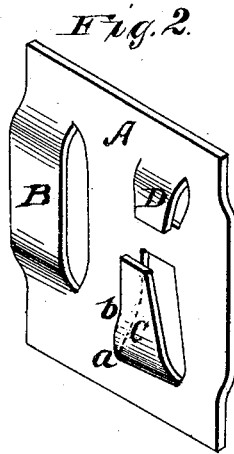
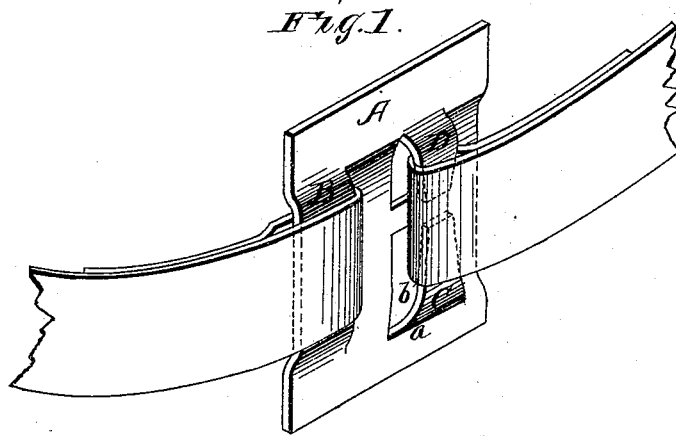


J. H. SNYDER.  
BALE-TIE.

No. 180,388.

Patented July 25, 1876.



WITNESSES  
*Frank L. Curand*  
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# UNITED STATES PATENT OFFICE.

JOHN H. SNYDER, OF RICHMOND, VIRGINIA.

## IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **180,388**, dated July 25, 1876; application filed July 11, 1876.

*To all whom it may concern:*

Be it known that I, JOHN H. SNYDER, of Richmond, in the county of Henrico, and in the State of Virginia, have invented certain new and useful Improvements in Bale-Ties; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a bale-tie, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my bale-tie with the ends of the strap-iron fastened therein. Fig. 2 is a perspective view of the tie alone.

My bale-tie consists of a square or rectangular plate, A, having a slot cut a suitable distance from and parallel with one side thereof. This slot should be about the same length as the width of the strap or band-iron used. The part B of the plate between this slot and the nearest edge is raised by stamping or pressing, as shown. C and D represent two tongues, also raised up from the surface of the plate on the same side as the raised part B. These tongues are formed by cutting the plate, as shown, and then stamping or pressing the tongues in the desired form. The tongues point toward each other, and are of unequal length. The inner edge of the larger tongue C is formed with an incline or curve from *a* to *b*, as shown.

The entire tie as constructed can be stamped out with suitable dies at one operation, if desired.

G is the strap or band-iron to go around the bale, one end of said band being passed over the part B, then around the inner edge, and under the same. The other end of the band is bent to form a loop, which is first slipped over the long tongue C as far as it will go, when the loop can be slipped over the small tongue D, and moved over the same, being then held by both tongues in place.

The incline or curve *a b* on the large tongue C causes the loop of the band to ride over the small tongue, and prevents its slipping off.

By having the tongues raised above the surface of the plate the band can be fastened with great ease, even when the tie lies flat on the bale.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The bale-tie herein described, consisting of the plate A, formed with the raised part B, and the raised tongues C D, of unequal length, substantially as and for the purposes herein set forth.

2. The plate A, formed with the raised part B, the long raised tongue C, having incline or curve *a b* on its inner edge, and the short raised tongue D, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of July, 1876.

JOHN H. SNYDER.

Witnesses:

M. L. STOWELL,  
WILLIAM L. BRAMHALL.

*Handwritten signature:* J. H. Snyder