No. 702,322. Patented June 10, 1902.

C. C. P. McCORD.

BINDER FOR TRUNKS OR PACKAGES.

(Application filed Feb. 25, 1902.)

(No Model.)

Fig. 1.

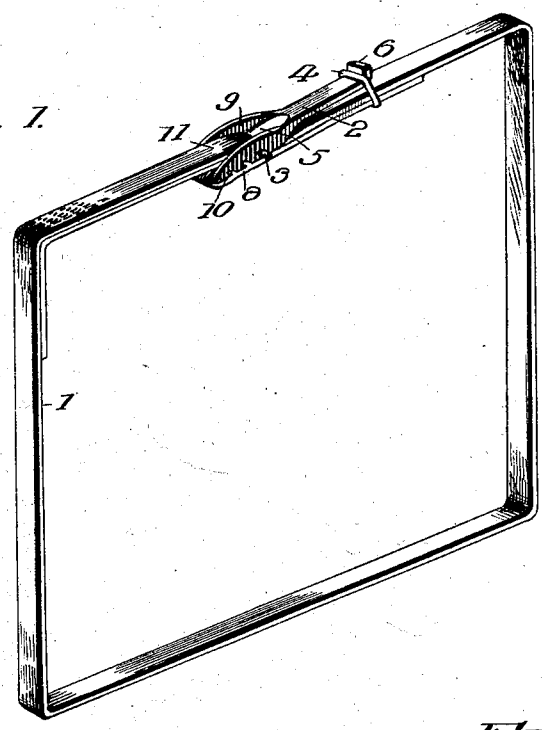


Fig. 3.

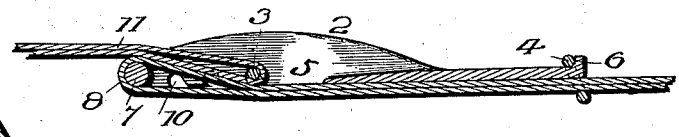


Fig. 2.

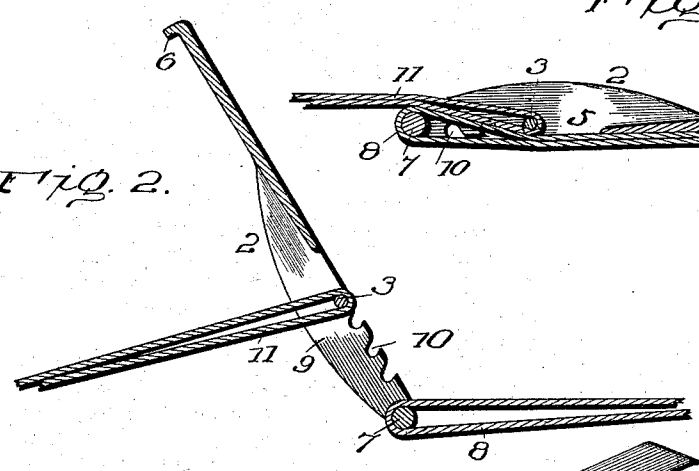
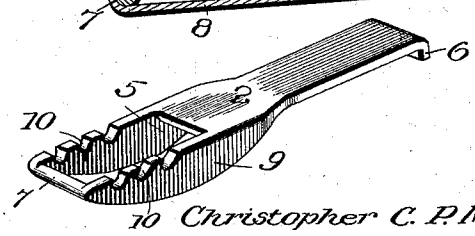


Fig. 4.



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UNITED STATES PATENT OFFICE.

CHRISTOPHER C. P. McCORD, OF CENTRALIA, ILLINOIS.

BINDER FOR TRUNKS OR PACKAGES.

SPECIFICATION forming part of Letters Patent No. 702,322, dated June 10, 1902.

Application filed February 25, 1902. Serial No. 95,540. (No model.)

To all whom it may concern:

Be it known that I, CHRISTOPHER C. P. McCORD, a citizen of the United States, residing at Centralia, in the county of Marion and State of Illinois, have invented certain new and useful Improvements in Binders for Trunks or Packages; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to binders of the type embodying a flexible tie and a straining-lever for drawing the tie tight about the article to be bound, and has for its object to provide for a nicety of adjustment of the tie to secure any required pressure after the ends of the tie have been folded or attached to the straining-lever and the pin coöperating therewith.

A further purpose of the invention is to devise a simple and effective binder which can be quickly lengthened and shortened to adapt it to the size of the package to be bound and which will lie close to the package, so as not to be in the way.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a binder embodying the invention. Fig. 2 is a side view showing the position of the straining-lever prior to drawing the tie tight about the trunk or package. Fig. 3 is a view similar to Fig. 2, showing the relation of the parts when the tie is tightened and the straining-lever secured at its free end. Fig. 4 is a perspective view of the straining-lever and pin coöperating therewith.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The binder comprises a tie 1, straining-lever 2, pin 3, and link 4. The tie 1 may be a strap, tape, iron, wire, or analogous flexible strip or strand and is of a length to completely encompass the trunk or package to be bound. The straining-lever 2 is preferably of metal and may be of malleable cast-iron, drop-forged or otherwise constructed, and has a loop 5 at one end and a hook 6 at the opposite end. The cross-bar 7 at the outer end of the loop 5 receives the fold 8 at one end of the tie 1, and the side bars 9 have corresponding notches 10 along the edges adapted to lie adjacent to the package when the binder is in position, said notches being inclined, so as to prevent accidental disengagement of the pin 3 when in engagement therewith. The pin 3 is adapted to lie in the fold 11 at the opposite end of the tie and to make adjustable connection with the straining-lever by being fitted into any one of the notches 10. The folded end 11 of the tie passes through the loop 5, after which the pin 3 is fitted into the fold and engaged with any one of the notches 10 found by trial to give the desired degree of compression when the binder is properly applied. The loose ends of the tie are clamped between the trunk, package, or bundle and the main portion of the tie, hence are prevented from slipping. If desired, the folded end portions may be secured in any desired way, either by rivets or stitching; but ordinarily this is not necessary, especially so if the tie is of hoop-iron.

In assembling the parts one end of the tie 1 is folded about the cross-bar 7 of the straining-lever, as shown at 8, and the opposite end is folded, as shown at 11, to receive the pin 3. The tie is then passed around the trunk, package, or bundle, and the straining-lever operated to draw the folded ends of the tie together, and should the tie be too tight or not quite tight enough the pin 3 is adjusted to enter any one of the series of notches 10, and after the tie is adjusted as to length the straining-lever is folded upon the package and secured by slipping the end of the link 4 over its hooked end 6.

The binder is exceedingly simple and effective and can be easily adjusted as to length and readily applied to or disconnected from the trunk, package, or bundle and in service is not liable to disengagement, and, moreover, lies close against the side of the pack-

age, thereby being out of the way and not liable to interference with any object.

Having thus described the invention, what is claimed as new is—

1. A binder for trunks, packages and the like comprising a flexible tie, a straining-lever fitted to one end of the tie and having a series of notches, a pin fitted to the opposite end of the tie and adapted to make adjustable connection with the straining-lever by engagement with any one of the said series of notches, and means for securing the straining-lever after the tie has been tightened, substantially as set forth.

2. A binder for trunks, packages and the like comprising a flexible tie, a straining-lever fitted to one end of the tie and having a loop at one end and corresponding notches along one edge of the side bars of said loop, a pin applied to the opposite end of the tie and adapted to make adjustable connection with the straining-lever by engaging any one of the series of notches thereof, and means for securing the straining-lever after the tie has been tightened, substantially as set forth.

3. A binder for trunks, packages and the like comprising a straining-lever having a loop at one end, a series of notches along one edge of the side bars of said loop, a flexible tie having an end portion folded about the cross-bar of said loop, a pin fitted in a fold at the opposite end of the tie and adapted to enter any one of the notches of the said straining-lever, and means for securing the straining-lever after the tie has been tightened, substantially as set forth.

4. In combination, a flexible tie having its end portions folded, a straining-lever having a hook at one end and a loop at the opposite end, the side bars of the loop having a series of notches along one edge, the cross-bar of the loop being fitted in one of the folds of the tie, a pin inserted in the fold at the opposite end of the tie and adapted to make engagement with any one of the series of notches of the straining-lever, and a link fitted upon the end portion of the tie carrying the straining-lever and adapted to engage over the hooked end of the said straining-lever and secure the same after the tie has been tightened, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHRISTOPHER C. P. McCORD. [L. S.]

Witnesses:
W. P. WHITE,
H. KIRKLAND.