoop to be used for baling. The ends of a hoop, when passed around a bale, are slipped through the loop A in opposite directions, and the inside end  $b$  is then bent over on the back side of the loop, as shown in fig. 3. The outside end of the hoop  $b'$  is then bent over with a diagonal twist against the diagonal end of the loop A, as shown in fig. 1; and then, by another diagonal bend against the side of the hoop itself, the end  $b'$  is tucked under the body of the hoop, between it and the bale, where it tightens by the expansion of the bale, and holds all fast. This completes the operation of fastening the hoop on a cotton bale. To unfasten the hoop, it is only necessary to slip an ordinary bale-hook under the end  $b'$ , and draw it out from under the hoop A, when it readily comes apart.

Having described my invention and its application and use, I claim as new, and desire to secure by Letters Patent—

Forming a bale-tie loop A, with turned edges  $a a$ , and one diagonal and one square end, arranged and applied for securing the ends of a hoop in the manner herein described.

JOSEPH KNIGHT.

Witnesses:

J. D. O'LEARY,

J. M. CARROLL.