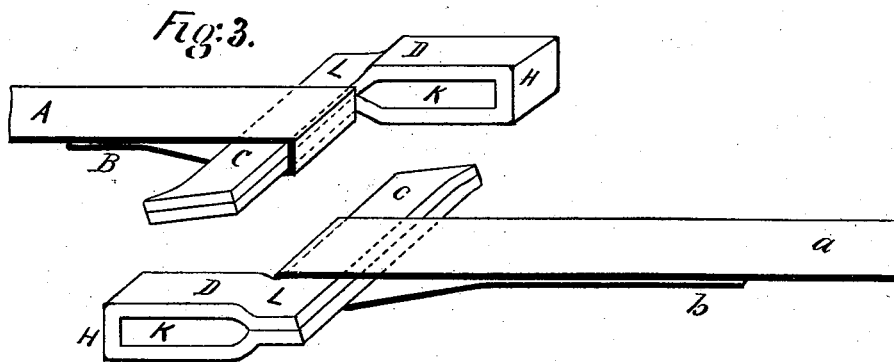
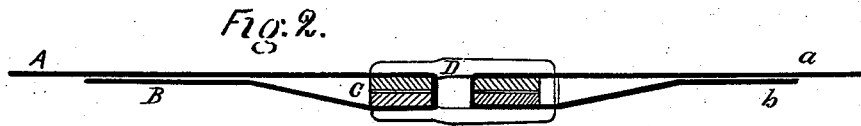
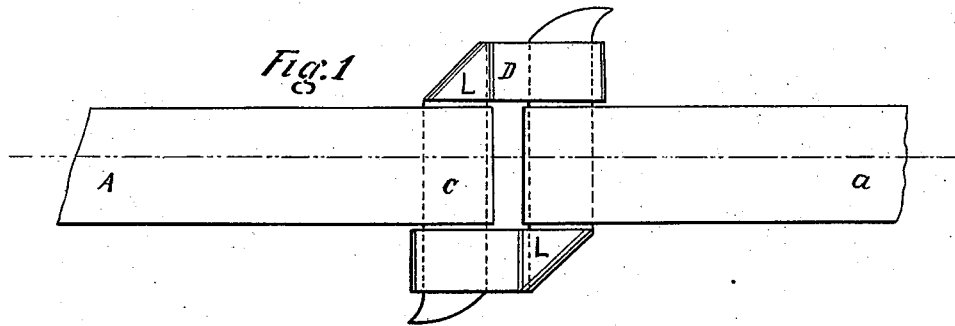


D. A. TOMPKINS.

BALE-TIE.

No. 191,291.

Patented May 29, 1877.



Witnesses { *Geo. Ziegenfuss* Inventor  
*H. B. Rhoads* *D. A. Tompkins*

# UNITED STATES PATENT OFFICE.

DANIEL A. TOMPKINS, OF SOUTH BETHLEHEM, PENNSYLVANIA.

## IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **191,291**, dated May 29, 1877; application filed April 3, 1877.

*To all whom it may concern:*

Be it known that I, DANIEL A. TOMPKINS, of South Bethlehem, in the county of Northampton and State of Pennsylvania, have invented a new and useful buckle for fastening iron ties around bales of cotton or other material, which invention is fully set forth in the following specification, reference being had to the accompanying drawing.

The object of my invention is to make a simple and strong method of fastening together the two ends of a tie which is put around a bale to hold its contents in a compressed condition.

This buckle is composed of two pieces, which may be exact counterparts the one of the other. Figure 3 of the drawing will serve to illustrate the shape of each piece, and also the method of working the buckle.

A *a B b* are the ends of the tie after it is passed around the bale. Each end is folded in next to the bale. In each folded end the piece H L C is put, as shown in the figure, and then the end C of each piece is passed through the opening K, left in the other.

The pressure of the compressed material against the ends *b* and B will produce enough friction of this end against the tie *a A* to prevent these ends slipping.

Fig. 1 shows a plan of the buckle with the tie in place, and Fig. 2 a section of the same through A *a*.

The piece H L C, Fig. 3, of this buckle may be made of small round iron or small square iron. One especial advantage of this shape is, that by folding the piece at L at right angles, the buckle may be made of the same iron as the tie itself.

I claim as my invention—

A bale-tie buckle composed of two pieces, each of which is an angled piece, with one end formed into a loop or hook, and the other to pass through the fold in the tie, the looped end of each piece to receive the other end of its corresponding piece, substantially as described.

D. A. TOMPKINS.

Witnesses:

GEO. ZIEGENFUSS,  
H. B. RHOADS.