

R. LEE.
Fastener for Meeting-Rails of Sashes.
No. 221,967. Patented Nov. 25, 1879.

Fig. 1.

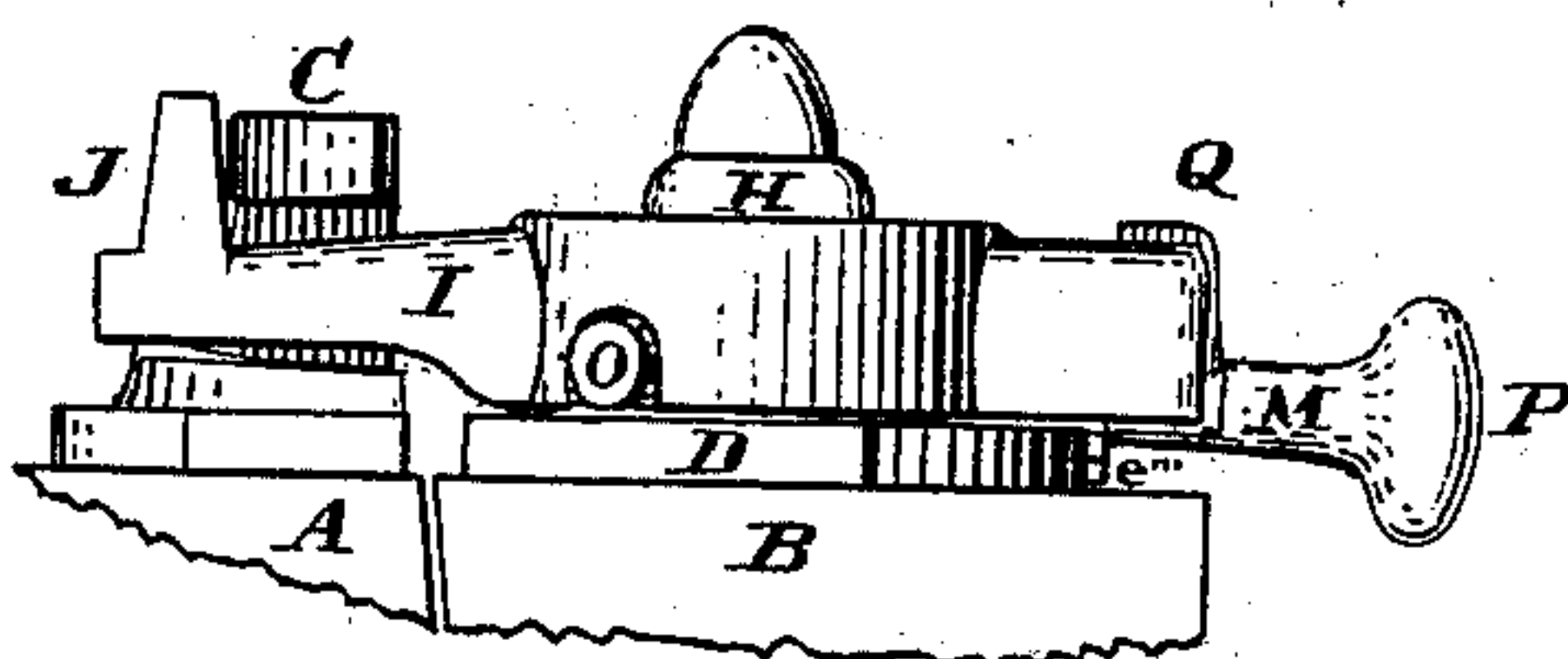


Fig. 2.

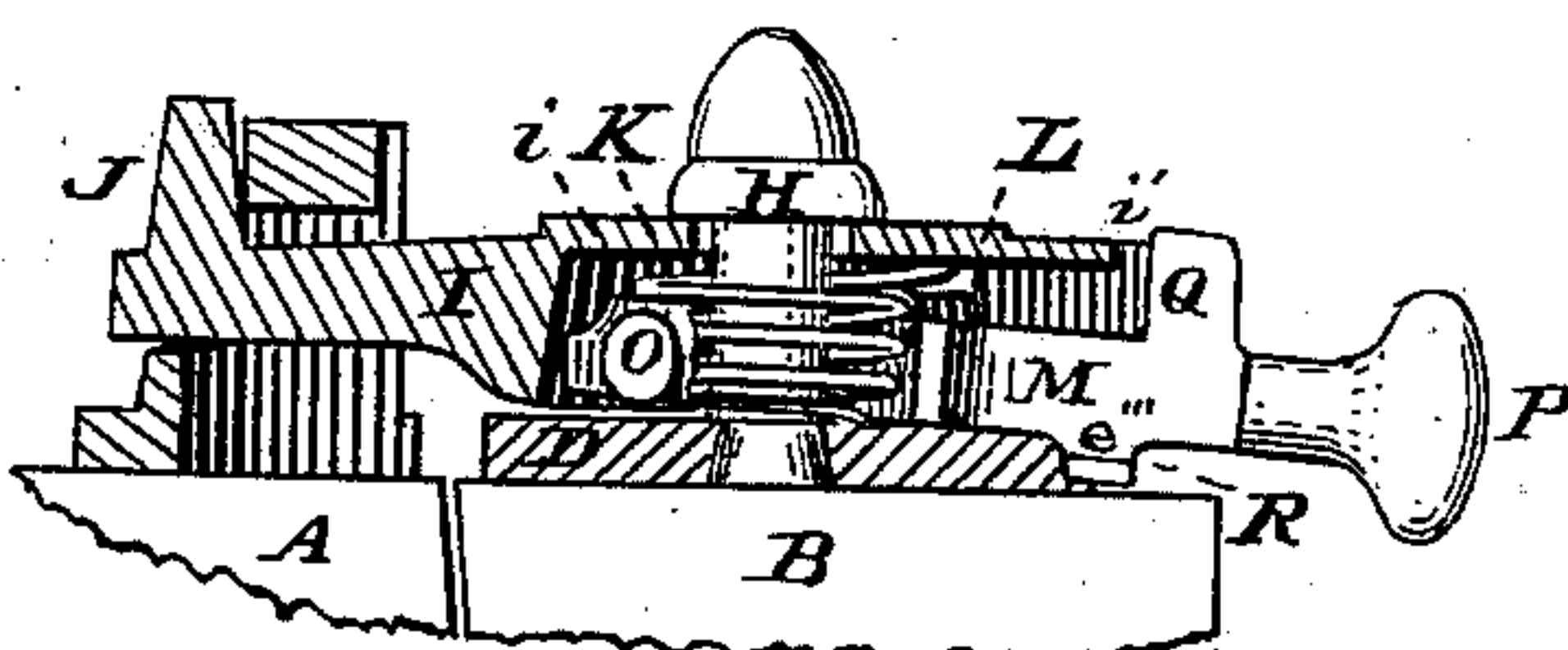


Fig. 3.

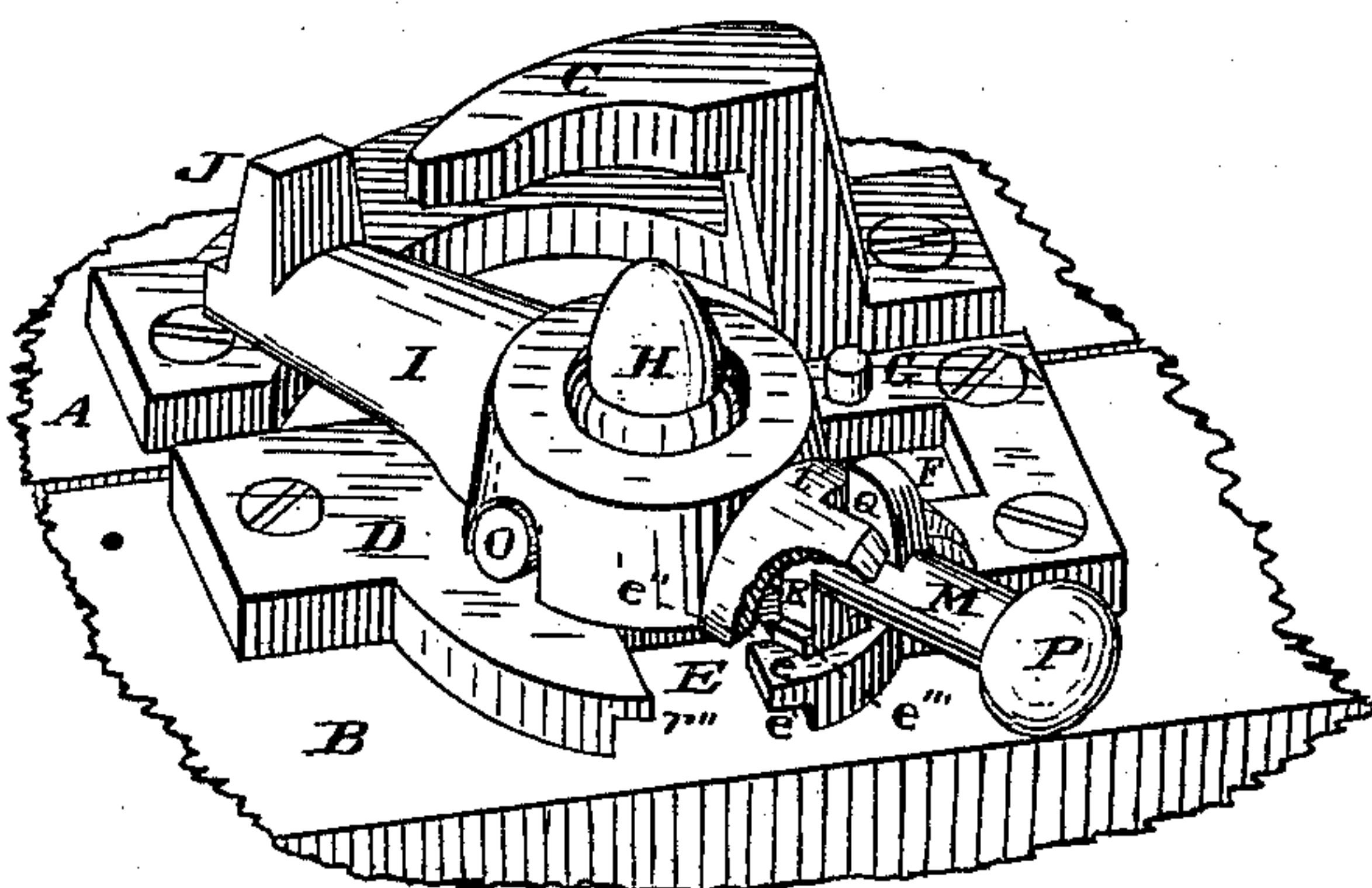
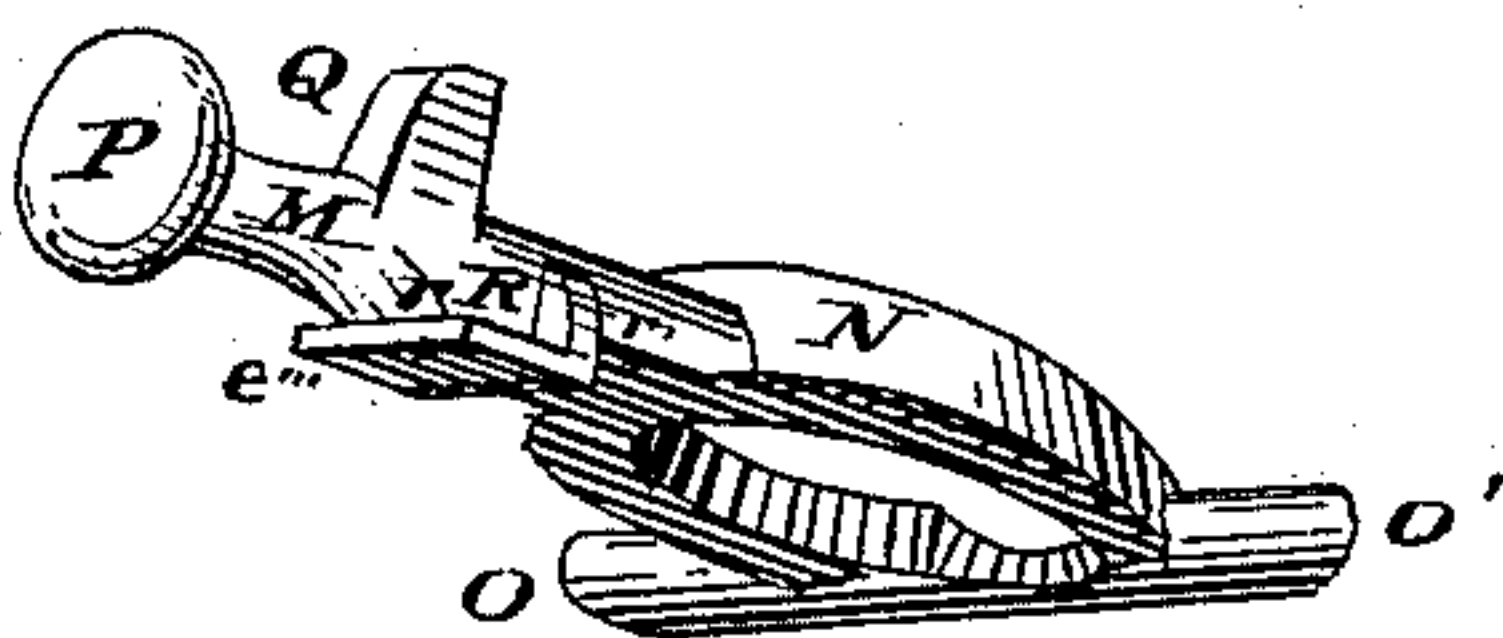


Fig. 4.



Attest
Walter Knight
S.A. Bond

Inventor.
Robert Lee
By Knight Bros.
Atty.

UNITED STATES PATENT OFFICE.

ROBERT LEE, OF CINCINNATI, OHIO.

IMPROVEMENT IN FASTENERS FOR MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **221,967**, dated November 25, 1879; application filed May 8, 1879.

To all whom it may concern:

Be it known that I, ROBERT LEE, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Fastening for the Meeting-Rails of Sashes, of which the following is a specification.

My object in this invention is to afford, at a cheap cost, a fastening for the meeting-rails of sashes of completely burglar-proof character, and such as, when released from the locked condition, automatically assumes a completely-open position out of possible contact with the upper sash.

My invention consists in the combination, with a hook or catch on the lower rail of the upper sash, of a swinging latch pivoted to a base-plate secured to the upper rail, said latch being recessed at its mid-length on its under side to receive a helical spring, and a rocking tumbler attached to said latch, and having on its underside a T-formed projection adapted to engage in a correspondingly-formed indentation or notch in the base-plate.

In the accompanying drawings, Figure 1 is a side elevation, and Fig. 2 a vertical section, of my fastener in its locked condition. Fig. 3 is a perspective view of the same in a position intermediate between that of locking and unlocking. Fig. 4 is a perspective view of my self-locking tumbler.

A B may represent parts of the meeting-rails of an ordinary pair of window-sashes. C may represent a common form of catch for attachment to the upper sash, A. D represents a plate, which is secured to the meeting-rail of the lower sash by means of wood-screws. This plate has in its front edge a notch, E, in the form of an inverted T, and to the right and rear of that an orifice, F, in rear of which is a stump or abrupt elevation, G.

Secured to and centered upon plate D by pivot H is a swinging bar or button, I, having an upturned lip, J, which, in the locked condition of the fastening, engages behind the catch C in the manner familiar to users of this class of sash-fastenings.

The central part of the button I, surrounding the pivot H, is chambered at *i* to receive a helical spring, K, whose lower extremity engages in an orifice in the plate D, and whose upper extremity presses against a shoulder or

lug, L, that projects from the interior of the chamber *i*.

My said button I also, for the most part, incloses a peculiarly-formed self-locking tumbler, M, whose rear extremity, N, has the ring-like or annular form clearly shown in Fig. 4. Projecting laterally from ring N are gudgeons O O', which occupy corresponding notches in the under edge of the button I. The front extremity of tumbler M takes the form of a knob, P, which serves the purpose of a handle, by means of which the fastener is manipulated.

Projecting upward from the tumbler M is a spur, Q, which, occupying a notch, *i'*, in the button I, obliges the latter to take part in any horizontal swing imparted to the tumbler M.

Depending rigidly from the tumbler M is an inverted-T-formed tooth, R, whose dimensions are such as to enable it to drop easily into the correspondingly-formed notch E in the plate D, and to become securely locked therein in consequence of its projection *r* engaging under the corresponding projection *e* of the plate.

In addition to the lateral indentation *e'* under the projection *e*, a vertical indentation, *e''*, may be provided in rear of the projection *e*, to receive a corresponding vertical projection, *r'*, on the tumbler.

An additional security is provided in the projection *e'''*, which, on the tumbler being forced to the left, as is sometimes attempted to be done for clandestine purposes, engages under projection *r''*, so as to still remain locked.

This button, although impossible to dislodge by any person operating from without, is easily disengaged by one within the building, who, having lifted the tumbler clear of the notch E; releases hold of the same, so as to permit the spring K to vibrate the button to its open position, at which point, being arrested by the stop or stump G, the projection R of the tumbler drops into the orifice F and securely retains the button in its proper fully-open position.

The above-described illustration of my invention may be varied in non-essential particulars. For example, the orifice F may be omitted, as also may be the vertical indentation *e''* and vertical projection *r'*.

I am aware that it is not new to construct window and door buttons with a swinging latch pivoted to the upper rail, and having a hinged extension adapted to drop into a recess or recesses in the base-plate. Such, therefore, I do not broadly claim; but

What I claim as new and of my invention is—

The combination, with a suitable hook or catch, C, upon the upper sash, of the swinging latch or button I, chambered at its mid-

length for helical spring K and pivot H, and the rocking tumbler M, whose T-formed projection R occupies, when locked, a corresponding indentation, E, in the front edge of the plate D, substantially as set forth.

In testimony of which invention I hereunto set my hand.

ROBERT LEE.

Attest:

GEO. H. KNIGHT,
WALTER ALLEN.