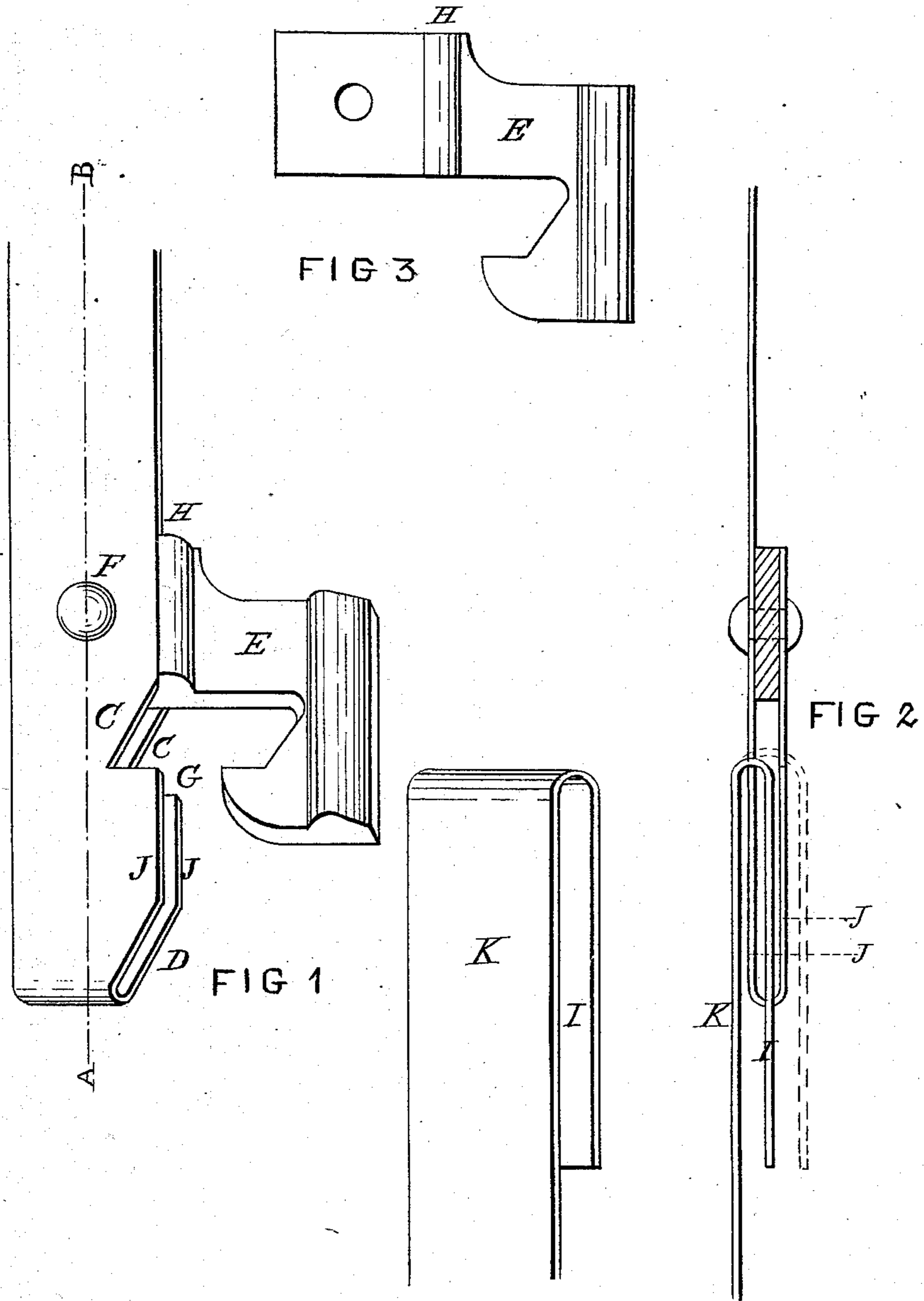


O. R. McCLEAN.  
Bale-Tie.

No. 162,844.

Patented May 4, 1875.



WITNESSES.

*J. Ward Gurley, Jr.*

INVENTOR.

*Oscar R. McClean.*

# UNITED STATES PATENT OFFICE.

OSCAR R. McCLEAN, OF NEW ORLEANS, LOUISIANA.

## IMPROVEMENT IN BALE-TIES.

Specification forming part of Letters Patent No. **162,844**, dated May 4, 1875; application filed November 10, 1874.

*To all whom it may concern :*

Be it known that I, OSCAR R. McCLEAN, of New Orleans, Louisiana, have invented a Bale-Tie, of which the following is a specification :

My invention consists of a new and useful improvement in bale-ties.

Figure 1 represents the two ends of the bale-tie ready to be adjusted together. Fig. 2 is a section through A B of Fig. 1, with the two ends locked together. Fig. 3 is a face view of the tie-plate.

Like letters refer to like parts in each view.

The object of my invention is to provide a bale-tie attached to the end of the band, which will firmly secure the ends of the band without using the expansive force of the bale, and reduce the time required at present to effect the fastening, and produce a tie that will work right or left, either side being next the bale.

In operating the majority of ties now in use great care has to be observed to see which side of the tie will be out, as they only adjust on one side, and sometimes time is lost pulling out the band from the channels of the press to reverse it and enter it so the right side will be outward. This tie of mine will work with either side of the band outward, and thus no time will be lost, while it is as expeditious as any otherwise.

To make the tie, I prepare the end of ordinary band-iron by punching two notches, C, before the band is bent over onto itself. I also cut out the scoop D. I then bend it over onto itself in a suitable machine, which brings the two notches C exactly opposite each other. I insert between the bands the tie-plate E, and rivet it fast at F.

The peculiar form of the tie-plate E, it will

be seen, in combination with the notches C, in the band, forms a band-seat ready to receive the reverse looped end K of the band through the space G, between the tie-plate E and the edges of the band.

H is a rib on the tie-plate which aids in holding it in place.

The bent end I of the looped end K slips in between the two thicknesses of the band J, which effectually locks it and prevents the looped end I drawing out, independent of the expansion of the bale. The looped end, however, may also be passed over both notches C C, and the tie will work equally as well, as shown in dotted lines at Fig. 2.

I do not claim an open slot, nor the notches in the band; but

Having described my invention, I claim—

1. In a cotton bale tie, a tie-plate riveted to and laterally projecting from a folded end of the bale-band, in combination with said bale-band, the end thereof being notched and folded, as shown, so as to provide a bearing for the looped free end of the bale-band, to enable its being held in position independently of the expansive force of the bale, substantially as specified.

2. A band-seat, one-half of which is on the folded end of the bale-band, and the other half on the tie-plate, the arrangement being such as to cause the looped free end of the band, when placed in position, to bear equally on the tie-plate and bale-band, as herein set forth.

OSCAR R. McCLEAN.

Witnesses:

F. D. TILDEN,

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