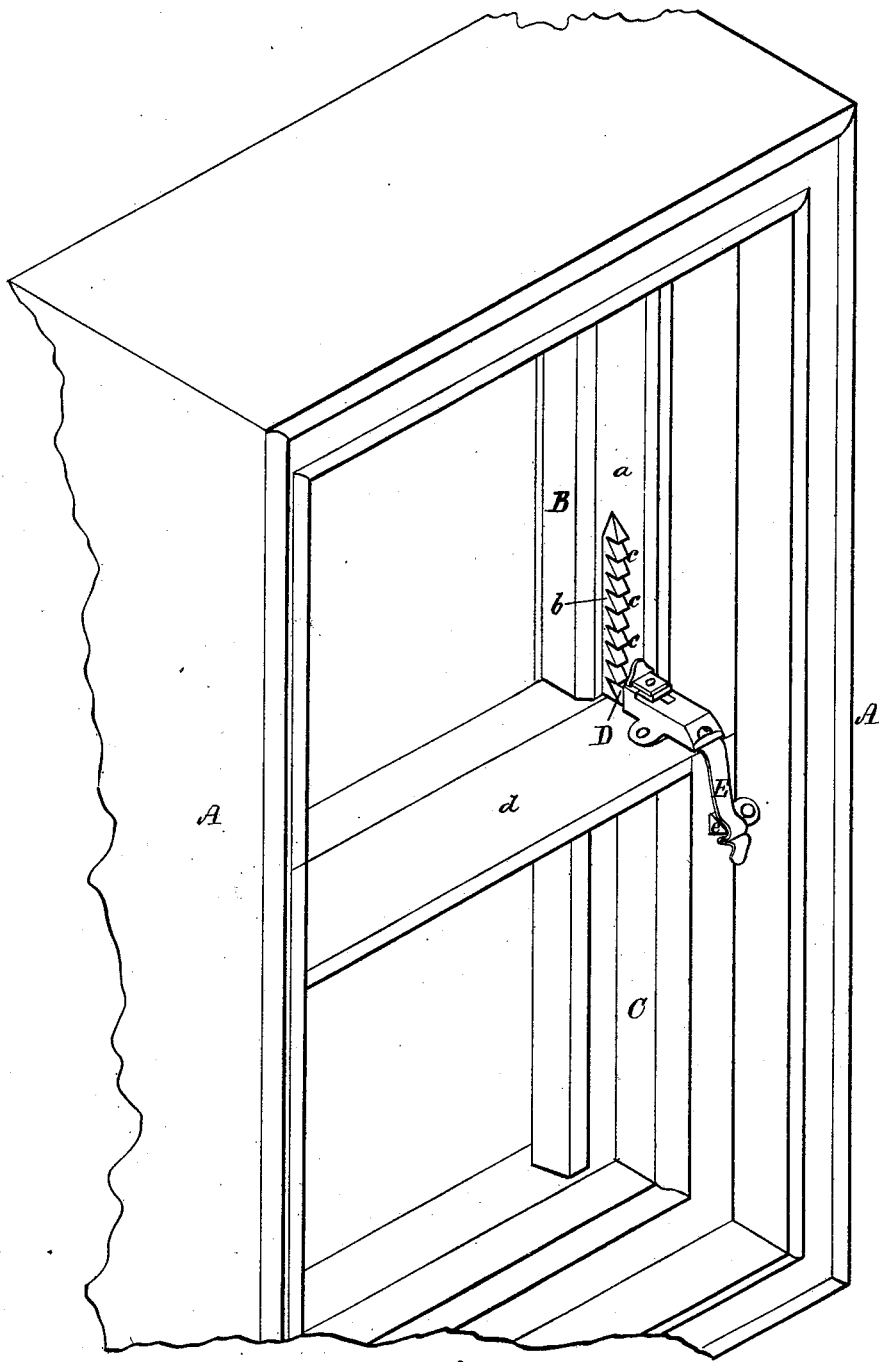


C. E. HICKS.
SASH-FASTENER.

No. 190,759.

Patented May 15, 1877.



Witnesses,
J. H. Newell.
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Inventor,
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UNITED STATES PATENT OFFICE.

CHARLES E. HICKS, OF CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **190,759**, dated May 15, 1877; application filed April 9, 1877.

To all whom it may concern:

Be it known that I, CHARLES E. HICKS, of Chelsea, Suffolk county, Massachusetts, have invented certain Improvements in Window-Sash Locks, of which the following is a specification:

These improvements consist in a ratchet-toothed bar affixed to the upper sash, and a spring-bolt affixed to the lower sash, and operating, in connection with such ratchet-bar, to hold the upper sash at any desired altitude, and the combination, with such ratchet and bolt, of a spring-latch, applied to the lower sash, and operating with a catch affixed to the adjacent part of the window-frame, to prevent raising of the two sashes together when the upper one is open, the whole being essentially as hereinafter more fully described and claimed.

The drawing accompanying this specification represents an isometric elevation of a window-frame and sashes with my improvement applied thereto.

In the drawing, A represents a window-frame, and B the upper, and C the lower, sash of a window of ordinary construction. To one side bar, *a*, of the upper sash B, and at the lower part of such bar, I secure an upright plate, *b*, provided on its face with ratchet or saw teeth *c c*, &c., sloping downward, while engaging such ratchet is a horizontal spring-bolt, D, secured to the top of the upper bar *d* of the lower sash C.

When it is desired to ventilate an apartment, the bolt D is retracted, or withdrawn from the ratchet, and the upper sash lowered to the desired extent, when the bolt is released and engages the ratchet, thus arresting farther descent of the said sash, and preventing ingress by way of the opening at the top of the window.

The bolt D also serves, when the upper sash is closed, as a lock to the lower sash; or, if desired, the bolt may be retracted, and secured in such a position by any proper method, and the upper sash raised and lowered to any desired extent without obstruction on the part of the bolt.

To provide a lock for the lower sash while the upper sash is open, in order to prevent raising the two together from the outside to the extent which the upper one may be open, I combine with the bolt D a pendent spring-catch bar, E, which engages a spur, *e*, affixed to the adjacent part of the window-frame, and this catch-bar is to be so constructed and combined with the case of the bolt D that it is capable of expansion and contraction, in order to adapt it to sash-bars of varying widths.

It might often occur, while the upper sash was slightly lowered, that a burglar, or other dishonestly-inclined person, in attempting to farther lower such sash, and finding it impossible to do so, would raise it somewhat preparatory to again attempting to push it down. This would result in the bolt D slipping over the ratchet-bar, and producing a sound resembling that of a watchman's rattle, thus giving notice to the inmates of the building or apartment that the window was being tampered with.

I claim—

In combination with the two sashes B and C, the ratchet *b*, spring-bolt D, and latch or catch-bar E, the latter operating with the stud *e*, and the whole being essentially as and for the purposes stated.

CHAS. E. HICKS.

Witnesses:

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