

F. W. MIX.
TRUNK FASTENER.

No. 186,746.

Patented Jan. 30, 1877.

Fig. 1.

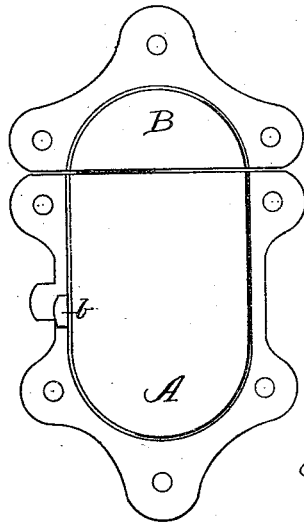


Fig. 2.

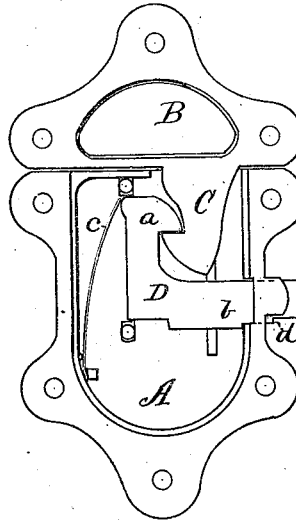
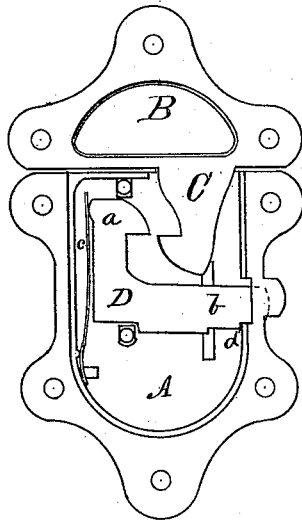


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

FRANK W. MIX, OF TERRYVILLE, CONNECTICUT, ASSIGNOR TO THE EAGLE LOCK COMPANY, OF SAME PLACE.

IMPROVEMENT IN TRUNK-FASTENERS.

Specification forming part of Letters Patent No. **186,746**, dated January 30, 1877; application filed December 30, 1876.

To all whom it may concern:

Be it known that I, FRANK W. MIX, of Terryville, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Trunk-Fasteners, of which the following is a specification:

The nature of my invention will be fully understood from the following specification and claim.

In the accompanying drawing, Figure 1 is a front elevation of a trunk-fastener which embodies my invention. Fig. 2 is a rear elevation of the same with the cap-plate removed to better show the interior mechanism; and Fig. 3 is a like view with the catch-bolt fastened back.

A designates the case, and B the upper portion to which the catch C is attached. I prefer to make these parts of cast metal, and they may be of any pleasing design. The catch is the same as those in common use for various purposes. D designates the catch-bolt, which is of knee form, the upper arm *a* forming the catch-portion and the lower and horizontal arm *b* extending through one edge of the case A to form the operating-handle. Back of the catch-bolt D is a spring, *c*, which bears upon the upper end of the upper arm *a* and crowds said bolt forward. Upon the lower edge of the horizontal arm *b* is a shoulder, *d*. By depressing the arm *b* so as to crowd it into the case A until the bolt is thrown back

far enough to disengage it from the catch C, the shoulder *d* is brought upon the inside of the case A, when the spring *c*, by bearing upon the upper end of the upper arm *a*, tilts the outer end of the horizontal arm downward, so as to engage the shoulder *d* with the edge of the case A and hold the catch-bolt back, as shown in Fig. 3. By lifting the outer end of the arm *b* the shoulder *d* is released and the spring throws the catch-bolt back to its former position.

When the catch C is forced into the case A the inclined portions of the catch C and catch-bolt D strike each other and the latter is thrown back, so as to allow the catch to enter the case, after which the spring throws the catch-bolt forward, so as to lock the fastener, as shown in Fig. 2. The fastening is released by depressing the outer end of the arm *b*, as before described.

This device is cheaply made, is substantial, and conveniently operated.

I claim as my invention—

In a trunk-fastener the shoulder, *d*, formed on the lower edge of the compound sliding and rocking bolt D *a b*, in combination with the case A and spring *c*, all operating together substantially as described, and for the purpose set forth.

FRANK W. MIX.

Witnesses:

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