

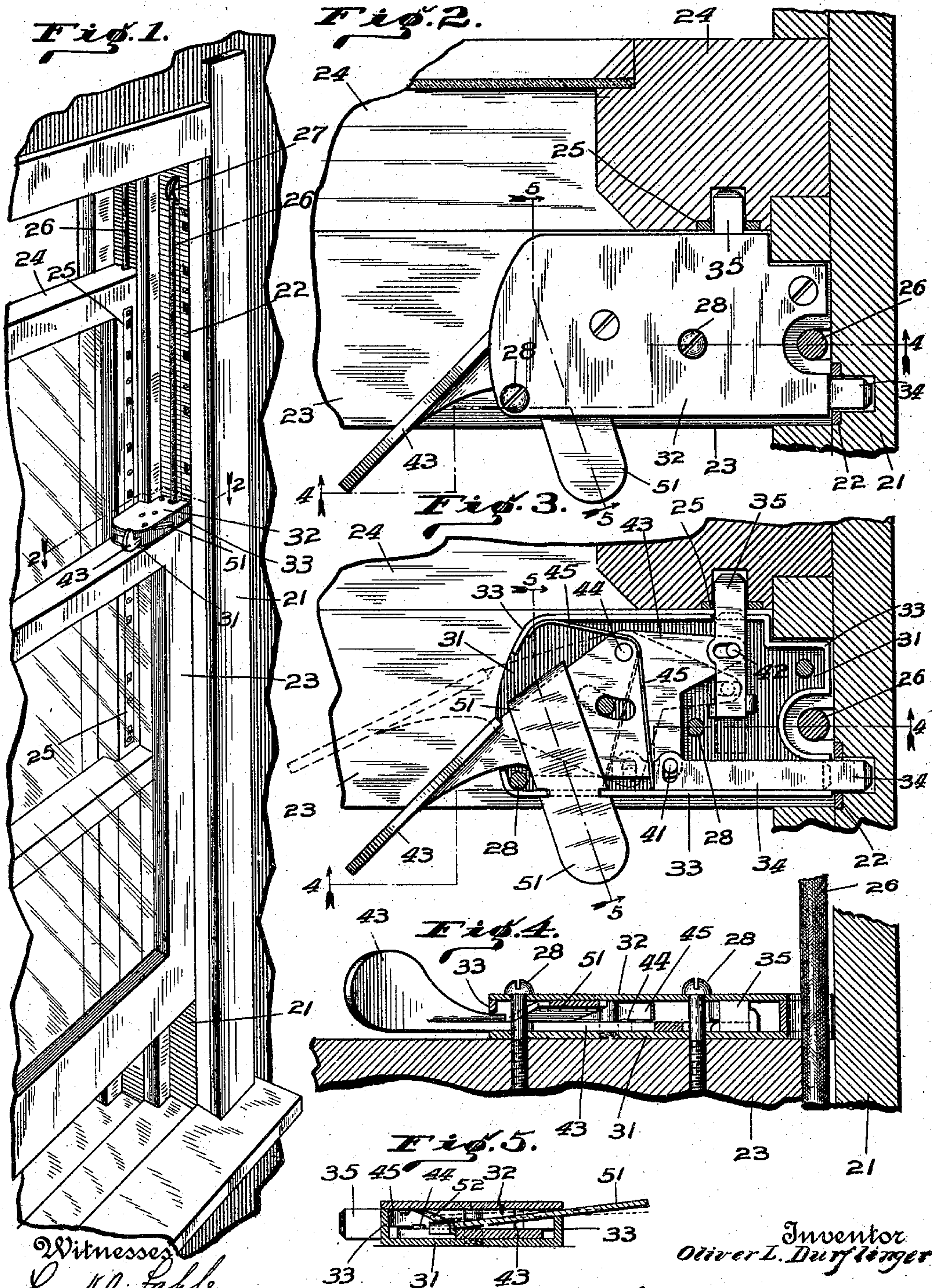
No. 840,758.

PATENTED JAN. 8, 1907.

O. L. DURFLINGER.

SASH LOCK.

APPLICATION FILED MAY 28, 1906.



Witnesses
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UNITED STATES PATENT OFFICE.

OLIVER L. DURFLINGER, OF INDIANAPOLIS, INDIANA.

SASH-LOCK.

No. 840,758.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed May 28, 1906. Serial No. 319,026.

To all whom it may concern:

Be it known that I, OLIVER L. DURFLINGER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Sash-Locks, of which the following is a specification.

The object of my present invention is to provide a sash lock or fastener by means of which the upper and lower sashes of a window may be locked or secured at any desired point both with relation to each other and to the frame or opening in which they are placed.

Referring to the accompanying drawings, which are made a part hereof, and on which similar reference characters indicate similar parts, Figure 1 is a perspective view of a portion of a window, the sashes being equipped with my improved sash-lock; Fig. 2, a plan sectional view at the point indicated by the dotted line 2 2 in Fig. 1, showing the lock itself in plan; Fig. 3, a view similar to Fig. 2 with the top portion of the shell or casing removed and by means of dotted lines also showing the locking-bolts and operating devices in their retracted position; and Figs. 4 and 5, sectional views as seen when looking in the direction indicated by the arrows from the dotted lines 4 4 and 5 5, respectively, in Figs. 2 and 3.

The window-frame 21 and sashes 23 and 24 are or may be of the usual form and construction except that the frame and upper sash are provided with perforated locking-strips 22 and 25, respectively. As is common, the sashes are carried in the frame upon cords 26, which run over pulleys 27 to ordinary window-weights. (Not shown.)

My improved sash-lock consists of a body or casing composed of a bottom 31, a top 32, and a side strip or rim 33. At its inner end it is recessed or cut away to accommodate the parting-strip and the sash-cord, as shown. In use this structure is strongly secured to the top side of the lower sash 23 at a point close to the frame and adjacent sash, as by screws 28. It contains two locking-bolts 34 and 35, one of which is adapted to enter mortise-like holes in the strip 25 on the upper sash and the other of which is adapted to enter corresponding holes in the strip 22 on the window-frame. These locking-bolts are mounted on studs 41 and 42, carried by an operating-lever 43, which in turn is mounted on a pivot 44, carried by the body of the lock.

These bolts are normally held into engagement (or locked position) by means of a spring 45 and are adapted to be retracted by suitable pressure on the handle of the lever. They are held against accidental withdrawal from engaged position by means of a catch or detent 51, which is mounted in the side of the frame or casing and extends over the lever and engages therewith, thus holding it from movement until said catch or detent is raised and the lever thus released. The detent 51 is provided upon its opposite edges with a pair of notches which extend toward each other, thus narrowing the detent at one point, as clearly shown in Fig. 3, and this narrowed portion of the detent lies in a shallow depression formed in the upper edge of the wall of the casing, while the adjacent portions of the wall of the casing-opening are received in the notches of the detent, thus holding the detent in position and forming a pivotal support therefor, the notches in the edges of the detent being slightly wider than the thickness of the wall of the casing. This detent is held down into engagement by a spring 52, as shown in Fig. 5. As the top and bottom of the casing are secured together by a screw which passes down through the body of the lever, (which is in the form of a flat plate,) a segmental slot is provided therein in order that the lever may have its proper movement about said screw.

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

1. A sash-lock comprising a suitable inclosing casing, a pair of sliding bolts mounted therein and projectable therefrom along lines substantially at right angles to each other, a plate 43 pivotally mounted within the casing and provided with portions projecting adjacent the sliding bolts, a connection between said projections and each bolt whereby the bolts may be positively reciprocated by oscillation of the plate, an operating-handle carried by said plate and projecting from the casing, a spring mounted within the casing and normally urging the bolts and plate to one extreme of position, and a catch member pivotally mounted within the casing and adapted to engage the plate to hold the same against movement in one direction.

2. A sash-lock comprising a suitable inclosing casing, a pair of sliding bolts mounted therein and projectable therefrom along lines substantially at right angles to each other, a

plate 43 pivotally mounted within the casing and provided with portions projecting adjacent the sliding bolts, a connection between said projections and each bolt whereby the
5 bolts may be positively reciprocated by oscillation of the plate, an operating-handle carried by said plate and projecting from the casing, a spring mounted within the casing and normally urging the bolts and
10 plate to one extreme of position, and a catch consisting of a strip having oppositely-arranged notches in its edges, said strip lying within a notch formed in the side wall of the

casing, the notches in the strip receiving the said side wall, said strip having at its inner 15 end a portion adapted to engage the pivoted plate, substantially as and for the purpose set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 20 26th day of May, A. D. 1906.

OLIVER L. DURFLINGER. [L. s.]

Witnesses:

CHESTER BRADFORD,
THOMAS W. McMEANS.