A. A. ARMSTRONG.
Sash-Fastener.

No. 217,313. Patented July 8, 1879.

Fig. 1

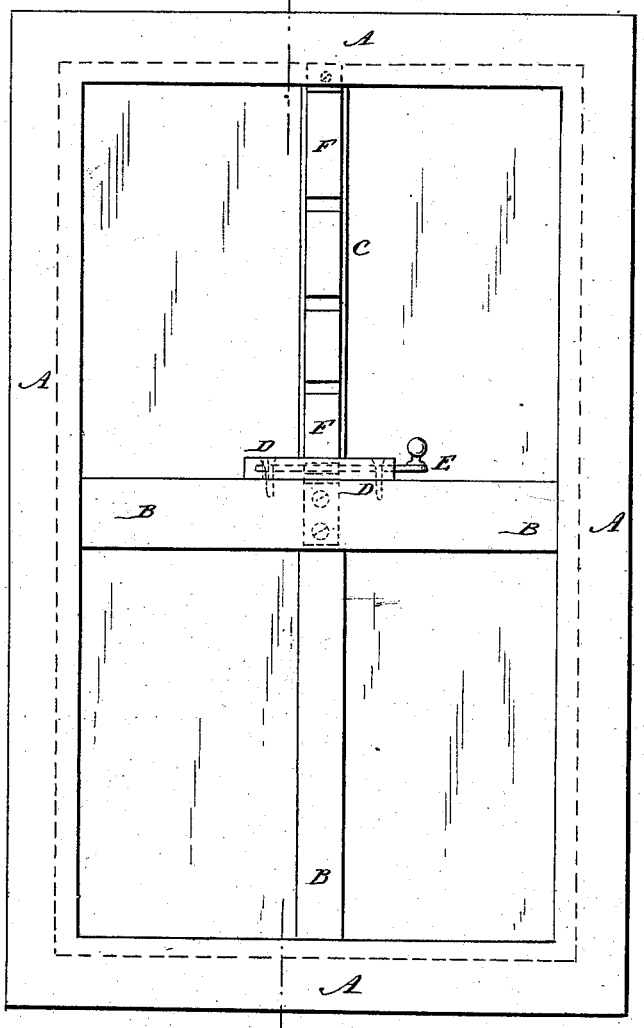


Fig. 2

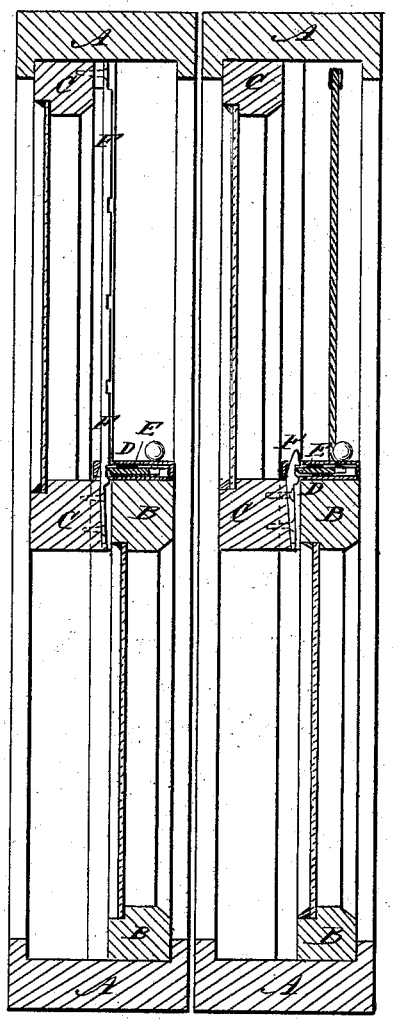


Fig. 3

Fig. 7

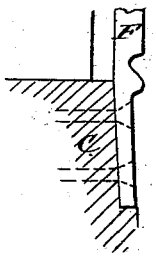


Fig. 4

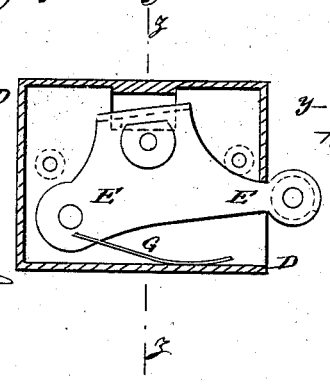


Fig. 5

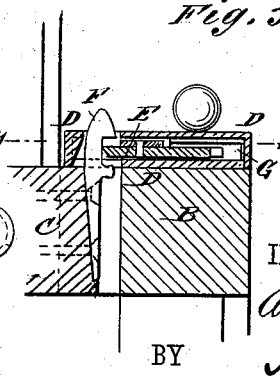
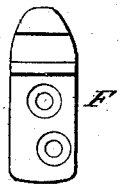


Fig. 6



WITNESSES:

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UNITED STATES PATENT OFFICE.

ANDREW A. ARMSTRONG, OF MILFORD, PENNSYLVANIA.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **217,313**, dated July 8, 1879; application filed May 2, 1879.

To all whom it may concern:

Be it known that I, ANDREW A. ARMSTRONG, of Milford, in the county of Pike and State of Pennsylvania, have invented a new and useful Improvement in Sash-Locks, of which the following is a specification.

Figure 1 is a front view of a window to which my improvement has been applied. Fig. 2 is a vertical section of the same, taken through the line *x x*, Fig. 1. Fig. 3 is the same section as Fig. 2, but showing a modification. Fig. 4 is a detail horizontal section of the lock, taken through the line *y y*, Fig. 5. Fig. 5 is a detail cross-section of the same, taken through the line *z z*, Fig. 4. Fig. 6 is a detail front view of the modified form of the catch-bar. Fig. 7 is a detail side view of the lower part of the catch-bar.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved sash-lock for windows which shall be simple in construction and convenient and reliable in use, being so constructed that it cannot be unfastened from outside the window, whether the sash be locked when closed or when partly raised, and which will prevent all rattling.

The invention consists in a sash-lock formed of the case, the pivoted latch, the spring, and the notched catch-bar, whether the said catch-bar be made short or long, as hereinafter fully described.

A represents the casing, B the lower sash, and C the upper sash, of a window, about the construction of which parts there is nothing new.

To the middle part of the upper side of the meeting-rail of the lower sash, B, is secured a metallic case, D, in the cavity of which is placed a latch, E.

The latch E is pivoted near one end to the end part of the bottom plate of the case D, and its other end projects through a slot in the end of the said case D, and is provided with a knob or other handle for convenience in operating it.

The middle part of the forward edge of the latch E projects so as to pass over the rear or inner part of a hole through the forward part of the case D and engage with the catch-bar F, that passes through the said hole.

The forward part of the case E projects beyond the edge of the meeting-rail of the lower sash, B, so as to overlap the forward part of the upper side of the meeting-rail of the upper sash, C, and bring the hole through the said case D over the joint between the said meeting-rails, to allow the bar F, attached to and let into the forward side of the meeting-rail of the upper sash, to pass through the said hole.

When the sashes require to be locked only when closed, the catch-bar F may be made short, and may be provided with a single cross-notch in its forward side to receive the latch E, as shown in Figs. 3, 5, and 6; but when the sashes are required to be locked when closed and when opened more or less, the bar F may be made long, and may have several cross-notches formed in its forward side to receive the said latch, so that the said sashes may be locked in any desired position. In the latter case the upper end of the bar F is attached to the top bar of the upper sash, C, as shown in Figs. 1 and 2.

The latch E is held forward to engage with the catch-bar F by a spring, G, one end of which is attached to the said latch, and its other end rests against the side of the case D, as shown in Fig. 4.

I am aware that spring-catches have been attached to the upper rails of both sashes, so as to engage notched bars extending the whole length of the window or the length of the upper sash only; and I am also aware that a spring-catch attached to the upper sash and adapted to enter holes in the lower sash is not new; but

What I claim, and desire to secure by Letters Patent, is—

A sash-lock formed of the case D, notched to receive the bar F, the pivoted latch E, the spring G, and the notched catch-bar F, whether the said catch-bar F be made short or long, substantially as herein shown and described.

ANDREW ADAMS ARMSTRONG.

Witnesses:

J. F. PINCHOL,

J. S. WALLACE.