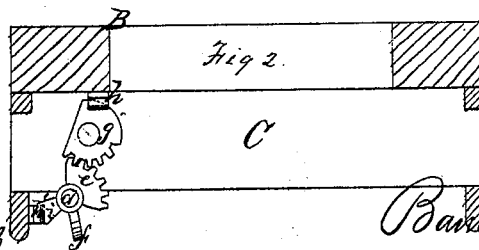
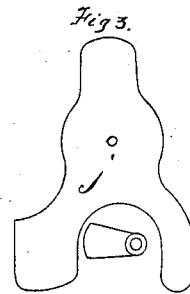
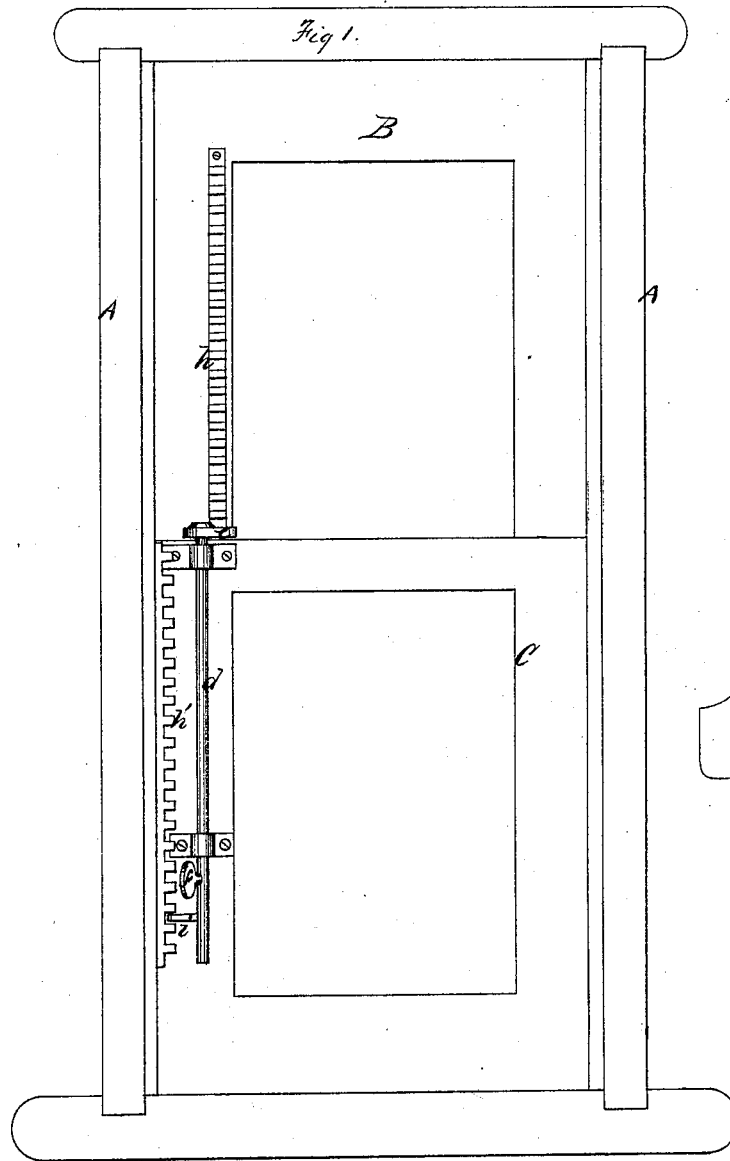


E. M. Whiting,

Sash Fastener.

No. 113123.

Patented Mar. 28. 1871.



Witnesses
Geo. W. Strong
Wm. V. Rumsby

Inventor.
Barrett M. Whiting
by Dewey & Co.
his Attorneys

United States Patent Office.

BARNET M. WHITING, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 113,123, dated March 28, 1871.

IMPROVEMENT IN SASH-HOLDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, BARNET M. WHITING, of city and county of San Francisco, State of California, have invented an Improved Sash-Lock and Fastener; and I do hereby declare the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvements without further invention or experiment.

The object of my invention is an improvement on that class of sash-fasteners which locks and secures the sash in any desired position.

In order to more fully illustrate my invention reference is had to the accompanying drawing forming a part of this specification, in which—

A represents a window-frame having the upper sash B and lower sash C.

The shaft *d* is secured vertically in boxes to the side piece of the lower sash-frame, and has fixed horizontally at its upper end a toothed segment, *e*.

The shaft *d* is simply a small metallic rod or wire, and can extend down as far as desired.

A thumb-plate or lever, *f*, on the lower end of the shaft *d*, within easy reach of a person standing on the floor when the lower sash is raised, serves to rotate the shaft in order to lock and unlock the sash.

Upon the top of the lower sash is a segmental wheel, *g*, a portion of which is provided with cogs, while the other portion is plain and serves as a lock.

This wheel is secured horizontally to the upper face of the top rail of the sash-frame, so that its toothed portion will be engaged by the toothed segment *e*, which is on the upper end of the shaft *d*, by which it can be partially rotated each way.

A rack-bar, *h*, is secured to the side rail of the upper sash-frame, so that, when the wheel *g* is rotated

in one direction, the plain edge will enter between any two of the teeth on the rack, and thus hold the sash in position.

This much of my device, for most windows, will be all that is necessary to form a perfect and secure lock. Where the upper sash slides up and down in the frame a rack-bar, *h'*, is secured to the casing alongside of the lower sash, between the teeth of which a lug, *i*, on the shaft *d*, below the thumb-plate *f*, enters when the shaft is rotated, so as to lock the upper sash, thus allowing either sash to be locked independently of the other.

In place of the segmental wheel *g* a plate, *j*, shown at fig. 3, might be employed, in which case the rack-bar *h* should be secured to the casing above the lower sash, so that, when the plate *j* is thrown in one direction, one of its ends will engage in the rack *h*, while its opposite end engages with the rack *h'*, thus locking the sashes.

By the use of this sash-fastener either the upper or lower sash can be locked at any desired position, and when thus fastened they will be securely locked, so as to successfully resist any attempt to change their position without first freeing their fastenings.

Having thus described my invention,

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

The vertical shaft *d* with its toothed segment *e*, and thumb-lever or plate *f*, the lug *i* in combination with the partially-toothed locking-wheel *g*, and rack-bars *h* and *h'*, substantially as and for the purpose above described.

B. M. WHITING. [L. s.]

Witnesses:

WM. H. RUNNELS,
J. L. BOONE.