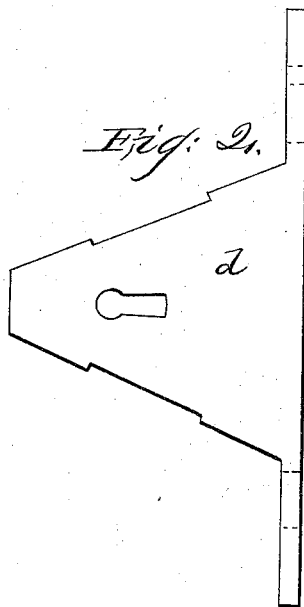
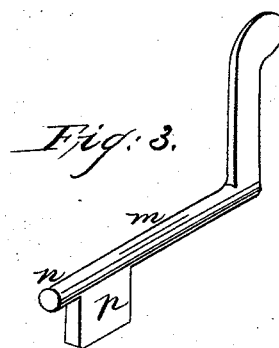
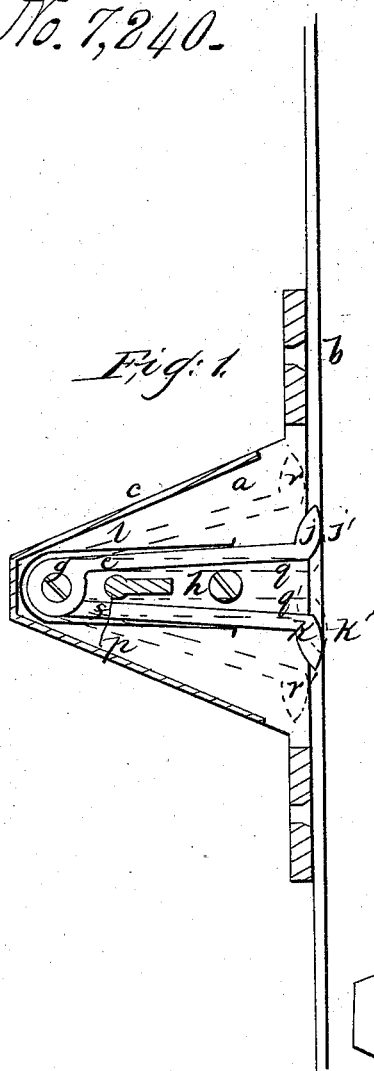


*G. H. Gray,
Sash Holder.*

No. 7,240.

Patented Apr. 2, 1850.



UNITED STATES PATENT OFFICE.

GEO. H. GRAY, SR., OF CLINTON, MISSISSIPPI.

SASH-STOPPER.

Specification of Letters Patent No. 7,240, dated April 2, 1850.

To all whom it may concern:

Be it known that I, GEO. H. GRAY, Sr., of Clinton, Hinds county, Mississippi, have invented new and useful Improvements in Sash-Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the nature, construction, and operation of my invention, reference being had to the annexed drawing making part of this specification.

I so construct and arrange an eccentric sash fastener in one compact and connected arrangement, as to make it not only a self acting stop, at whatever position the sash be placed, but also a complete lock to the sash, preventing its movement either up or down, except by the person who has control of the catch.

In the annexed drawings the same letters have reference to like parts throughout.

Figure 1 is a side view of the apparatus, one of the plates being detached to show the interior. Fig. 2 represents the detached plate. Fig. 3 is a perspective view of the key.

a b c d is a box or case similar in construction to that of an ordinary mortise lock, and intended in like manner to occupy a recess either in the frame or the sash. This box is narrow at its rear end and widens to give play to the tumblers as it approaches the front plate (*b*) by which it is screwed to the frame or sash.

e f are two arms or tumblers pivoted to the cheek *a* at the narrow end by a screw (*g*) passing through and uniting both cheeks *a d*. Another screw *h* also passes through the two cheeks, and between the arms *e, f*; a sufficient space for the play of the arms *e f* being reserved by means of a bush. The tumblers *e f* terminate in heads *j k* having curved faces *j' k'* somewhat eccentric with the pivot *g*. A spring *l* embraces these tumblers and holds them together.

m is a key which being inserted through the plate *d*—the pintle *n* of the key passes into a hole in the plate *a*, and the bit *p* occupies the interval between the tumblers *e f*. Although in this illustration, the tumblers *e f* are actuated by a movable key, this is not essential, as they may have a thumb latch or other fixed appendage.

The operation of this little piece of mechanism is very obvious.

In the annexed drawing the catch is represented to be in its place in the sash, and the tumblers are held slightly aloof from one another by the face of the jamb; but were the catch removed from the sash the tumblers would be induced by the spring, to occupy the position indicated by the dotted lines *q q'*. Now let an attempt be made to raise the sash the tumbler *e* will evidently be impelled towards the position *q*, but encountering the opposition of the jamb, will be arrested, and with it the sash—from any farther progress. If, on the other hand, an attempt be made to lower the sash, the tumbler *f* will be brought into play in the same way; but if the sash be gently pressed in the direction opposite to that in which it is intended to move it, so as to relax the opposing tumbler, and at the same time a finger be applied to the key so as to lift the said tumbler, the sash may be moved to any position and will again become equally immovable immediately that the hand is withdrawn from the catch. The dotted lines *r r'* indicate the positions of the respective tumblers when lifted by the key.

Having thus described the nature and construction of my window sash fastener, what I claim therein as my invention and for which I desire Letters Patent, is—

The arrangement substantially as herein described and represented in one compact and connected mechanism of a pair of oppositely acting eccentric tumblers both held in contact with the jam by a single spring or its equivalent and both operated by the same key or other usual substitute; and so disposed and constructed, as to oppose any attempt (except by one who has control of the catch) to either raise or lower the sash from the position in which it may be placed.

To the above being a specification of my improvements in sash fasteners I have put my hand, this ninth day of February, 1850.

GEORGE H. GRAY, Sr.

Witnesses:

EDWARD H. KNIGHT,
JOHN A. BLOCKWELL.