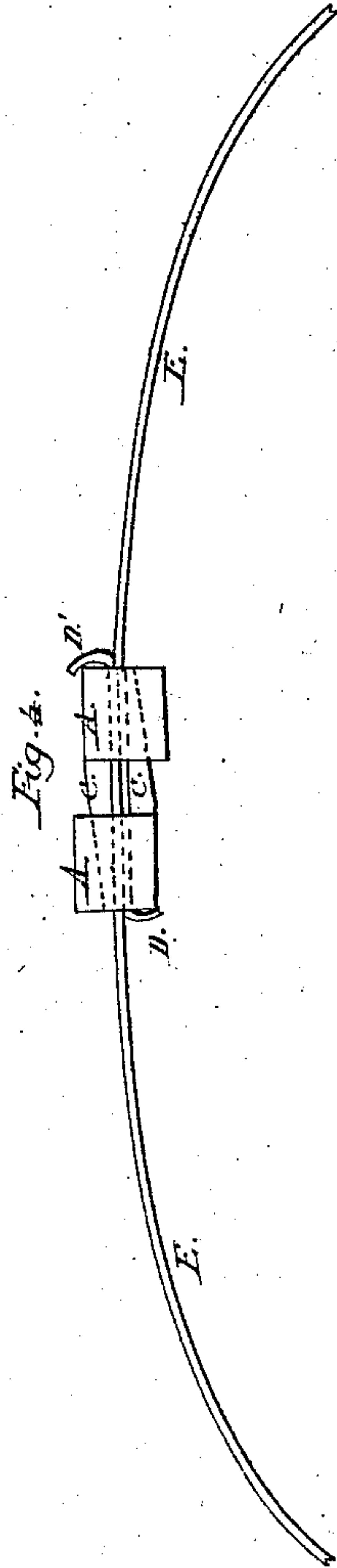
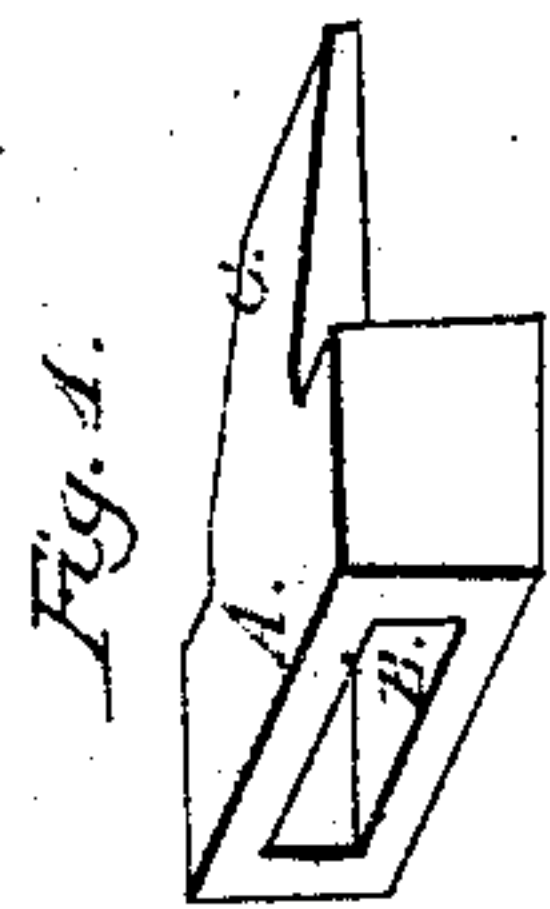
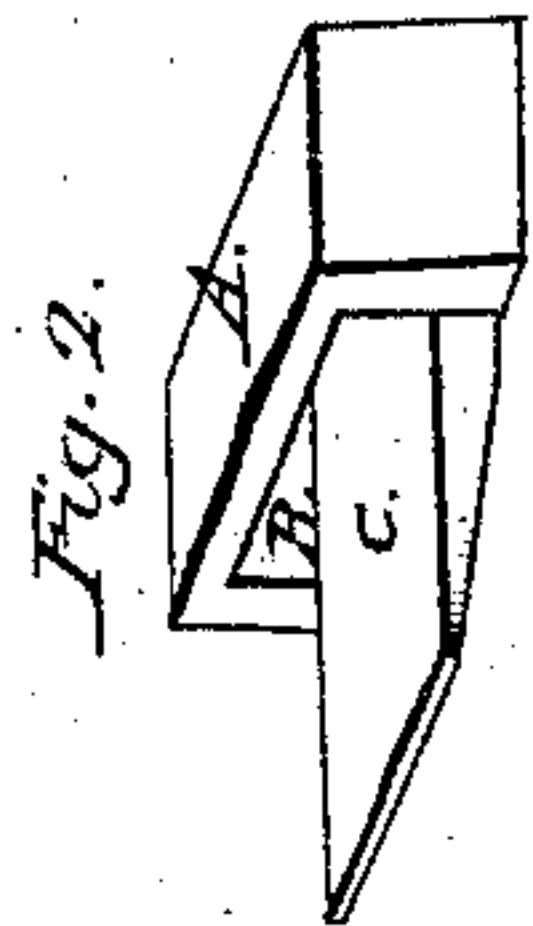
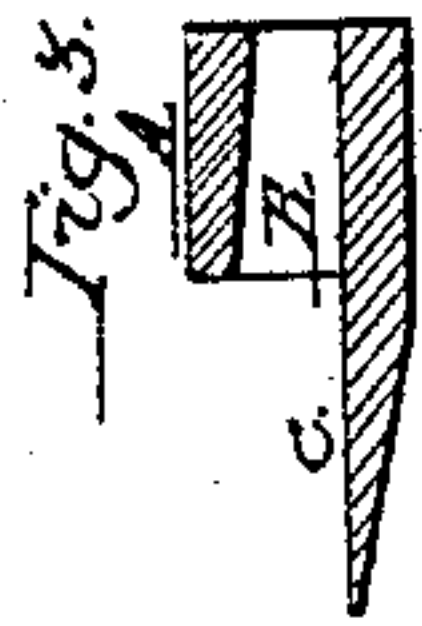


C. J. Paine.
Cotton Bale Tie.

N^o 69,120.

Patented Sept. 24, 1867.



Witnesses:

Wm. H. Fowler
J. F. Single

Inventor:

Clinton J. Paine

United States Patent Office.

CLINTON J. PAINE, OF PAINESVILLE, OHIO.

Letters Patent No. 69,120, dated September 24, 1867.

IMPROVEMENT IN 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, CLINTON J. PAINE, of Painesville, in the county of Lake, and State of Ohio, have invented an Improved Cotton-Bale Tie; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, in which—

Figures 1 and 2 are perspective views of my said cotton-bale tie.

Figure 3 a central section of the same, and

Figure 4 an elevation illustrating the mode of locking said tie—

Similar letters of reference indicating the same parts in all the drawings.

The novelty of this device is that the two parts composing it are formed precisely alike, and produced by the same mould, so that by reversing the position of one towards the other, as will be explained, a very simple and efficient lock or tie is produced, and one that can be repeatedly used until worn out, and possessing the further advantage of allowing the hoop to be tightened up whenever it becomes loose, as at the ports or places of shipment, at which place the cotton is often re-baled.

My said improved tie is constructed and used as follows:

A, fig. 1, is a rectangular body, provided with a wedge-shaped aperture, B, and a wedged-shaped elongation, C, as substantially shown in fig. 1. It consists of one whole casting, and made of any size or strength required.

In using my improved tie the end of the iron hoop or band E, fig. 4, is first slightly turned down, (as seen at D,) and the two parts constituting the tie put on in a reversed and inverted position to each other. The other end of the band E' is then inserted between the inner faces of the two wedges C and drawn tight. Then driving the outer part of the tie towards the other, by tapping it with a hammer, the band is caught and held tight between. The end of the band is then turned up and cut off, as seen at D'.

When the band becomes loose, or when re-baling the cotton, the tie is readily disconnected by a tap of the hammer applied to the outer portion. The band can now be drawn tight again, and the end cut off as before.

The said described tie or lock is also of use in trussing hay for transportation, and for bundling or baling various kinds of merchandise.

It will be seen that no previous preparation of the band-iron, as holes, slots, &c., is necessary, except the slight turning down of the end, and that the tie can be used over again repeatedly, as it can be easily taken from the hoop uninjured.

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

I claim the device, fig. 1, constructed with the wedge-shaped projection C and wedge-shaped aperture B, substantially as shown, and employed as a tie by using two of such devices inverted and reversed to each other, as explained, in combination with the hoop or band D, as and for the purpose specified.

Witnesses:

J. F. SINGLE,

J. T. DOOLITTLE.

CLINTON J. PAINE.