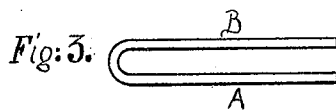
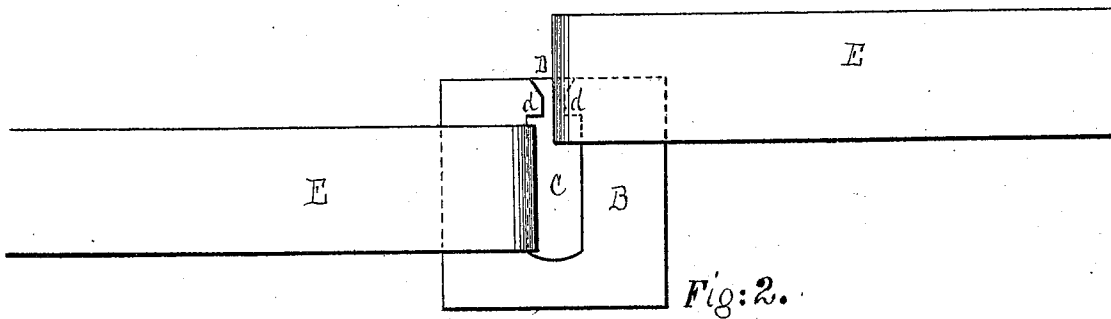
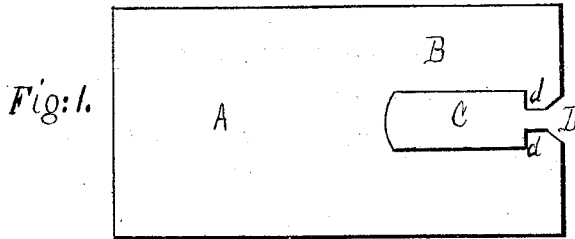


C. SWETT.

Improvement in Cotton-Bale Ties.

No. 129,188.

Patented July 16, 1872.



WITNESSES.
Edwin James.
A. Johnson

INVENTOR.
Charles Swett.
per J. E. J. Holmead,
Attorney.

UNITED STATES PATENT OFFICE.

CHARLES SWETT, OF COPIAH COUNTY, MISSISSIPPI.

IMPROVEMENT IN COTTON-BALE TIES.

Specification forming part of Letters Patent No. 129,188, dated July 16, 1872.

To all whom it may concern:

Be it known that I, CHARLES SWETT, of the county of Copiah and State of Mississippi, have invented certain new and useful Improvements in Bale-Ties, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing and the letters of reference marked thereon making part of this specification, in which—

Figure 1 is a plan view of the tie-plate unfolded. Fig. 2 is a plan view of the tie-plate folded. Fig. 3 is an edge view.

My present invention is an improvement on my application, the petition and oath of which bear even date herewith, and in which is claimed a folded plate having right-angled shoulders projecting from the corners thereof.

In my present improvement the plate is folded as described in my former application, and consists of two independent leaves having an open front for the introduction of the band, but the "right-angled shoulders" are dispensed with. The novelty of my present invention consists in cutting, in a leaf of the folded plate, a longitudinal slot having a cleft or opening leading thereinto; thus, when the band is secured by the plate, the short or outer sections of its oblate hooks are held between the plates, and are securely wedged therein through the expansive force of the bale. Another advantage of this tie is that it can be reversed when desired, so as to throw the slotted leaf next to the bale, in which case the outer ends of the oblate hooks are not in contact with the bale, but are securely held between the two leaves of the plate, in which case it is the plate itself that secures the oblate hooks, and the security of the fastening does not depend on the outer ends of the oblate hooks, being in contact with the bale, as in all other devices of like character.

The construction and operation of my invention are as follows: A B represents the tie-plate, and is punched, stamped, or otherwise cut out of any suitable metal, and is formed

with a longitudinal slot, C, having an opening or cleft, D, leading thereinto. This cleft D is cut through the wall of the slot, and at its outer surface is angular or rounded. *d d* are two shoulders at the lower section of the slot and inner surface of the cleft, against which the sides of the band E butt when the same is fastened. This tie-plate A B is folded in the form clearly shown in Fig. 3, so as to leave the sections A and B parallel, the section B being uppermost, as clearly shown in Fig. 2. The plate B then operates exactly as the ordinary slotted tie—that is, the band is introduced through the cleft and into the slot precisely as in the ties referred to; but in my tie-plate the short end of the oblate hook is, through the expansive force of the cotton, wedged in between the two leaves of the folded plate, which furnishes a most secure and durable fastening; or, when desired, the tie-plate A B may be used in a reverse form. Thus, instead of the leaf A being next the bale, the slotted leaf B may be in contact with the same, and the oblate hooks at the ends of the band E are introduced with their short sections up and resting between the leaves A and B of the plate, so that the plate itself shall secure the hooked ends of the band, and the fastening does not depend on the outer ends of the oblate hooks, being in contact with the bale.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

The tie-plate herein shown and described, consisting of the sections A B folded over or bent in the form represented in Fig. 3 of the drawing, and having the slot C in the section B, substantially as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHAS. SWETT.

Witnesses:

EDWIN JAMES,
JOS. T. K. PLANT.