

T. FROST.

Sash-Fasteners and Tighteners.

No. 136,232.

Patented Feb. 25, 1873.

Fig. 1.

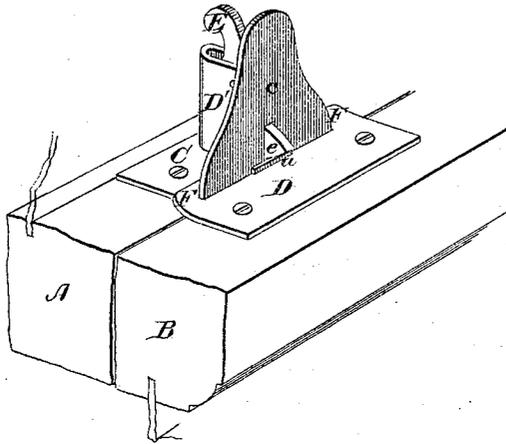


Fig. 2.

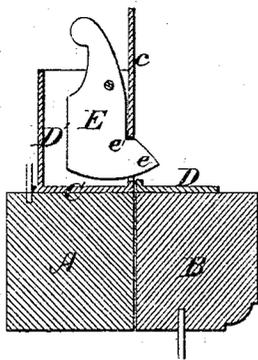


Fig. 3.



Witnesses.
C. F. Brown
Dr. H. Ellsworth.

Inventor.
T. Frost.
by his Attys.
H. Ellsworth.

UNITED STATES PATENT OFFICE.

HERON FROST, OF PIERMONT, NEW YORK.

IMPROVEMENT IN SASH FASTENERS AND TIGHTENERS.

Specification forming part of Letters Patent No. 136,232, dated February 25, 1873.

To all whom it may concern:

Be it known that I, HERON FROST, of Piermont, in the county of Rockland and State of New York, have invented a new and Improved Combined Sash Fastener and Tightener; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a perspective view from the rear side of the apparatus. Fig. 2 is a transverse vertical section, and Fig. 3 a top view of the lower sash-plate.

Similar letters of reference in the accompanying drawing denote the same parts.

The object of this invention is to combine a sash-lock and an anti-rattling device for windows in one simple, cheap, and convenient improved article of manufacture; and to this end the invention consists in the improved construction and combination of parts, substantially as I will now proceed to describe.

In the drawing, A is the lower rail of the upper sash, and B the upper rail of the lower sash. C is the plate for the upper sash, and D the plate for the lower one. The plate C is screwed directly to the upper side of the rail A, and has a vertical flange, *c*, extending upward from its inner edge and flush with the inside of the rail. To the outer side of the flange *c* is secured, in any sufficient manner, a case, D', in which is pivoted a latch, E, which latch has a tooth, *e*, with an inclined upper edge, and extending inward through a slot in the flange *c*, and kept in this position by the weight of the latch, except when thrust backward. The plate D is screwed directly upon

the upper side of the rail B, flush with the outside thereof, so that when either the upper sash, having been lowered, is raised, or the lower sash, having been raised, is lowered, the inclined tooth *e* comes in contact with the edge of the plate D, and is moved back. After clearing the plate D the tooth *e* moves out again by its own weight over the plate, and thus locks the sashes. The tooth *e* is constructed with a shoulder, *e'*, as shown in Fig. 2, which bears against the flange *c*, and takes from the pivot of the latch part of any strain that may be exerted upon the latter, either by pushing up on the lower sash or pulling down on the upper. F are lugs extending backward from the ends of the lower plate, and curving inward toward each other so as to form grooves *i* of such width that the flange *c* fits them closely when both sashes are closed, so that these lugs prevent rattling of the sashes. A step, *a*, rising from the plate D fills the space between the latter and the tooth *e*, and thus insures a tight lock.

The parts of this device may be cast or struck out of any suitable metal.

What I claim as new is—

As an article of manufacture, the combined sash fastener and tightener herein described, consisting essentially of the plates C D, constructed, respectively, with the slotted flange *c* and lugs F, the case D', and the tooth E, constructed with the shoulder *e'* and tooth *e*, all combined as described.

HERON FROST.

Witnesses:

GEO. E. BROWN,
MELVILLE CHURCH.