

W. D. FROST.
Box-Fastener.

No. 219,708.

Patented Sept. 16, 1879.

Fig. 1.

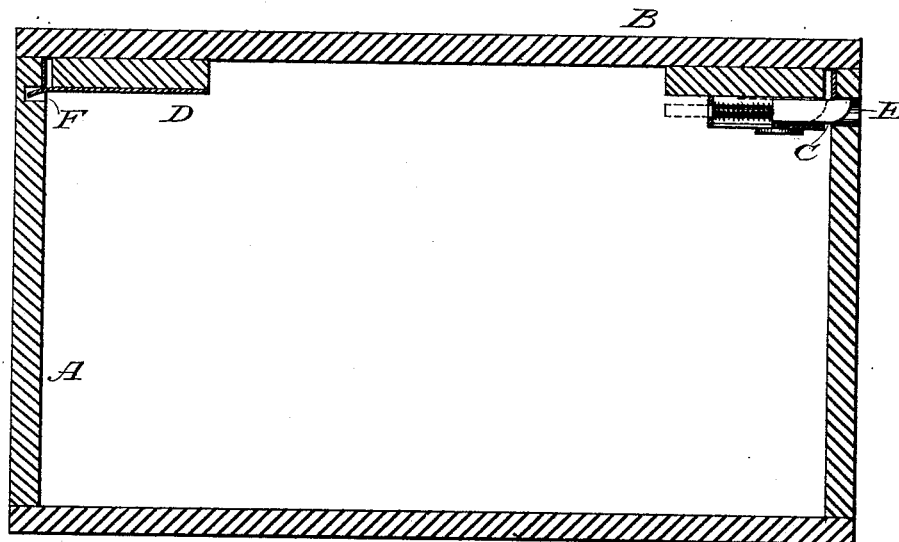
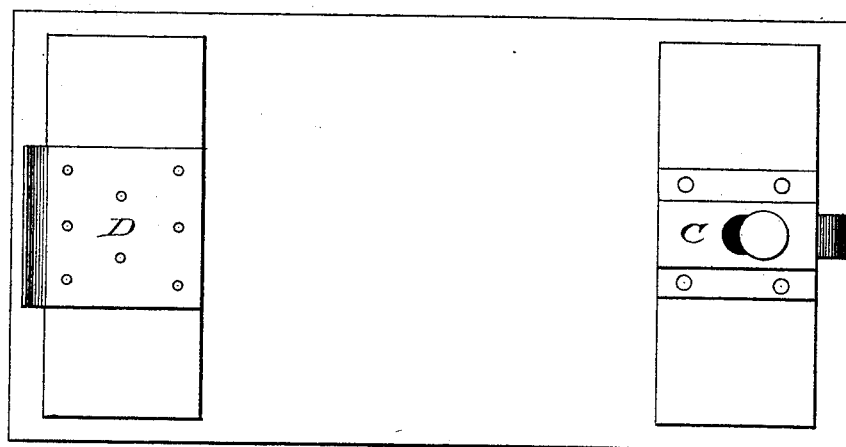


Fig. 2.



Witnesses:

Inventor:

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UNITED STATES PATENT OFFICE.

WILLIAM D. FROST, OF GRAND RAPIDS, MICHIGAN.

IMPROVEMENT IN BOX-FASTENERS.

Specification forming part of Letters Patent No. **219,708**, dated September 16, 1879; application filed March 15, 1879.

To all whom it may concern:

Be it known that I, WILLIAM D. FROST, of Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Fastenings for Shipping-Cases and other Boxes; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being made to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a longitudinal vertical section of a shipping case or box, showing my improvements as applied thereto; Fig. 2, a bottom-plan view of the cover to which the fastenings are secured.

My invention relates to certain new and useful improvements in fastenings for securing the covers on shipping cases or boxes, and more particularly to the class employing concealed spring-catches or fastenings operated through a slot or opening extending entirely through the end or side of the shipping case or box; and the invention consists in the combination, with a shipping case or box having a slot or opening through the end or side thereof, of a cover provided on its under side with a spring catch or bolt having its nose beveled outward and upward, and which engages with said slot or opening in the case or box, whereby inserting the blunt end of a pencil, stick, or other suitable instrument through the slot or opening from the outside and pressing against the beveled nose of the spring catch or bolt it will be raised, so that when free from its keeper the force of the spring and the beveled nose of the catch will partially raise the cover, thus facilitating its removal.

In the drawings, A represents a shipping case or box having an interior slot or opening, F, in one end to receive the strip D, secured to one end of the cover B, and which forms the cover-fastening at that end of the case or box. The other end of the case or box is provided with a slot or opening, E, passing entirely through it, and with which a spring catch or bolt, C, secured to the under side of the other end of the cover, is adapted to engage when

the cover is forced down tight onto or in the case or box.

The spring catch or bolt has its engaging-nose beveled outward and upward, so that in passing a blunt instrument from the outside into the slot or opening for pressing back the spring catch or bolt to unlock the cover, said catch will be raised, so that the force of the spring and the beveled nose, when free from the keeper, will partially raise the cover, thus greatly facilitating its removal without the aid of other auxiliary devices.

In shipping, the address label or card may be secured over the slot or opening in the end of the case or box, concealing said slot or opening, thus preventing the case or box being opened during transit without destroying the label or card.

I am aware that spring catches or bolts provided with similar beveled noses, and also packing cases or boxes provided with interior concealed spring-catches or other fastenings for securing the cover thereon, and which are unlocked by passing a suitable instrument through a slot or opening in the side or end of the box, are old, and such I do not desire to claim, broadly, as my invention; but,

Having thus fully described my invention, what I do claim as new, and desire to secure by Letters Patent, is—

The combination, with a shipping case or box having a slot or opening, E, through one end or side thereof, of the cover provided with a spring catch or bolt having an outward and upward beveled nose for engaging with said slot or opening, whereby in pressing back the catch or bolt to unlock the cover said catch will be partially raised, and then the force of the spring and the beveled nose of the catch, when free from the keeper, will partially raise the cover, substantially as shown and described.

WILLIAM D. FROST.

Witnesses:

DAN B. NEAL,
EDWIN A. BURLINGAME.