J. THORMAN.

Sash-Fasteners.

No. 166,485. Patented Aug. 10, 1875.

FIG. 1.

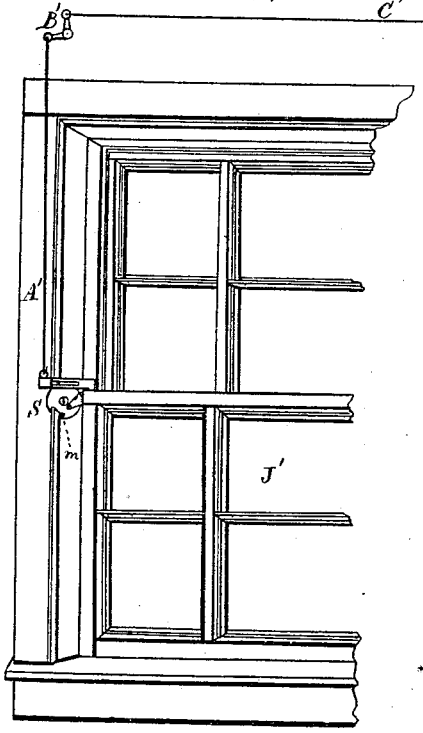


FIG. 2.

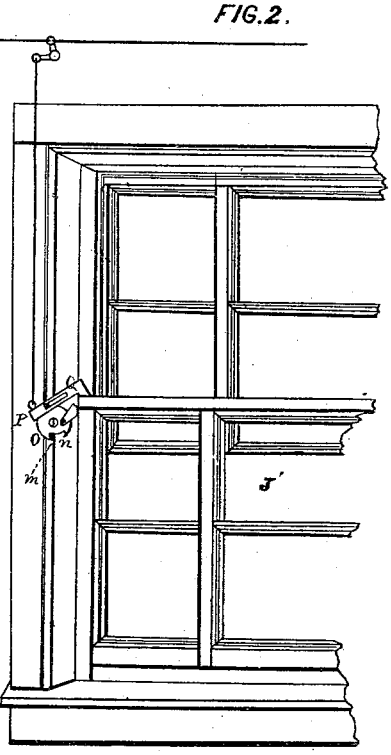


FIG. 3.

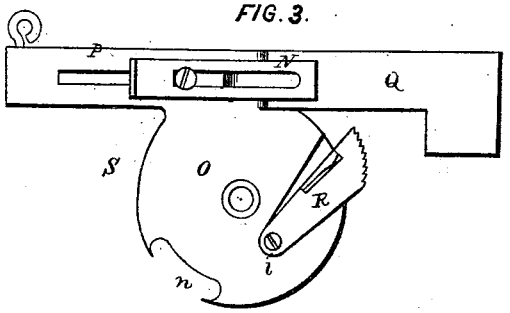
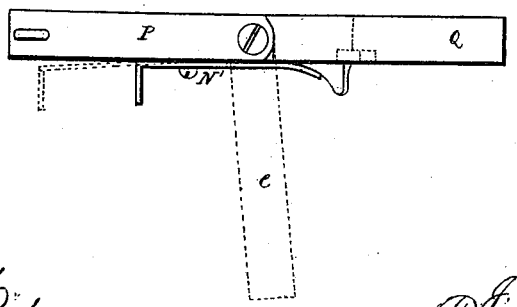


FIG. 4.



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UNITED STATES PATENT OFFICE.

JULIUS THORMAN, OF TERRE HAUTE, INDIANA.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **166,485**, dated August 10, 1875; application filed May 31, 1875.

To all whom it may concern:

Be it known that I, JULIUS THORMAN, of Terre Haute, in the county of Vigo and State of Indiana, have invented a certain new and Improved Window-Lock, of which the following is a full, clear, and complete description, reference being had to the accompanying drawings making part of this specification, in which—

Figures 1 and 2 are views of a window to which the lock is applied. Figs. 3 and 4 are enlarged detached views of the window-lock.

Like letters of reference refer to like parts in the several views.

The lock consists of a disk, O, Fig. 3, provided with a tangential arm, P, to which is hinged a movable arm, Q, which may be turned out at right angles to the arm P, as indicated by the dotted line *e* in Fig. 4. In the face of the disk is formed a recess, in which is fitted, so as to play therein, a check, R, pivoted at the point *i*, the purpose of which will presently be shown.

The application of the lock to the window will be seen in Fig. 1, in which it will be seen that it is secured to the side of the window-casing by a screw passing through the center of the disk. The position of the lock in its relation to the sash when the sash is down is such as shown in Fig. 1.

It will be obvious that the sash cannot be raised for reason that the arm Q projects over and rests upon the top of the sash, thereby holding it from being pushed up.

In order to raise the window the arm Q is turned back or away from the sash, as indicated by the dotted lines *e*, Fig. 4, which will permit the sash to be pushed up, and which may be retained at any particular height by the check R catching in the side of the sash as it may be lowered, in consequence of the difference in the length of the radial sides of the check, but which gives way on pushing it up, the shape of which is as shown in said Fig. 3.

To prevent the lock from turning too far around, also to allow the sash to be raised up a little, is the purpose of the notch *n* made in the side of the disk, which, when the lock is fixed to the window, a pin, *m*, driven into the casing, allows the disk to rotate the length of the notch, and no farther, as will be seen in Fig. 2, which will be but for a very short distance for ventilation, or, if so desired, the pin can be driven in the notch, so as to prevent the disk from turning at all. The slide N is to prevent the arm Q from being turned out away from the sash too easily by it. The arm is made rigid in its application to the sash, and cannot be turned back without first pushing back the slide.

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

A window-sash lock consisting of the center or disk O, having notch *n*, the tangential slotted arm P, slide N, movable arm Q, and check R, in combination with the pin *m*, substantially as described, and for the purpose set forth.

JULIUS THORMAN.

Witnesses:
GEORGE W. WADE,
PHILIP SCHLOSS.