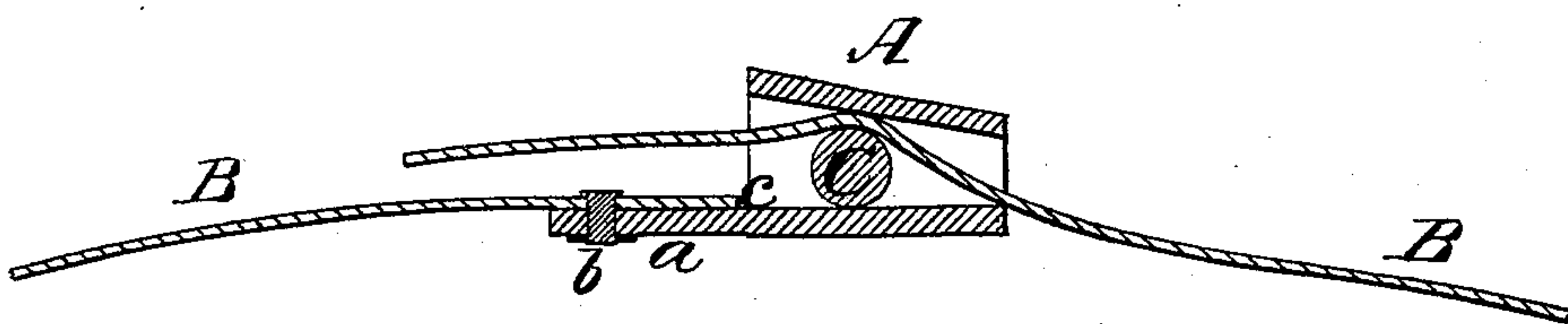


**J. M. GOLDSMITH.**  
**Cotton-Bale Fastenings.**

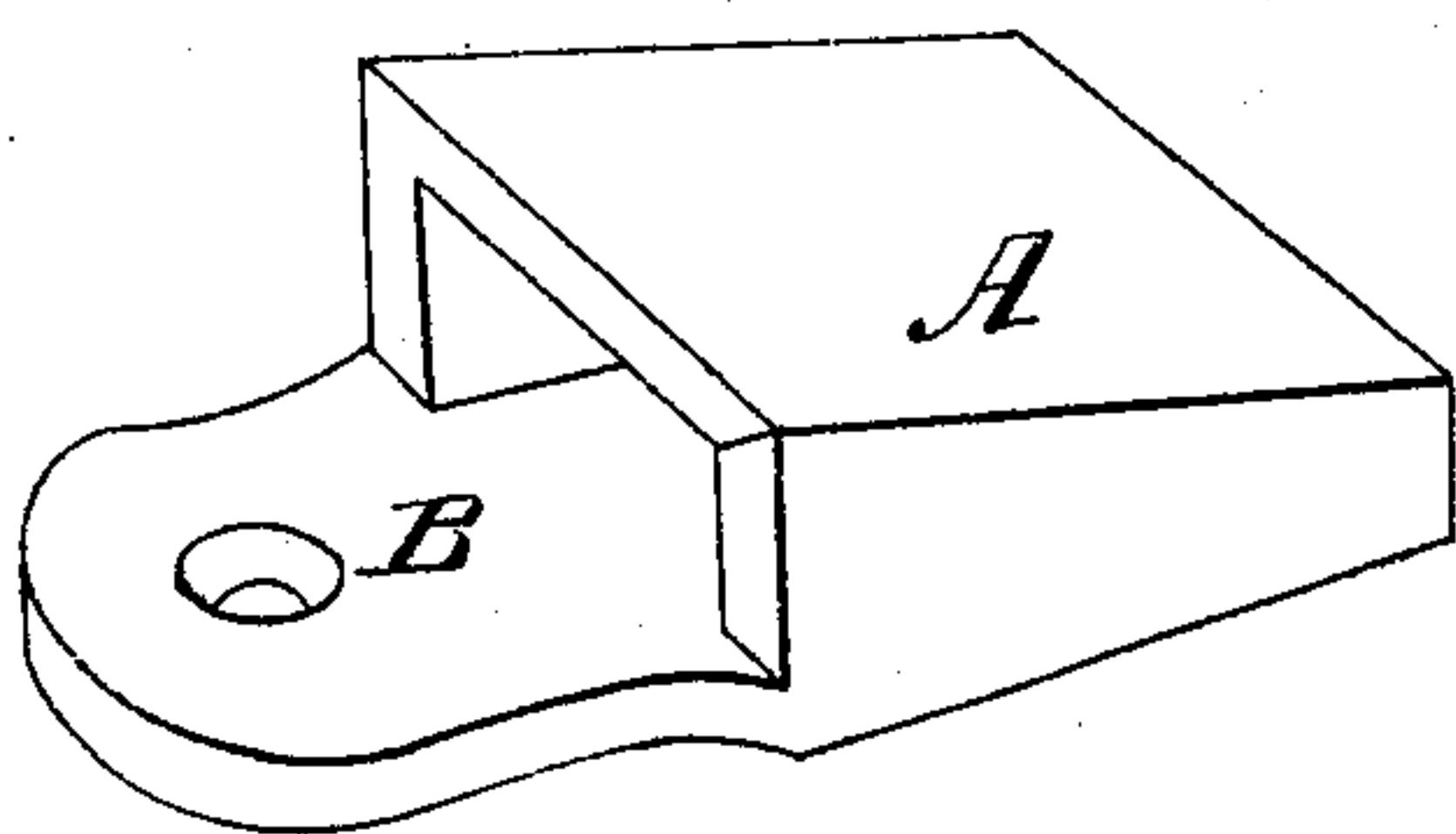
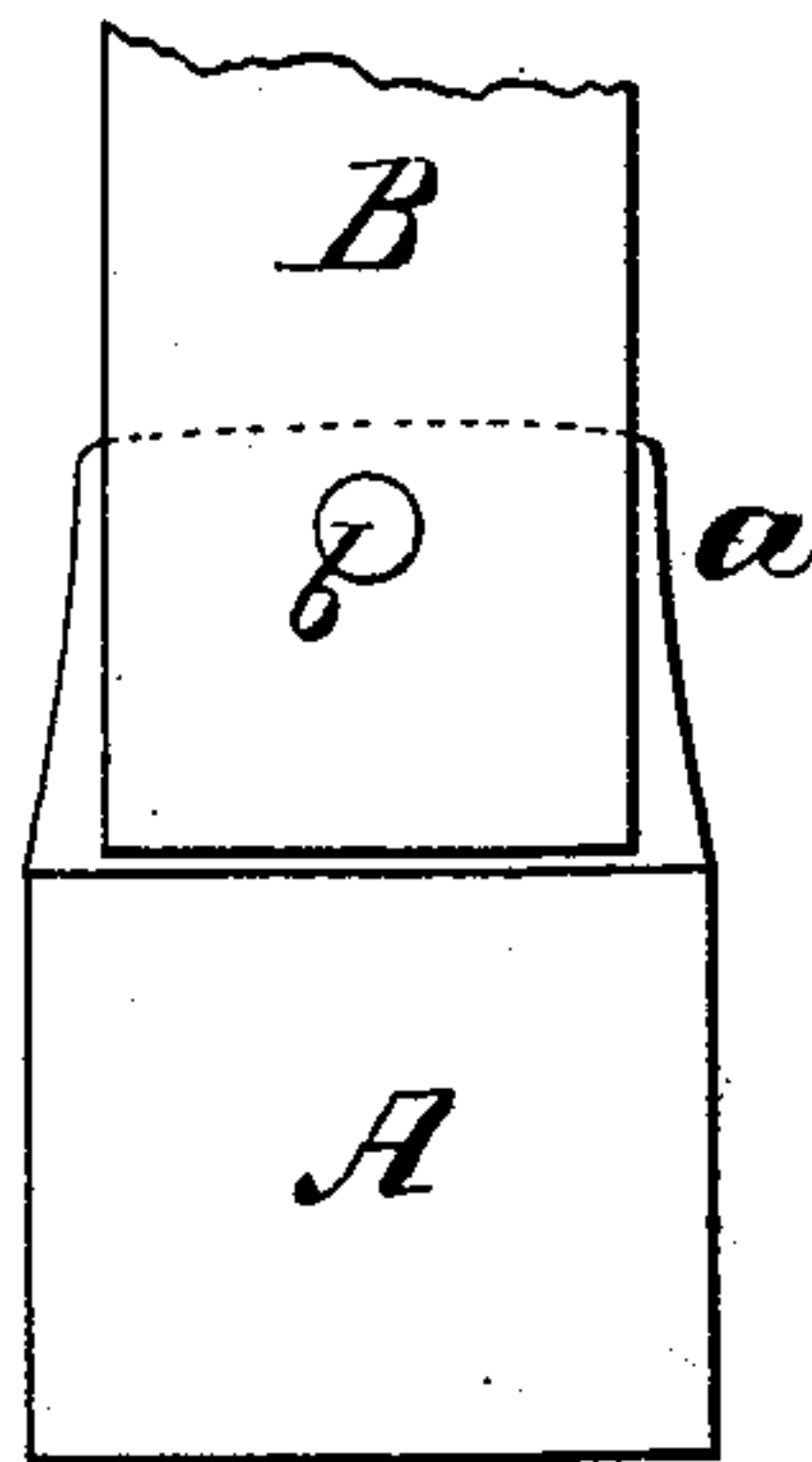
No. 148,444.

Patented March 10, 1874.

*Fig. 1*



*Fig. 2*



*Fig. 3.*



WITNESSES

*Robert Everett,*  
*George E. Upham:* By

INVENTOR

*J. Mortimer Goldsmith,*  
*Chipman Hosmer & Co.*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

J. MORTIMER GOLDSMITH, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN COTTON-BALE FASTENINGS.

Specification forming part of Letters Patent No. **148,441**, dated March 10, 1874; application filed February 7, 1874.

*To all whom it may concern:*

Be it known that I, J. MORTIMER GOLDSMITH, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and valuable Improvement in Bale-Fastenings; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a sectional view of my bale-fastening. Figs. 2 and 3 are detail views of the same.

This invention has relation to bale-fastenings wherein the band or hoop is confined around a bale by the bite of a roller in a wedge-shaped box. The improvement which I have made on fastenings of this kind consist essentially in constructing the wedge-shaped box or buckle with an extension of its lower side or base for the ready attachment to it of one end of said band or hoop by means of a rivet, as I will now proceed to explain more fully.

In the annexed drawings, A designates a metallic box having two tapered or wedge-form sides, which are the upper and lower sides proper of the box. The bottom side of this box or buckle is extended beyond the largest end or opening, as indicated at *a*, for the purpose of forming a bed or base on which to secure one end of the hoop or band B. This is done by means of a rivet, *b*, which can be readily clinched, owing to the said extension leaving room for the use of the hammer beyond the enlarged end of the said box. That end of the hoop or band B which is riveted to the box A is applied on top of the extension *a*, and consequently, by reason of the thickness of this hoop, a shoulder or abutment is left at the point *c*. C designates a roller, which is of less length than the width of the box A, so as to be received therein, and which is simply a short piece of round iron cut from a rod

by means of a cold-chisel or other convenient instrument. While the bale is under pressure in the press one end of the hoop or band is passed through the box A a proper distance and drawn tightly. The roller C is then adjusted between the end of the hoop and bottom of the box and pressed home. When the pressure is released from the bale and it is allowed to expand the roller will be caused to bite the hoop firmly and to hold it, and should there be any sudden compression of the bale or bundle by a fall of the same, or from any casual cause, the shoulder or abutment *c* will catch the roller C and prevent its expulsion from the box A. A slight depression of the free end of the hoop after a tie is made will also diminish the liability of a casual detachment of the ends of my bale-tie.

I am well aware that bale-ties have been constructed of wedge-shaped boxes, combined with rollers and balls for gripping the ends of the bands, and I wish it to be understood that I make no broad claim to these features irrespective of the improvements which I have herein set forth.

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

1. The box A, constructed with an extension, *a*, beyond its largest end, to which one end of the hoop or band B is permanently secured, as set forth.

2. The arresting shoulder or abutment *c* on the bottom of the box A, constituting part of the band B, in combination with a box, A, of wedge shape interiorly, and which has its band secured to the base-extension *a*, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

J. MORTIMER GOLDSMITH.

Witnesses:

L. W. CHAMBERLIN,  
JULES M. HILZHEIM.