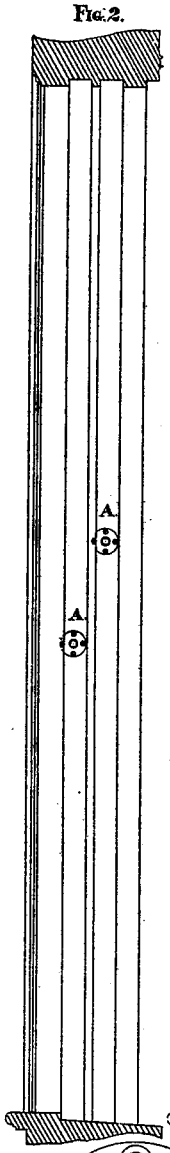
E. TOBIN, Jr.
Sash-Holder and Lock.

No. 204,691. **Patented June 11, 1878.**

Fig. 2.



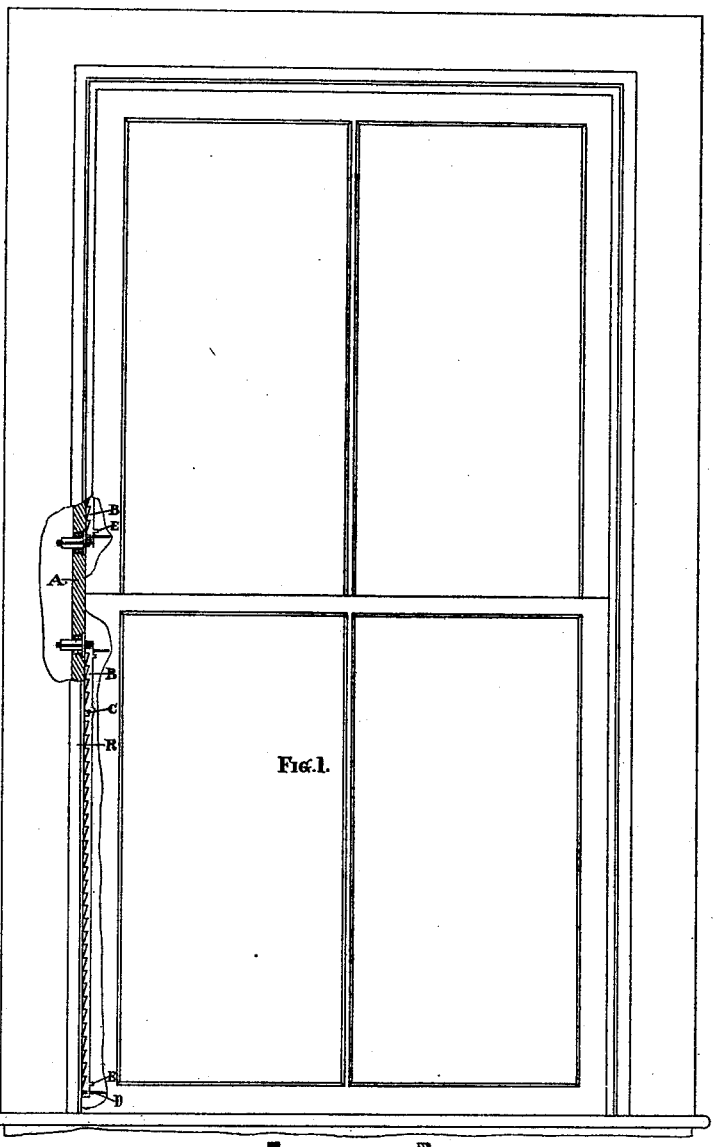
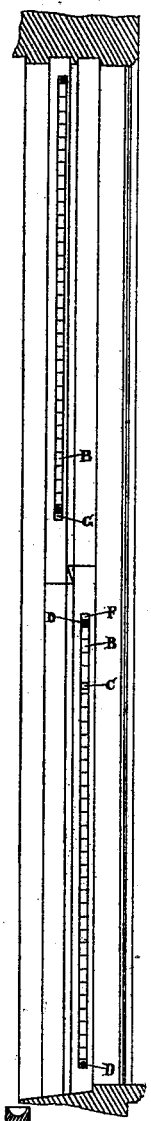


Fig. 1.

Fig. 3.



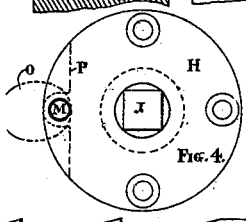


Fig. 4.

Fig. 5.

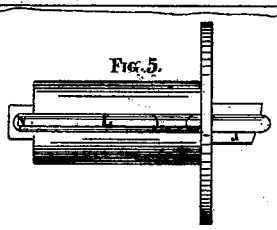


Fig. 6.

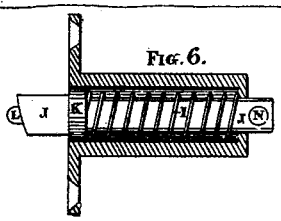


Fig. 7.

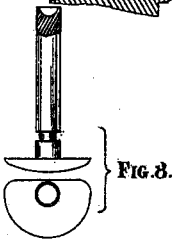


Fig. 8.

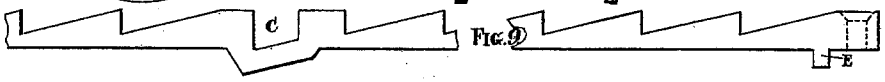


Fig. 9.

Witnesses:
Geo. E. Clark
Gustav Dittmore

Inventor:
Edmund Tobin Jr

UNITED STATES PATENT OFFICE.

EDMOND TOBIN, JR., OF OCONTO, WISCONSIN.

IMPROVEMENT IN SASH HOLDER AND LOCK.

Specification forming part of Letters Patent No. **204,691**, dated June 11, 1878; application filed April 26, 1878.

To all whom it may concern:

Be it known that I, EDMOND TOBIN, JR., of Oconto city, in the county of Oconto and State of Wisconsin, have invented a new and useful Improvement in Sash-Fasteners, of which the following is a specification:

The invention relates to a device for holding the sashes in any position, and also for locking the same when closed, and at short intervals when open.

The object of my invention is to provide a mechanism to be attached to window frames and sashes to admit of the sashes being raised or lowered rapidly to any position, where the stop holds them firmly.

The invention consists in the arrangement of a bevel-nosed spring-bolt inclosed in a circular case, and provided with an arm and a key or thumb-piece, for the purpose of unlocking the bolt to be attached to the window-frame, in connection with a toothed rack fixed to the sash, and arranged to hold it in any position, and lock the same at short intervals.

In the accompanying drawing, in which similar letters of reference indicate like parts, Figure 1 is a front inside elevation of a window frame and sashes, showing the device attached; Fig. 2, a sectional view, showing inside of same; Fig. 3, a section of sash with toothed rack; Fig. 4, a front elevation of the case containing the spring-bolt; Fig. 5, a side elevation; Fig. 6, a longitudinal section of same; Fig. 7, an end view of bolt; Fig. 8, two views of the key, and Fig. 9 a part side elevation of the toothed rack.

In the frame, A, Fig. 1, at positions shown, are bored holes slightly rabbeted to receive the case and the flange of ditto, held in place by screws. The bolt, held in projecting position by spring, follows the corrugated form of the rack attached to the sash by screws D and lugs E. Spaces F and G are left to receive the bolt when both sashes are closed. The lock-socket C may be placed in any part of the rack.

Figs. 4, 5, and 6 are enlarged views of the case, &c. H is the flanged cylinder; I, the spring, and J the bolt, which is made oval, or the shape shown in Fig. 7, to the round part K. The remaining portion or catch is square.

The operation is as follows: When the device is fixed and the sashes are closed, and it is required to open them, place the key on top of the arm in connection with the spring-bolt, which passes through a small hole in the stop of the frame, when, with a slight pressure, the bolt is forced back from the toothed rack, (in first opening to unlock the sash only,) after which the sash may be raised rapidly to any height, or full open, providing there are no intermediate locks in the rack.

The sash may be left open from one to four inches all night with perfect safety.

The sashes lock and hold themselves in any position. The key is only used to unlock them.

What I claim is—

In a sash holder and lock, a bevel-nosed spring-bolt inclosed in a circular case, and provided with an arm adapted to engage with a key for the purpose of unlocking the bolt, in combination with a rack having teeth arranged to hold the sash in any position, and to lock the same at short intervals, substantially as described.

EDMOND TOBIN, JR.

Witnesses:

GEORGE CLARK,

GUSTAV DITTMORE.