

(No Model.)

A. W. JONES.
BOX FASTENER.

No. 526,491.

Patented Sept. 25, 1894.

Fig. 1.

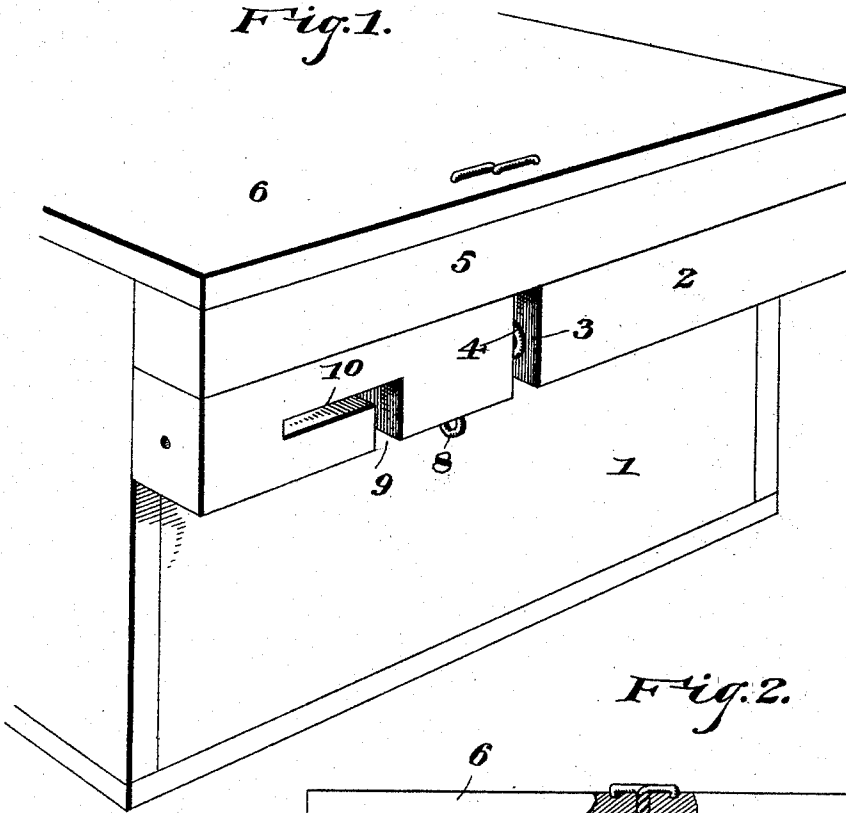


Fig. 2.

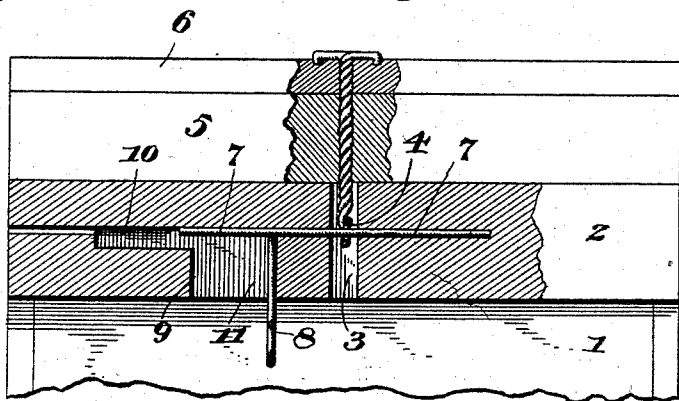
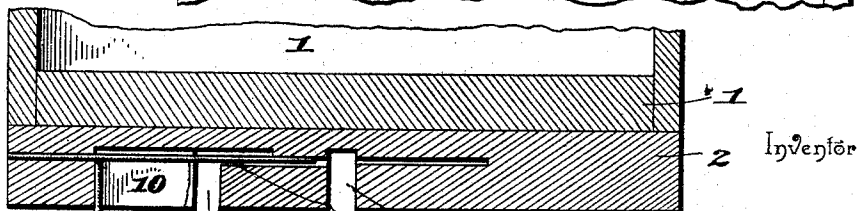


Fig. 3.



Witnesses

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By *his* Attorneys.

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UNITED STATES PATENT OFFICE.

ALBERT W. JONES, OF PRAIRIE CITY, MISSOURI, ASSIGNOR TO HENRY HARTMAN, OF SAME PLACE.

BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 526,491, dated September 25, 1894.

Application filed March 19, 1894. Serial No. 504,264. (No model.)

To all whom it may concern:

Be it known that I, ALBERT W. JONES, a citizen of the United States, residing at Prairie City, in the county of Bates and State of Missouri, have invented a new and useful Fastener for Shipping-Crates, of which the following is a specification.

The invention relates to improvements in fasteners for shipping crates.

The object of the present invention is to improve the construction of fasteners for egg and other crates, and to provide a simple and inexpensive one, which will enable a cover to be readily attached to the body of a crate, and quickly removed therefrom, and which cannot become accidentally unfastened.

The invention consists in the construction and novel combinations and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim hereto appended.

In the drawings—Figure 1 is a perspective view of a portion of an egg crate provided with a fastener constructed in accordance with this invention. Fig. 2 is an end elevation of the same partly in section, showing the position of the parts when locked. Fig. 3 is a horizontal sectional view showing the position of the parts when unlocked.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates the body of a crate, provided at each end with a horizontal cleat 2 and having a vertical opening 3 to receive a depending eye 4 of a cleat 5 of the cover 6 of the crate. The cleat 5 is adapted to rest upon the upper face of the cleat 2, which is located slightly below the upper edge of the body 1, and the eye 4 projects downward into the opening 3 of the cleat 2, and is engaged by the horizontally disposed sliding bolt 7.

The horizontally disposed sliding bolt 7 is arranged in a suitable bore or way, and is provided intermediate of its ends with an arm 8 forming a handle. The cleat 2, which has the bore or way of the bolt intersecting the vertical opening 3, is provided with a vertical slot 9, depending from and communicating with the bore or way, and adapted to permit the arm 8 of the bolt to swing downward from a horizontal position to a vertical one, and upward from a vertical position to a horizontal one. The vertical slot 9 communi-

cates with an upper horizontally disposed longitudinally arranged slot 10, and with a longitudinally disposed vertically arranged lower slot 11. The upper slot 10 is adapted to receive the arm 8 of the bolt when the arm is in a horizontal position to permit the bolt to make half a movement to carry it to the vertical slot 9 to permit the arm to be swung downward to the slot 11 to complete the movement of the bolt. In returning the bolt the arm is moved backward in the slot 11 to the vertical slot 9 and is then swung upward to the horizontal slot 10, which enables the unlocking of the bolt to be completed.

It will be seen that the fastener is simple and comparatively inexpensive in construction, that it enables the cover of a crate to be quickly secured in place and rapidly unlocked, and that it is held against any accidental unlocking.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

In a fastener for crates, the combination with the body of the crate, and a cover provided with a depending eye, of a cleat secured to the body of the crate and provided with a vertical opening to receive the said eye, and having a horizontal bolt opening intersecting the vertical opening, said cleat being provided with a vertical slot 9 and oppositely extending slots 10 and 11, the slot 10 being horizontally disposed and extending outward from the upper end of the slot 9, and the slot 11 being vertically disposed and extending inward from the inner end of the vertical slot 9, and a sliding bolt arranged in the bolt opening and engaging the eye and provided with an arm arranged to operate in said slots, whereby it is secured against accidental movement, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of witnesses.

ALBERT W. JONES.

Witnesses:

his
GEORGE X WASHINGTON,
mark
HENRY HARTMAN,
ALBERT SCHAELEMAN.