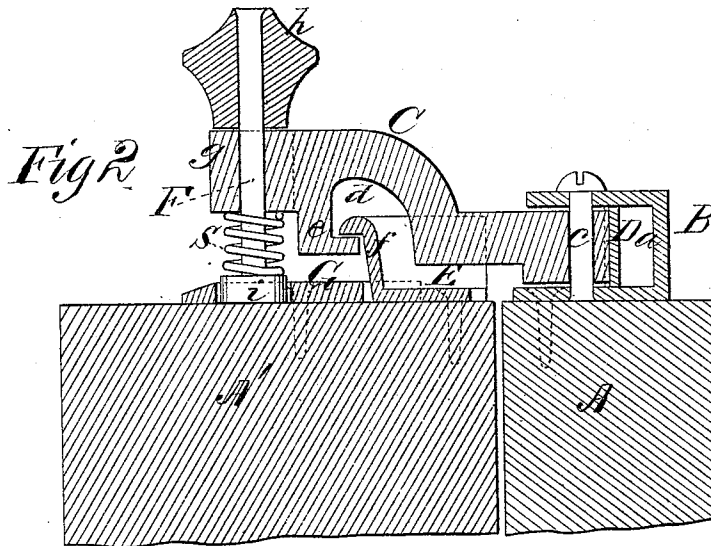
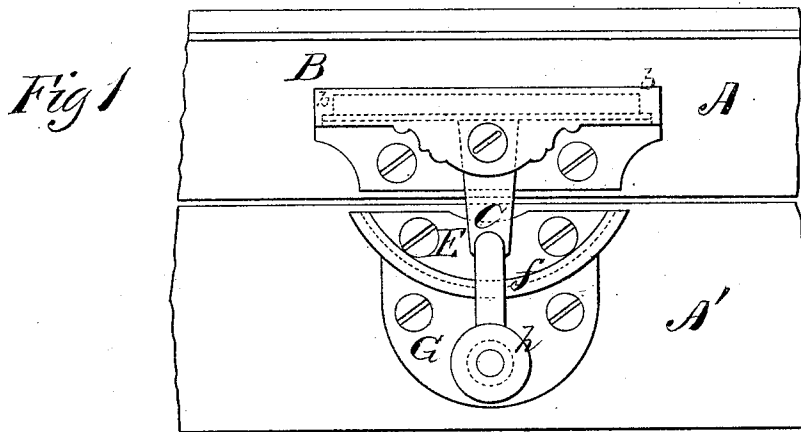


W. H. KESTER.

FASTENERS FOR THE MEETING-RAILS OF SASHES.

No. 178,445.

Patented June 6, 1876.



WITNESSES
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WILLIAM H. KESTER, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FASTENERS FOR THE MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **178,445**, dated June 6, 1876; application filed March 11, 1876.

To all whom it may concern:

Be it known that I, WILLIAM H. KESTER, of Philadelphia, in the county of Philadelphia, and State of Pennsylvania, have invented a new and valuable Improvement in Sash Locks or Fasteners; 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 drawing is a plan or top view of my device, and Fig. 2 is a side view in cross-section.

This invention has relation to sash-locks; and it consists in the construction and novel arrangement of the latch with a barrel or vertical eye at its end, and a hooked lug between said eye and the pivot of the latch, a reciprocating bolt in said eye, having a flanged foot and a spring on said bolt between the eye and its foot, as hereinafter shown and described.

In the annexed drawings, the letters A A' designate the meeting-rails of the upper and lower sashes of a window-frame. B represents a metallic plate secured upon the top rail A of the upper sash, and cast with a rectangular recess, *a*, in its front, and shoulders *b* at each end of the said recess, within which is pivoted, by means of a bolt, *c*, a horizontally-vibrating arm or lever, C, extending over the rail. The heel of this lever is at right angles to its length, and bears upon a flat metallic spring, D, arranged in recess *a*, with its ends resting upon shoulders *b*. As shown in Fig. 2, the under side of lever C is cut away, as shown at *d*, and a backwardly-projecting hook, *e*, is formed thereon, which engages with a curved flange, *f*, on a metallic plate, E, secured to the rail A' of the lower sash, for a purpose hereinafter explained. F represents a vertically-movable locking-bolt, which passes through a barrel or sleeve, *g*, on the free end of lever C. This bolt is provided with a head, *h*, by means of which it is raised, and a cylindrical enlargement, *i*, is formed on its lower end, adapted to be received into a correspondingly-shaped recess in a metallic plate, G, rigidly secured to the rail A' near its

inner edge. The engagement of the locking-bolt F with the recessed plate G is accelerated and made positive by means of the helical spring S arranged on the said bolt between barrel *g* and its enlarged lower end *i*; consequently, when the said lever is swung into the position shown in Fig. 2, the reaction of the said spring will force its lower end to an engagement with plate G, as above described. When bolt F is raised the force required to compress spring S, instead of being transferred to the pivotal point of lever C in plate B, will be received by the curved flange of plate E, owing to the engagement therewith of hook *e* on the lever.

By this means the plate B is protected from all strain, and all danger of breaking the same designedly or from careless handling is effectually prevented. While bolt F is engaged in plate G the lever C will be prevented from vibrating, and a burglar on the outside will be unable to thrust the said lever aside by passing a knife-blade or other similar device between the rails A A' of the sashes. He will also be prevented from tearing the said lever loose from its fastenings, owing to the engagement of its hook *e* with plate G, by placing a chisel between the said rails under the lever, and thrusting violently upward.

I am aware that a slotted hooked latch has been provided with a reciprocating bolt without a flanged foot, the spring being seated in the slot of the latch, and I do not claim such invention.

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

The sash-locking latch herein described, having the vertical eye *g* at its free end, the hook *e* between said eye and the pivot of the latch, the reciprocating bolt F, its flanged foot *i*, and the supporting-spring S, seated between said eye and said foot, on said bolt, substantially as specified.

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

WILLIAM H. KESTER.

Witnesses:

ALLEN H. GANGEWER,
CHAS. F. VAN HORN.