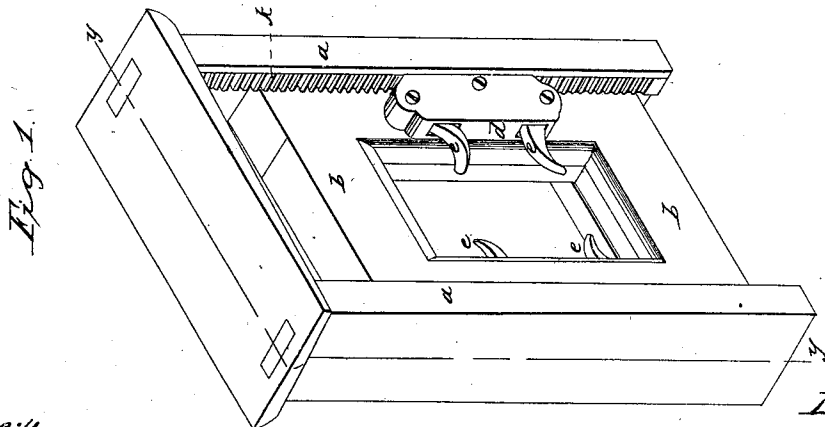
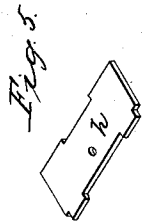
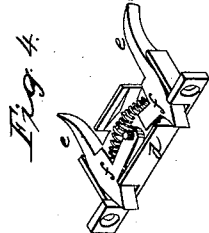
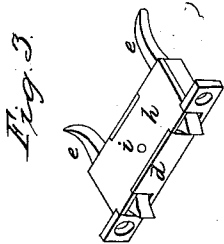
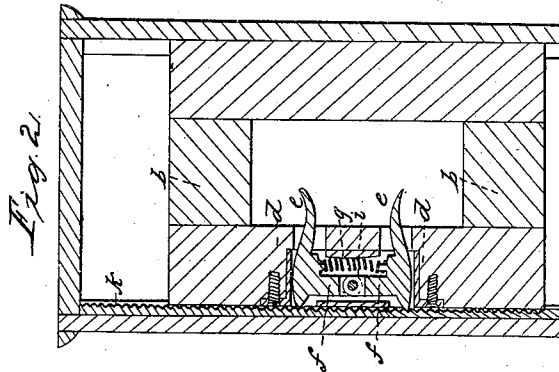


W. N. MARTIN.
SASH HOLDER AND FASTENER.

No. 33,488.

Patented Oct. 15, 1861.



Witnesses:
Giles B. Enns.
Randolph Boyle Jr.

Inventor:
W. N. Martin
By his Attorney
J. E. Robbins

UNITED STATES PATENT OFFICE.

WILLIAM N. MARTIN, OF PROVIDENCE, RHODE ISLAND.

SASH HOLDER AND FASTENER.

Specification forming part of Letters Patent No. 33,488, dated October 15, 1861.

To all whom it may concern:

Be it known that I, WILLIAM N. MARTIN, of Providence, in the county of Providence and State of Rhode Island, have invented a new and Improved Window-Sash Holder and Fastener; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, which form a portion of this specification.

Figure 1 is a perspective view of a detached window-frame containing a single sash *b*, which has two of my improved sash-fasteners combined therewith; Fig. 2, a section in the line *y y* of Fig. 1; Fig. 3, a perspective view of the sash portion of my improved sash-fastener, and Figs. 4 and 5 views which illustrate in detail the construction of said sash-fastener.

The sash portion of my improved sash-fastener is composed of the two angular hand-levers *e f e f*, the pivot *i*, the spring *g*, and the embracing-box *d h*, the shape, arrangement, and combination of which parts are clearly represented in the accompanying drawings.

The window-frame portion of my improved sash-fastener consists of a rack-bar *k*, the teeth of which are so proportioned as to allow both the outwardly-projecting tooth-shaped ends of the hand-levers *e e* to simultaneously fit into the notches between the said rack-teeth, as shown in Fig. 2.

It will be perceived that the shape and arrangement of the hand-levers *e e* are such that the spring *g* serves the purpose of forcing outward the tooth-shaped ends of said levers through appropriate apertures in the outer side of the casing of the same, and that this is accomplished by forcing the inwardly-projecting portions of said levers outward from each other. Consequently the act of drawing the said inwardly-projecting ends of the levers *e e* nearer to each other by closing the hand upon them will draw the tooth-shaped

outer ends of said levers back into the casing of the same.

When the sash which is to be supplied with my improved sash-fastener has a sufficient degree of thickness, the lever-box *d h* is let into a mortise formed in one of the side bars of the sash, and the hand-levers *e e* project inwardly through suitable apertures formed in the bottom of said mortise, as shown in Fig. 2, and when thus arranged the rack-bar *k* is secured to the portion of the window-jamb immediately opposite the outer face of the sash-bar which receives the said lever-case, as also shown in Fig. 2.

My improved sash-fastener may be combined with a car-window, or any other window which has a thin sash, by securing the lever-case *d h* to the face of one of the sash-bars, and then securing the rack-bar *k* to the inner face of the strip *a*, which retains the said sash in its position within the window-frame, as shown in Fig. 1.

It will be perceived that my improved sash-fastener will securely hold a sash in any position, either open or closed, that may be given to it, and also that the levers *e e* serve the purpose of handles, and thereby give a firmer hold for the hand of the operator in opening and closing the sash.

Having thus fully described my improved sash-fastener, what I claim therein as new, and desire to secure by Letters Patent, is—

The arrangement of the levers *e f e f*, the pivot *i*, the spring *g*, and the casing *d h* with each other and with the rack-bar *k*, in the manner herein set forth.

The above specification of my improved window-sash holder and fastener signed and witnessed this 8th day of April, 1861.

WILLIAM N. MARTIN.

Witnesses:

CHARLES F. BROWNELL,
SULLIVAN BALLOU.