

(No Model.)

J. F. WHITTINGHAM.

BOX FASTENER.

No. 324,201.

Patented Aug. 11, 1885.

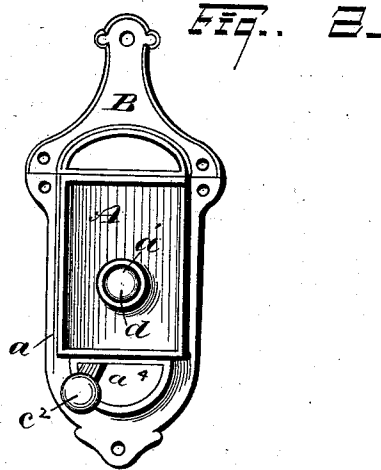
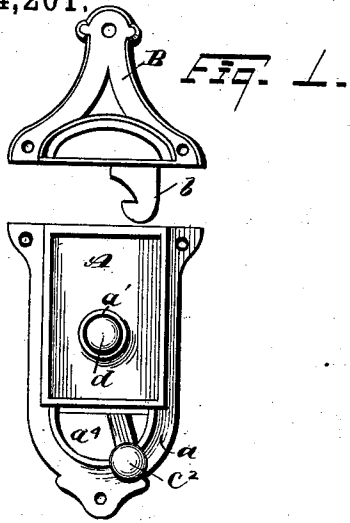


Fig. 3. Fig. 5. Fig. 4. Fig. 6.

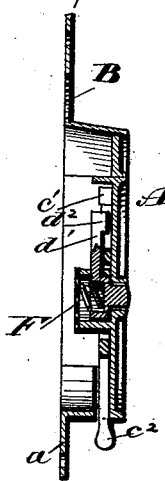
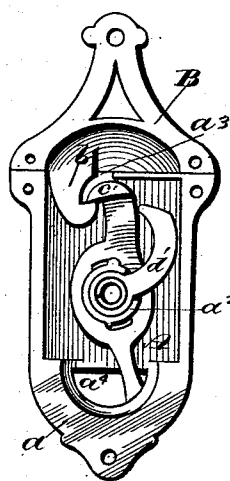
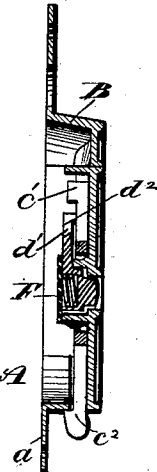
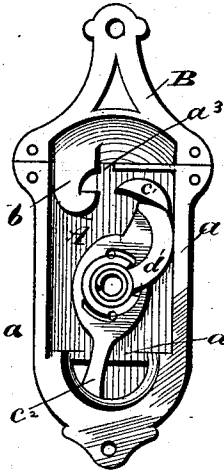
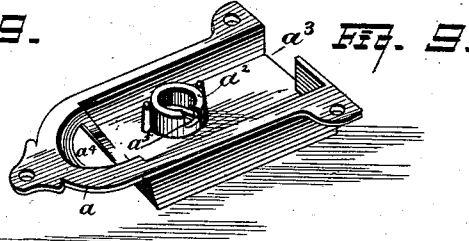
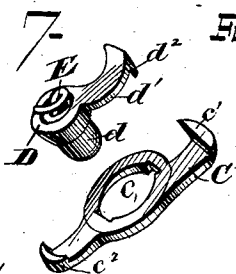


Fig. 7. Fig. 8.



WITNESSES

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BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 324,201, dated August 11, 1885.

Application filed July 19, 1884. Renewed June 18, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH F. WHITTINGHAM, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Hasp-Locks; 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 pertains to make and use the same.

My invention relates to improvements in hasp-locks; and it consists in certain features of construction and in combination of parts hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figures 1 and 2 are front views in elevation showing, respectively, my improved hasp-lock open and closed. Fig. 3 is a back view in elevation showing the hook-bolt drawn back or unlocked. Fig. 4 is the same view as Fig. 3, but shows the device locked. Figs. 5 and 6 are transverse vertical sections, the one showing the device unlocked and the other showing it locked. Fig. 7 is a view in perspective of the tumbler. Fig. 8 is a view in perspective of the hook-bolt. Fig. 9 is a view in perspective of the casing from the rear.

A represents the casing in which the movable portions of the lock are secured, and is usually attached to the body of the trunk. B is the part that is attached to the trunk-lid, and is integral with the hook C. These parts may be reversed, if preferred, and the part A may be secured to the trunk-lid and the part B to the body of the trunk.

The casing has a flat rim, *a*, that is secured to the trunk, and is integral with the rectangular portion that is open on the back side, and projects forward far enough to accommodate the bolt and tumbler. The casing has an orifice, *a'*, surrounded by a thimble, *a''*, that projects rearward, and on which the bolt C is swiveled. The end walls of the rectangular part have an opening, *a'''*, to admit the hook *b*, and an opening, *a''''*, below.

C is the bolt, provided with a central hole, *c*, that embraces the thimble *a''*, and has a hook end, *c'*, that, when moved to the right hand, engages the hook *b*, and a thumb-lever, *c''*, that extends through the opening *a''''* in the casing,

and by means of which the bolt C is turned to engage or disengage the hook *b*.

D is a thimble, and consists of a knob, *d*, that fits into the thimble *a''*, and, when pressed forward by the spring E, protrudes in front beyond the casing.

The tumbler has a shank, *d'*, provided at the end with a lug, *d''*, projecting forward. The shank *d'* extends laterally through a slot, *a''''*, in the thimble *a''*. The tumbler *d* has a central hole extending from the rear forward, part way through the knob, and forms a seat for the spiral spring E.

In assembling the parts the bolt C is placed upon the thimble *a''* from the rear, with the hook *c'* extending toward the opening *a'''*, and with the thumb-lever *c''* extending through the opening *a''''*. Next, the tumbler is placed in position, with the knob *d* extending forward through the thimble *a''*, and the shank *d'* extending out through the slot *a''''* in the thimble. Next, the spring E is inserted in its seat in the knob *d* and compressed far enough to admit of placing in position the cap F, that is merely a flat piece of metal, and is secured to the casing by small rivets, that pass alongside of the thimble and hold the plate against the end of the thimble, and thus secure the tumbler in its place in the thimble.

It will be observed that the bolt C is cut away on either side of the central opening to accommodate these rivets.

The manner of fastening the plate F is not essential. Teats might be cast on the edge of this thimble that would answer the same purpose.

When the bolt C is turned by the lever *c''* to the right hand, the hook *c'* engaging the hook *b*, that has been previously inserted in the casing by closing the trunk-lid, the tumbler is pressed forward by the spring E, and the lug *d''* draws behind the bolt, as shown in Figs. 4 and 6, and as this lug is also in contact with the casing the part *c'* is blocked in this position and retains the hook *b*. By pressing on the knob *d* the tumbler is pushed back, so that the lug *d''* is behind the bolt, and the bolt may then be turned by means of the lever *c''* to the left hand, so as to release the hook *b*.

The device is simple, cheap, and durable.

I do not wish to be understood as limiting

my device to a trunk, but claim it for all purposes for which it is adapted.

What I claim is—

1. The combination, with the thimble, the
5 hook-bolt swiveled on the thimble, and a lever for operating the bolt, of a tumbler located within the thimble and provided with an arm, a spring seated within the tumbler adapted to force the said arm into engagement with the
10 hook-bolt, and a knob attached to the tumbler for releasing it from the hook-bolt, substantially as set forth.

2. The combination, with a hook-bolt swiveled on the thimble a^2 and provided with a
15 thumb-lever extending through the casing, by means of which the bolt may be turned to lock

or unlock the hasp, of a tumbler provided with a thumb-knob extending forward through the thimble, so that it may be actuated from the front of the casing and pressed to the rear 20 to release the bolt, and provided with the shank d' , operating in the slot a^3 of the thimble, by means of which the tumbler is held in position so that it moves only forward and rearward, substantially as set forth. 25

In testimony whereof I sign this specification, in the presence of two witnesses, this 28th day of June, 1884.

JOSEPH F. WHITTINGHAM.

Witnesses:

ALBERT E. LYNCH,
CHAS. H. DORER.