

(No Model.)

H. POWELL.

SASH FASTENER.

No. 348,342.

Patented Aug. 31, 1886.

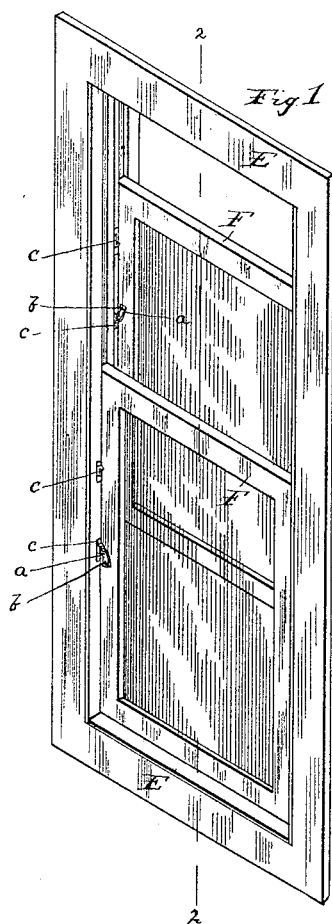


Fig 2.

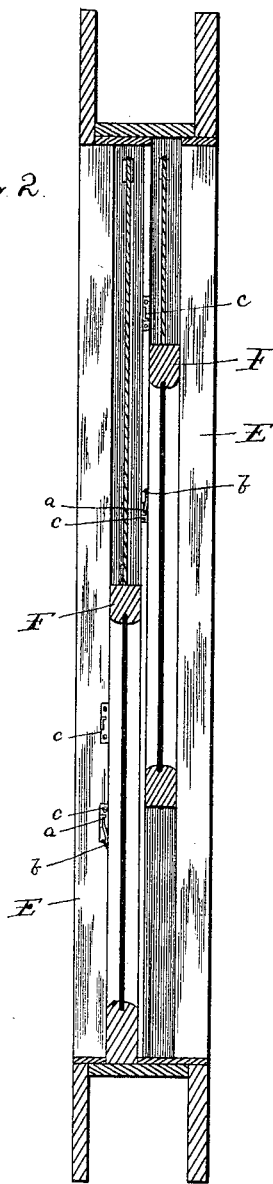


Fig 3.

Fig 4.

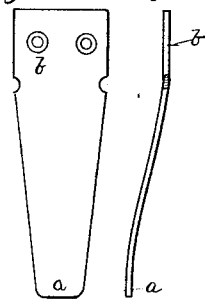


Fig. 5.

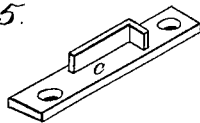
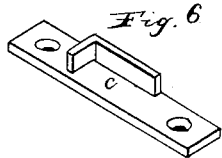


Fig. 6.



Witnesses:

Low E. Curtis.
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UNITED STATES PATENT OFFICE.

HOWARD POWELL, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO
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SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 348,342, dated August 31, 1886.

Application filed May 24, 1886. Serial No. 203,103. (No model.)

To all whom it may concern:

Be it known that I, HOWARD POWELL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Window-Sash Fasteners, of which the following is a specification.

The object of my invention is to provide windows with means whereby they may be securely fastened and prevented from rattling, both when partly and completely closed.

The invention consists in the combination of two pieces of brass or other suitable metal, so constructed that when placed in a certain position with reference to each other and the sash and frame they will, when the window is completely closed, automatically fasten it, and that when the window is partly opened—to such an extent as to bring said pieces of metal into a certain juxtaposition—they will automatically secure the sash against further opening, except from the inside. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a window frame and sash with my invention attached thereto; Fig. 2, a vertical section of a frame and sash with my invention attached; Figs. 3 and 4, the front and side views, respectively, of one of said pieces of metal; and Figs. 5 and 6, front views of the other of said pieces of metal.

Similar letters refer to similar parts throughout the several views.

E represents the window-frame; F, the sash, and *ab* and *c* the two pieces of metal, which last two, taken together, constitute my invention.

ab is a flat metallic spring, which is screwed to the window-sash at one end, *b*, with the end *a* sprung out from the sash, so that when sprung out it catches tightly in the piece *c*, which is a piece of brass or other suitable metal set in and screwed to the side of the window-frame, and provided with a projecting corner or ledge, against which and into which the flat piece of metal *ab*, when sprung out, catches. When the spring *ab* is pressed against the window-sash, the end *a* is released from the ledge, and the window may then be opened, or, if already partly opened, may be opened farther.

It is to be understood that the two pieces of metal *ab* and *c* are of a size and weight varying in proportion to the size and weight of the sash, and that they may be screwed to the sash and frame, respectively, at any point which may be requisite, taking into consideration the size of the window, to secure the above results.

The peculiar advantage and utility of my invention are, that by its use, as indicated above, upon window sashes and frames, the sash is prevented from rattling, facility is obtained in opening the window from the inside, perfect security is obtained against the window being opened from the outside when entirely closed, and especially that the two metallic pieces *ab* and *c* may be screwed into the sash and frame, respectively, at such positions that though the window may be partly opened it will still be impossible to open it from the outside beyond the point at which *ab* and *c* (said metallic pieces) hold it when the end *b* of the piece *ab* rests against the ledge.

I am aware that it is not new to provide windows with catches and springs fastened to frame and sash, respectively, and in combination holding the sash in the frame; but these do not embody my invention, the essential novelty of which is found in the fact that the shape of the spring and catch is such as to make them fit easily and yet perfectly into and against each other, and yet possess the quality of the greatest possible strength with the greatest economy of metallic material.

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

A metallic spring, *ab*, one end of which, *a*, is free, and the other end of which, *b*, is secured to the side of a sash, and a metallic catch, *c*, secured to the adjacent side of a frame and provided with a raised ledge, in their combination holding the sash firmly at any desired point in the frame, substantially as set forth.

HOWARD POWELL.

Witnesses:

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O. H. MELLUM.