No. 706,947. Patented Aug. 12, 1902.

N. M. HUTTON.

SASH LOCK.

(Application filed May 5, 1902.)

(No Model.)

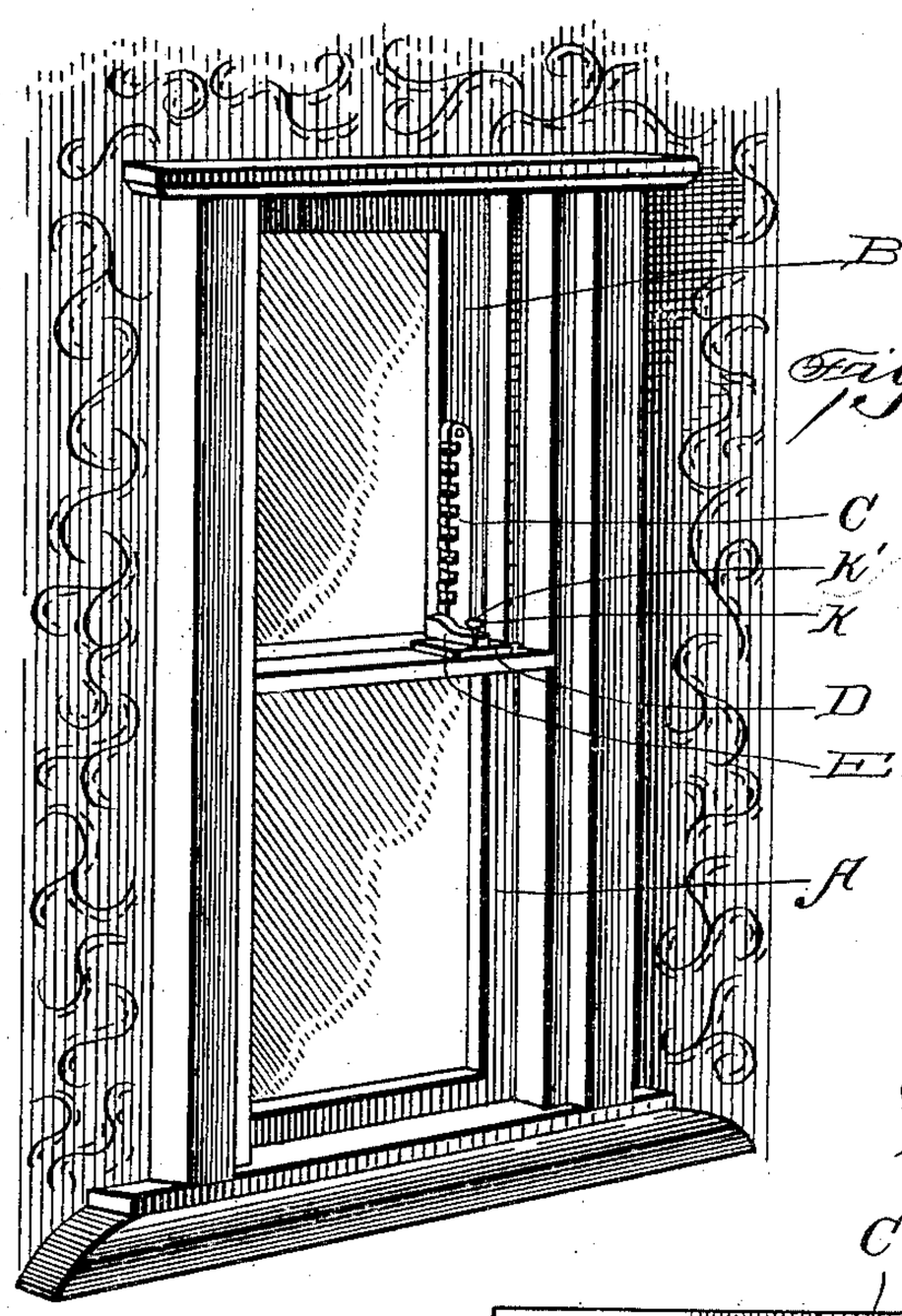

Fig. 1.

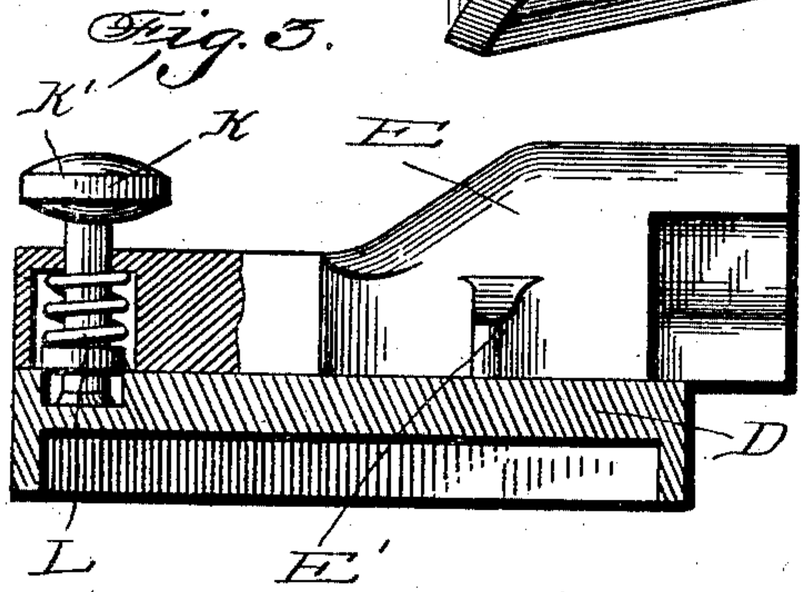

Fig. 3.

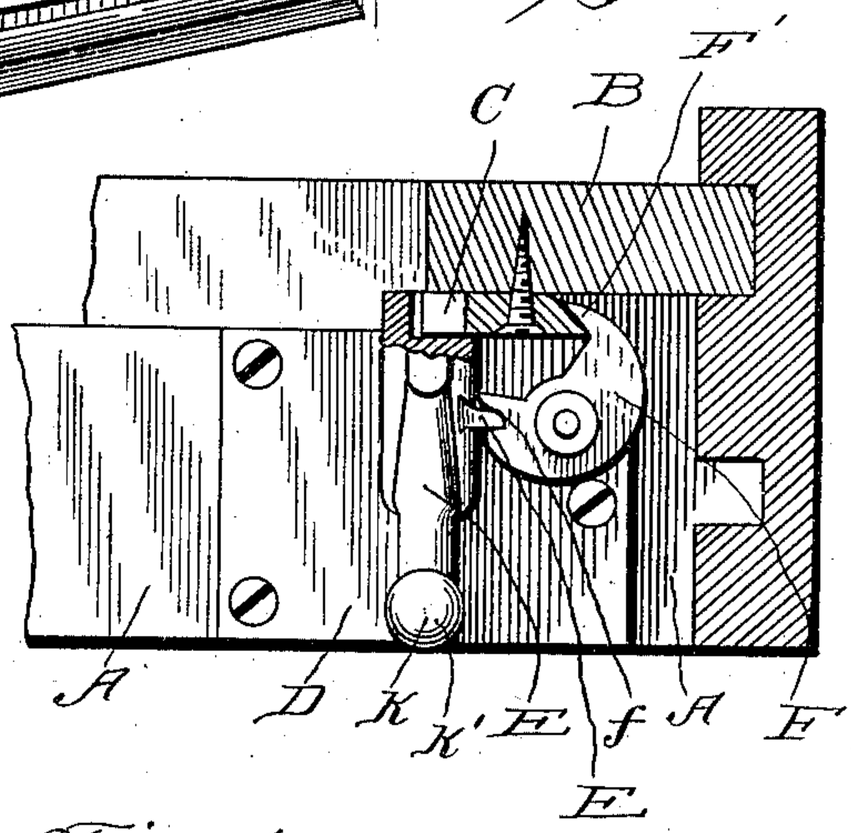

Fig. 2.

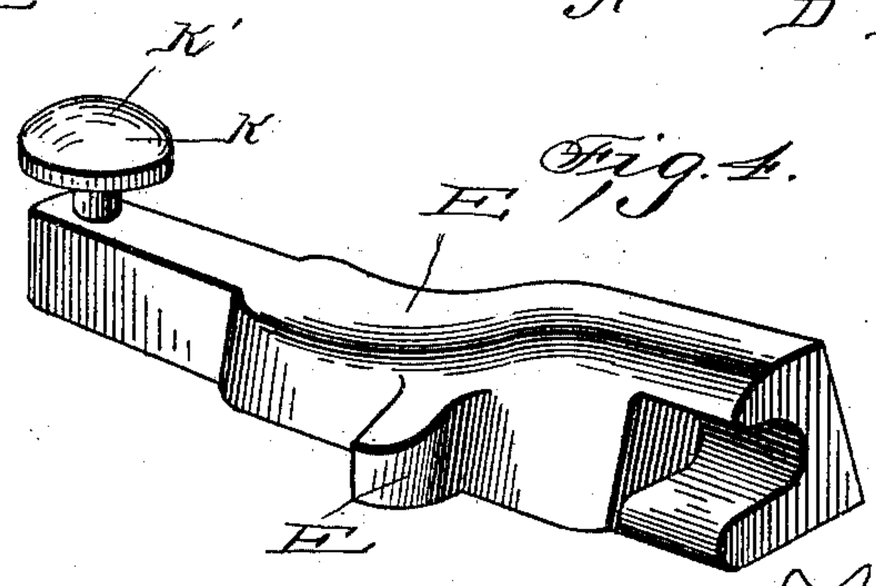

Fig. 4.

Witnesses

R. A. Boswell.

A. L. Hough

Inventor

N. M. Hutton,

By Franklin H. Hough

Attorney

UNITED STATES PATENT OFFICE.

NOAH M. HUTTON, OF CHICAGO, ILLINOIS.

SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 706,947, dated August 12, 1902.

Application filed May 5, 1902. Serial No. 106,050. (No model.)

To all whom it may concern:

Be it known that I, NOAH M. HUTTON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sash-Locks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in burglar-proof ventilating sash-locks; and it consists in the provision of means whereby the sash of a window may be held down from the top for the purpose of ventilating and said sash held in such position by means of a lock which holds the two sash together to prevent the same from rattling and making it impossible to close the sash without first releasing the two sash and disengaging the locking-lever from the rack-bar carried by one of the window-sashes.

The invention consists, further, in various details of construction and combinations of parts, as will be hereinafter fully described and then specifically defined in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings—

Figure 1 is a side elevation showing my improved burglar-proof lock shown in connection with the sash of a window. Fig. 2 is a cross-sectional view through the upper window-sash and rack-bar secured thereto and at a location above the sash-lock. Fig. 3 is a longitudinal section through the locking-lever, and Fig. 4 is a detail view of the locking-lever on an enlarged scale.

Reference now being had to the details of the drawings by letter, A designates the lower sash of a window, and B the upper sash, mounted in a suitable frame, and to the inner face of one of the side rails of the upper sash is mounted a rack-bar C, which extends, preferably, six inches or any suitable length from the meeting-rail toward the upper end of the sash, with the rack-teeth disposed along the inner edge adjacent to the margin of the sash. Fastened to the upper face of the meeting-rail of the lower sash is a plate D, to which is swiveled a locking-lever E, which lever has a lug E′ projecting from one side and has a recess with an inclined or cam wall in the side thereof, which cam-groove is adapted to engage over one of the teeth of the rack and the cam-surface of said groove being adapted to bear against the inclined or curved margin of the rack-teeth. Pivoted to said plate is a locking-lever F, having a curved hooked end F′, which is adapted to engage over the rear edge of the rack-bar when said locking-lever E is in a locking relation with the rack-teeth. Said lever F has a recess *f* formed therein which is engaged by said projecting lug, and owing to the peculiar shape of the wall of the recess and of the outline of said lug or projection as the locking-lever E is turned on its pivot said lever F is over the outer inclined edge of the rack-bar, and when the lever E is thrown in the opposite direction or out of engagement with the teeth of the rack-bar said lever F is thrown out of engagement with the opposite or outside edge of the rack-bar.

In order to hold the lever E in a locked position, I provide a spring-actuated button K, having a knob K′ at one end and a spring L interposed between the bottom wall of the recess in the lever E and the shouldered portion of said button, whereby the latter is normally held in a recess in the upper face of the plate D.

From the foregoing it will be noted that by the provision of a locking means made in accordance with my invention the upper sash of a window may be held open a short distance sufficiently to allow for circulation of air, and by means of the clamping action of the lever F, which securely grips the rack-bar, the two sashes are held together and prevented from rattling.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A burglar-proof lock for window-sashes, comprising in combination with the rack-bar secured to the sash, a swiveled locking-lever carried by the meeting-rail of the sash, and means for gripping the opposite edges of the

rack-bar to hold the sash locked together, as set forth.

2. A sash-lock, comprising in combination with a rack-bar, adapted to be attached to the sash of a window, a swiveled locking-lever mounted on the meeting-rail of the sash, and provided with a recessed portion having an inclined or cam-outlined wall adapted to receive one of the teeth of the rack-bar, and means actuated by said lever for gripping the opposite edge of the rack-bar, as set forth.

3. A sash-lock, comprising in combination with the rack-bar secured to the sash of a window, a swiveled locking-lever having a recess, the wall of which is inclined and adapted to receive one of the teeth of said rack-bar, and a second pivotal lever actuated by the first lever and adapted to grip the outer edge of the rack-bar, as set forth.

4. A sash-lock, comprising in combination with a rack-bar secured to the sash of a window, a swiveled lever having a recess adapted to receive one of the teeth of said rack-bar, a lug projecting from said lever, a pivotal hooked lever having a recess engaged by said projection and adapted to be rotated as said pivotal lever is swung upon its pivot, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

NOAH M. HUTTON.

Witnesses:

GEO. L. SPATE,

L. S. LAKIN.