

A. LONG.  
Sash-Fastener.

No. 164,571.

Patented June 15, 1875.

Fig. 1.

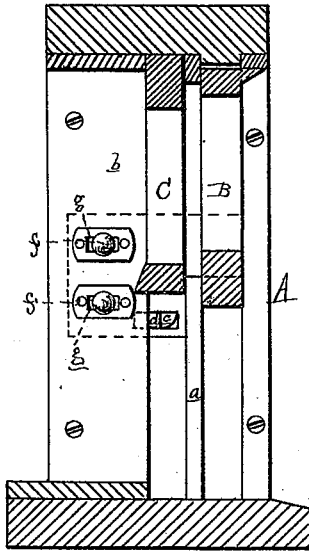


Fig. 2.

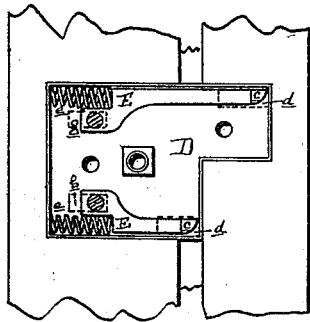


Fig. 4.

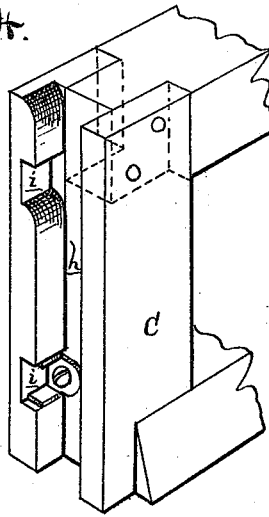
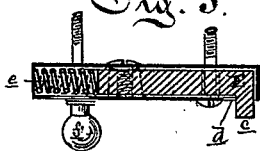


Fig. 3.



Attest:  
Edward Boehel.  
W. P. Spalding.

Inventor:  
Aam Long  
By Atty  
W. S. Sprague.

# UNITED STATES PATENT OFFICE.

AARON LONG, OF ANN ARBOR, MICHIGAN, ASSIGNOR OF ONE-HALF HIS  
RIGHT TO GEORGE W. BAILEY, OF SAME PLACE.

## IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **164,571**, dated June 15, 1875; application filed  
January 22, 1875.

*To all whom it may concern:*

Be it known that I, AARON LONG, of Ann Arbor, in the county of Washtenaw and State of Michigan, have invented an Improvement in Window-Locks, of which the following is a specification:

The object of my invention is to provide a sash-lock for the upper and lower sashes of windows, which will automatically lock them at all points, and which will at all times—that is to say, when both sashes are fully raised or fully lowered—enable the operator to unlock either or both. The invention consists in a pair of bolts, each having a head bent outward at right angles, arranged in a shell or case let into the window-casing, each actuated by a spring, and arranged to engage by means of its bent head with stop-notches in a vertical groove in the side of the sash-stile, as more fully hereinafter set forth.

Figure 1 is a sectional elevation of the side of a window-frame fitted with my improved lock, the lower sash being raised. Fig. 2 is an elevation of the bolts of the lock, whose covering-plate has been removed, as also both sashes and their parting-strips. Fig. 3 is a horizontal section through one of the bolts. Fig. 4 is a perspective view of the grooved and notched stile of a sash.

In the drawing, A represents a window frame or casing; B, the upper sash; C, the lower one; *a*, the parting-strip between the sash, and *b* the sash-stop. D is the metallic case let into the casing of the window at mid-height, containing two horizontal bolts, E, one at the top, and the other at the bottom, to en-

gage with the upper and lower sashes, respectively, each having a head, *c*, bent outwardly at a right angle, and playing through a slot, *d*, in the case D. Each is shot toward the sash by a spiral spring, *e*. The inner end of each bolt has an offset, in which is tapped a hole to receive a screw-threaded knob, *f*, whose shank plays through a slot, *g*, in the casing-plate. The edge of each sash-stile has a groove, *h*, plowed in it its full length for the head *c* of its bolt to rest in, and at the various heights at which it is desired to lock the sash, a notch, *i*, is cut in the outer edge of said groove, into which the spring will force the head of the bolt as it comes opposite to it.

The bolt-knobs not being on the sashes, but on the window-casing, the operator can unlock the sashes at all times, without first being obliged to move either one to get access to the other.

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

In combination with the case D, mortised within the window-casing, and provided with the bolts E E, each having a head, *c*, bent outward at right angles, and playing through the slot *d*, the springs *e e*, and knobs *f*, the window-sash stiles, having vertical groove C, in which the bent head of the bolt moves, and notches *i*, all substantially as described and shown, for the purpose set forth.

AARON LONG.

Witnesses:

H. F. EBERTS,  
H. S. SPRAGUE.