W. H. Thomas,

Window Button.

No. 108,210. Patented Oct. 11. 1870.

Fig. 1.

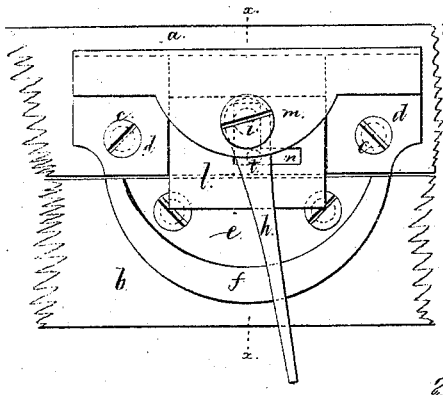


Fig. 2.

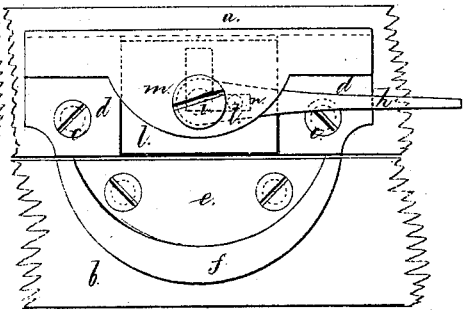
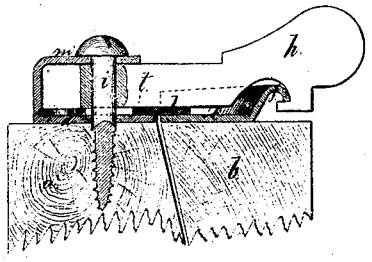


Fig. 3.



Witnesses,

Chas. H. Smith

Geo. H. Walker.

W. H. Thomas

United States Patent Office.

WILLIAM H. THOMAS, OF BROOKLYN, NEW YORK, ASSIGNOR TO TURNER, SEYMOUR & JUDDS, OF WOLCOTTVILLE, CONNECTICUT.

Letters Patent No. 108,210, dated October 11, 1870.

IMPROVEMENT IN SASH-FASTENERS.

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, WILLIAM H. THOMAS, of Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Sash-Fasteners; and the following is hereby declared to be a full and correct description thereof.

This invention relates to that class of sash-fasteners in which the sashes are drawn together and fastened by a hook-ended lever, the fulcrum of which is upon the meeting rail of one sash, and takes, over an annular cam projection, upon the rail of the other sash.

With this character of fastener there is always more or less space between the rails of the sashes, resulting from the shrinkage of the sashes and from their not being drawn properly together by the fastener; hence the locking-lever can be moved aside from its locked position by a knife-blade or similar instrument introduced between the rails of the sashes, and the window opened.

The object of my improvement is to prevent the locking-lever being reached from outside the window, even if the sashes are not drawn closely together, and I accomplish this by employing a sliding plate, actuated by the locking-lever, which sliding plate is moved over and rests upon both rails of the sashes simultaneous with the turning of said lever, and covers the space between the rails, and acts as a guard to prevent the locking-lever being reached by a knife-blade or similar instrument introduced between the rails of the sashes. Said sliding plate also adds strength to the fastener, as it takes part of the strain from the cam-plate and lever if an attempt is made to force the sashes.

In the drawing—

Figure 1 is a plan of my improved sash-fastener, the same being shown as locked;

Figure 2 is a similar view, in an unlocked position; and

Figure 3 is a vertical section at the line *x x*.

In the drawing—

a and *b* represent the meeting rails of the upper and lower sashes, and to the upper sash *a* the plate *d* is attached, by the screws *c c*, as usual.

The plate *e*, upon the rail *b* of the lower sash, is provided with the segmental cam-ring *f*, and over this cam *f* the hooked end of the lever *h* slides, as the same is moved to lock or unlock the fastener.

The lever *h* moves upon the fulcrum *i*, and this end of said lever *h* is above the sliding plate *l*, between that and the overhanging part *m* of the plate *d*, the fulcrum-pin or screw *i* passing through the part *m*, and also through a slot in the plate *l*.

The plate *l* sets in a recessed portion of the plate *d*, and in its normal position does not project beyond the edge of said plate *d*, so that it offers no obstruction to the rising or lowering of the sashes, and said sliding plate *i* is provided with the cam-slot *n*, to receive the pin *t*, upon the under side of the lever *h*.

By reference to the drawing it will be understood that, as the lever *h* is moved to the position shown in fig. 1, the plate *l* will be moved forward by the pin *t*, acting in the cam-slot *n*, so as to cover the space between the rails *a b*, and prevent access to the lever by an instrument inserted between the rails.

When the lever *h* is moved to the normal position shown in fig. 2, the plate *l* is out of the way of the lower sash as it is moved.

I claim as my invention—

The plate *l*, sliding laterally above the plate *d* of the sash-fastener, in combination with the lever *h*, pin *t*, and slot *n*, as and for the purposes specified.

Dated this 16th day of August, A. D. 1870.

W. H. THOMAS.

Witnesses:

CHAS. H. SMITH,

GEO. T. PINCKNEY.