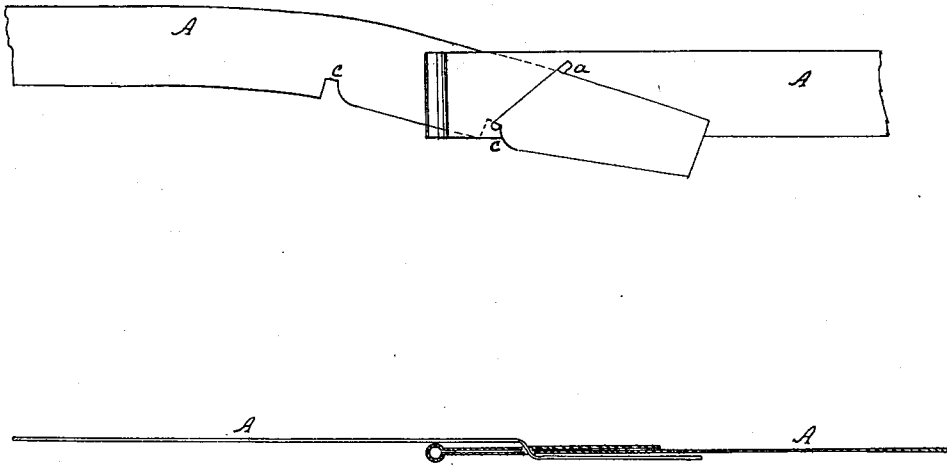


J. A. SHONE.
COTTON BALE TIE.

No. 81,018.

Patented Aug. 11, 1868.



Witnesses.
Wm A Morgan
Thos Trusche

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United States Patent Office.

J. A. SHONE, OF HOLLY SPRINGS, MISSISSIPPI.

Letters Patent No. 81,018, dated August 11, 1868.

IMPROVED 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, J. A. SHONE, of Holly Springs, in the county of Marshall, and State of Mississippi, have invented a new and useful Improvement in Bale-Ties; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved method of tying or fastening the bands on bales of cotton, or the band on other articles baled; and the improvement consists in shaping and forming the ends of the band in such a manner that they shall lock together and be securely tied and fastened, and in the manner hereinafter described.

Figure 1 represents a side view of a band with the ends cut and formed according to my invention.

Figure 2 is an edge view of the same.

Similar letters of reference indicate corresponding parts.

This bale-tie relates to bands made of hoop or band-iron used in baling cotton, and other articles of a similar nature, or all articles which are secured by bands in the bale-form, but more particularly those articles which are elastic; or such as will expand when the pressure is removed.

In carrying out my invention, I cut, punch, or form, by any mechanical means, one or more slots, *a*, near one of the ends of the band *A*, and near the other end of the bale-band I form one or more notches, *c*. This notched end is passed through the slot or slots *a* in making the tie or fastening.

The slot or slots *a* are made diagonally across the bands, or at any desired angle with the edges of the band, so that the notched end is somewhat twisted when it is passed through the slot, but so that when it is passed through and drawn so that the shoulder of the notch *c* engages with the end of the slot, as seen in the drawing, the notched end lies flat, or nearly so, on the band, as represented.

In this example of my invention, two slots are made near the end of the band, and the end is turned over, so that these slots correspond in position, and so that the notched end will pass through both slots, thus strengthening the tie, as seen in the drawing, but I do not confine myself to that particular method.

The slots and notches may be formed by dies or punches, or in any convenient manner.

It will be seen that the tie is formed on the band, no second piece being required, and that the tie is made after the ends of the band are prepared, without the use of tools of any kind.

There may be any desired number of the notches *c*, with the bearing-shoulder made of any desired form, so that variations in the size or diameter of the bales may be provided for.

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

The bale-tie, formed upon the band *A* by notching one of its ends upon the under side at *c*, and passing the same through a diagonal slot, *a*, formed in the folded opposite end, as herein shown and described.

J. A. SHONE.

Witnesses:

FRANK TERRELL,

Z. C. TERRELL.