V. FREEMAN.
Sash-Holders.

No. 196,002. Patented Oct. 9, 1877.

Fig. 1.

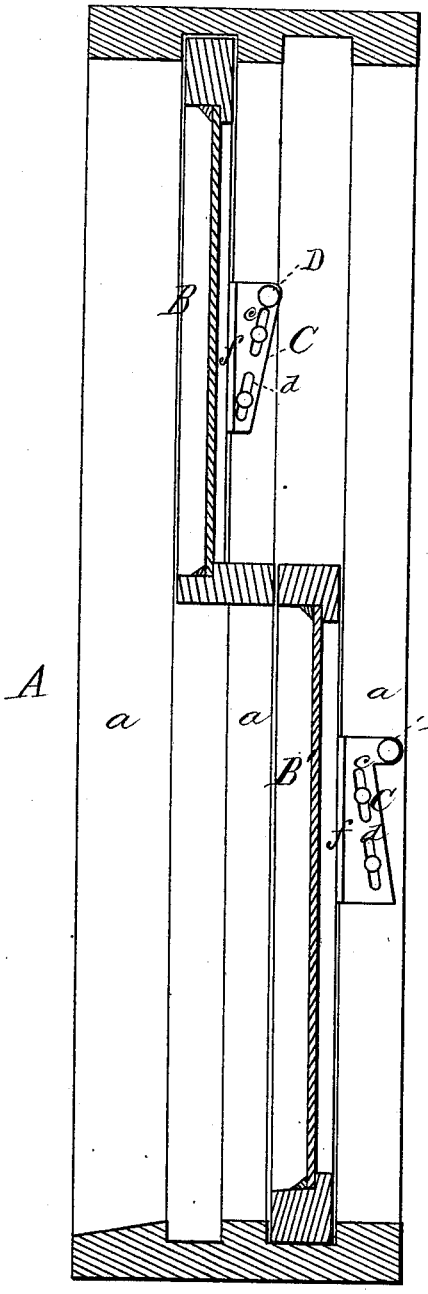
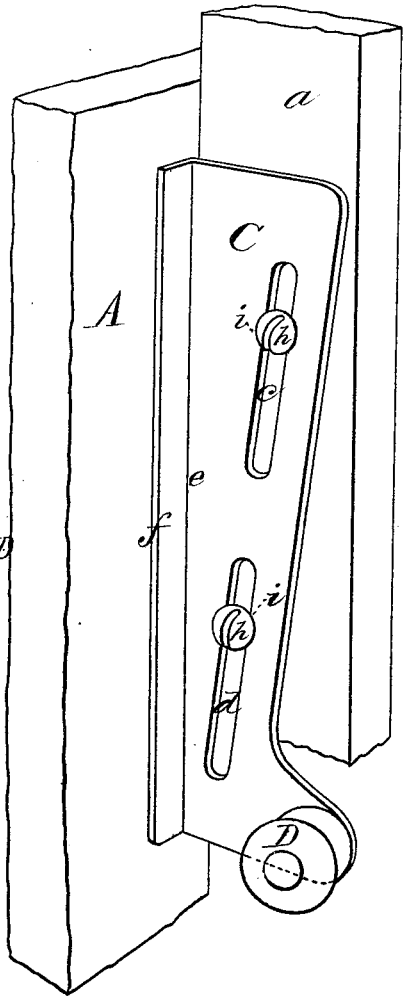


Fig. 2.



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VIRGINIUS FREEMAN, OF NORFOLK, VIRGINIA.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. **196,002**, dated October 9, 1877; application filed February 21, 1877.

To all whom it may concern:

Be it known that I, VIRGINIUS FREEMAN, of Norfolk, in the county of Norfolk and State of Virginia, have invented a new and valuable Improvement in Sash-Locks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical section of the window frame and sashes, showing the locks applied; and Fig. 2, a detail perspective view of the lock applied to a section of the sash and guide-strip.

This invention has relation to improvements in sash buttons or locks; and it consists in combining with a window-frame and its sash a wedge-shaped metallic plate having oblong slots formed therein, oblique to one edge thereof, and in line with each other, which plate is secured to the jamb of the frame, with the edge aforesaid parallel to the sash, by means of a guide pin or pins passing through each of said slots into the frame, whereby the sash will be jammed against its outer strip when an endwise motion is imparted to the said plate, all as hereinafter more fully shown, described, and claimed.

In the accompanying drawings, the letter A designates an ordinary window-frame, containing the usual sashes B B′, guided in their movements by means of the customary strips *a*. C represents the button-plate, the same being of the general form of a wedge, in which two or more oblong slots, *c d*, are cut. These slots are in line with each other, and are oblique to one of the edges *e* of the plate. This edge *e* is designed to bear against the sash when in position, and will have a flange, *f*, formed thereon at right angles to the body of the plate, and extending throughout its entire length, thus forming a broad bearing-surface.

The plate C is secured to front strips *a*, with its bearing-flange *f* parallel to the sash and in line with the rear vertical edge of the strips aforesaid, by means of guide-pins *h*. These pins are one or more in number for each slot, and are provided with broad heads *i*, which hold the plate to the strip, but allow the same to have free endwise parallel motion relative thereto.

As shown in Fig. 1, the plates C are arranged at each side of the window-frame—that is, they are adapted for both right and left hand use. This result is attained by changing the position of the operating-knobs D, the plates themselves being precisely of the same shape. In the left-hand plate the button is secured to the heel or base of the wedge, and the slots incline from the heel downward and inward toward the sash. Consequently, by forcing the said plate downward, the bearing-flange *f* will be forcibly thrust against the sash, thus jamming it against the parting-strip throughout its entire length, owing to the parallel motion which the slots and guide-pins cause the plates to assume.

By this means the said plates obtain a broad bearing on the sash, and will prevent it from casually lowering after being raised. They also prevent it from rattling during windstorms.

The right-hand plates are applied point or small end upward to the strip, and the knob D is upon this extremity of the same. The slots also extend upward and inward toward the sash, differing in this respect from the like slots in the left-hand plates; and the plates are applied by throwing them upward instead of downward.

When thus applied the same result is obtained as above set forth—that is, the jamming of the sash against the parting-strip—and the raising of the sash from the outside is effectually prevented. The left-hand plates will gravitate automatically into position, and will lock the lower sash at any desired point. Consequently I am able to dispense with the usual sash-balances or cords and weights, while the right-hand plates will gravitate away from the sash, and will at no time interfere with the raising of the same when in this position. The upper sash will be provided with a similar sash-fastening, and it will be operated in all respects as above described, for locking and preventing the rattling of the said sash.

The plates C will be made of any suitable metal—as iron, brass, composition metal, or nickel-plated ware, and of a weight and size proportionate to that of the sashes.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The plate C, having the flange *f*, lower projecting end with button D, and the inclined slots *c d*, in combination with the sash provided with guide-pins *h h*, and the window-frame, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

VIRGINIUS FREEMAN.

Witnesses:
JNO. W. STEVENS,
J. T. WITHY.