

(No Model.)

F. W. SEYMOUR.

COMBINED SASH FASTENER AND LIFT.

No. 312,023.

Patented Feb. 10, 1885.

Fig. 1.

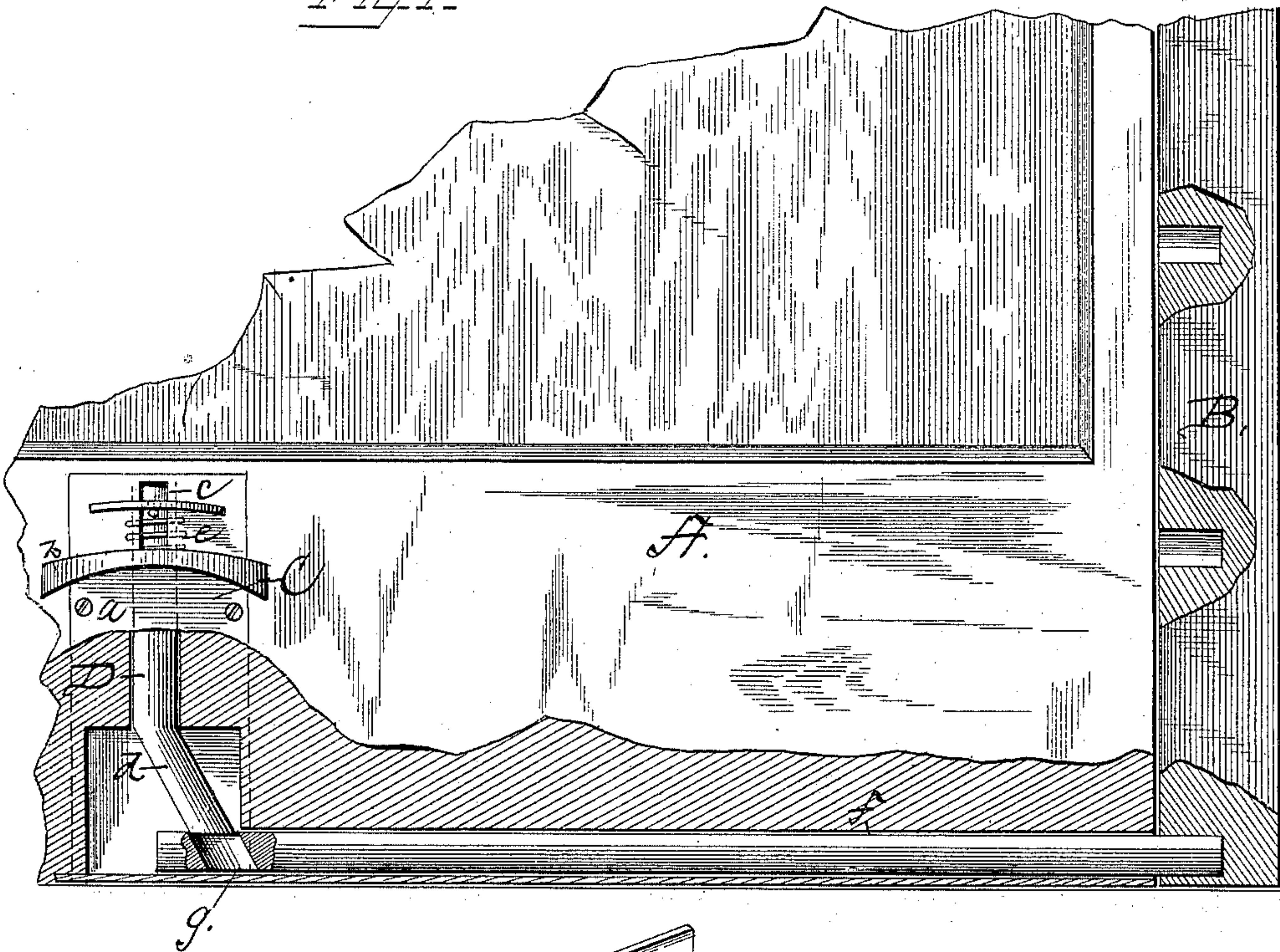
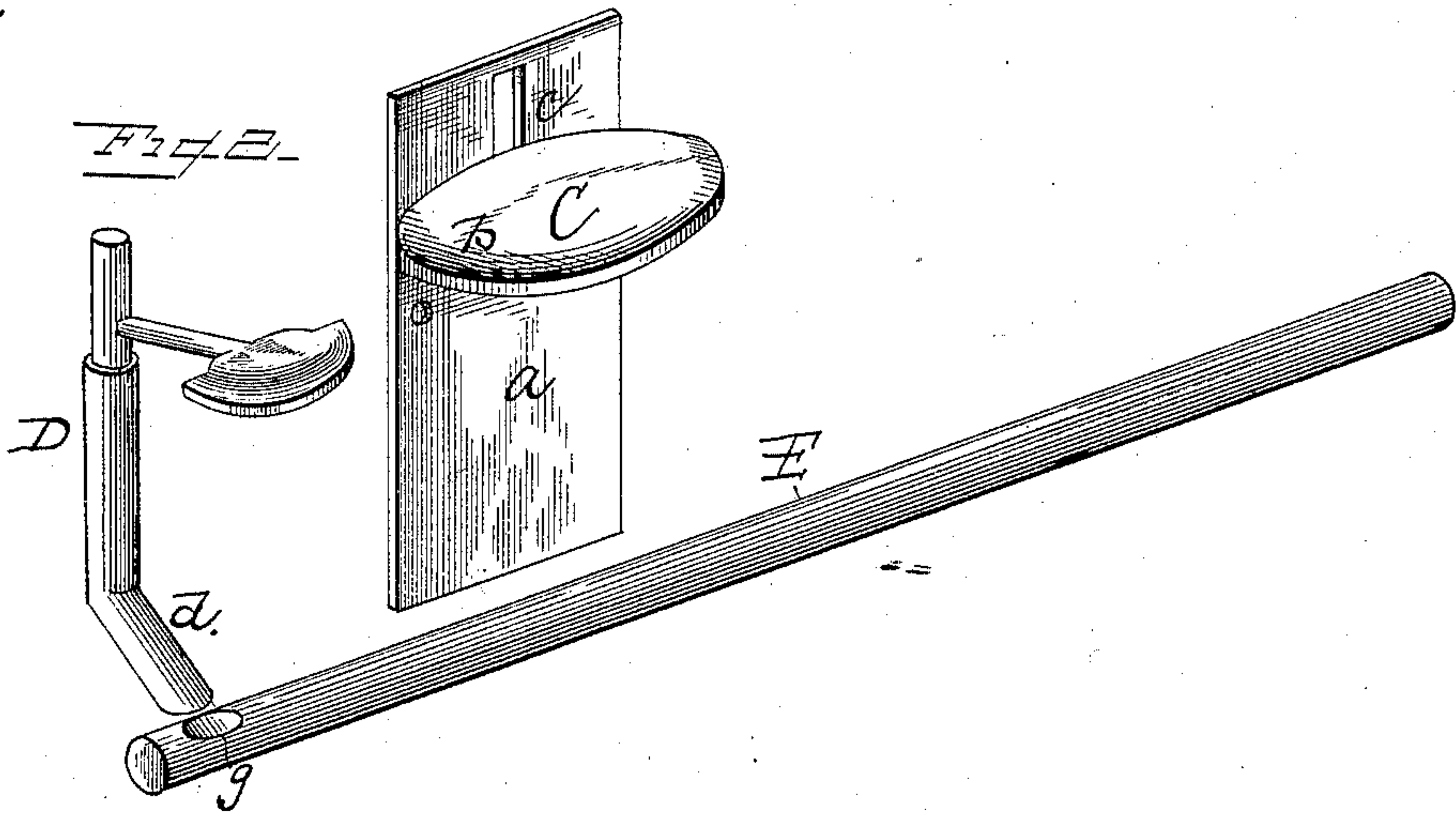


Fig. 2.



WITNESSES

F. L. O'Rand.
J. W. Lowe.

INVENTOR

F. W. Seymour
by *A. G. Heyman.*
Attorney.

UNITED STATES PATENT OFFICE.

FREDERICK W. SEYMOUR, OF NEWARK, OHIO, ASSIGNOR OF ONE-HALF TO
JOSEPH L. RHEES, OF WHEELING, WEST VIRGINIA.

COMBINED SASH FASTENER AND LIFT.

SPECIFICATION forming part of Letters Patent No. 312,023, dated February 10, 1885.

Application filed August 21, 1884. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. SEYMOUR, a citizen of the United States of America, residing at Newark, in the county of Licking, in the State of Ohio, have invented a new and useful Combined Sash Lifter and Holder, of which the following is a specification.

My invention has relation to improvements in means for lifting sashes and holding them in any desired position, either closed or in elevation, the object being to provide means for the purpose stated which will securely and certainly effect its object, and which will be of the most simple mechanical construction.

The device is fully illustrated in the accompanying drawings, forming part of this specification, and will be hereinafter clearly described and specifically stated, as required by statute.

In the drawings, Figure 1 represents a view of a sash and side rail of the frame of a window having my improvements attached, and Fig. 2 is a detailed view of the parts.

The letter A represents the frame of a window-sash, and the letter B represents the frame of the window.

My improved fastener and holder is especially adapted to be affixed to the lower rail of a sash, and to enter countersinks or mortises made in the side rail of the frame of the window.

The letter C represents the finger-lift, consisting of the plate *a* and lift *b*, formed to set over and inclose the movable finger-lever hereinafter stated, and also provided in the lift *b* with a perforation, *c*. This finger-lift is secured to the lower rail of the sash by any suitable means.

The letter D represents the finger-lever set behind the plate of the finger-lift, and secured in position by means of the plate. It may operate in a groove provided for the purpose. It consists of a rod having the inclined shank *d*, and shouldered at its upper end to admit of the interposition of the coil-spring *e* between the under face of the finger-lift and the shoulder for the purpose of giving automatic movement in one direction.

The letter E represents the latch-bar, which is let into a groove, *f*, in the under facing of the lower rail of the sash, and therein se-

cured by any suitable means. In the rear end of this latch-bar is formed a beveled mortise, *g*. This latch-bar is of the same length as the groove, and is moved back and forth by means of the vertical movement of the finger-lever D.

It will be seen by reference to the drawings that the inclined shank of the finger-lever sets in the beveled mortise of the latch-bar, so that when the movement of the finger-lever is downward the latch-bar is necessarily withdrawn from its mortise or countersink in the side rail, and that when the pressure is released from the top of the finger-lever the action of the coil-spring raises the finger-lever and shoots the bolt automatically into one of the series of countersinks in the frame.

It will be observed that the force which raises the window simultaneously may withdraw the bolt from locking contact, and that when the sash is raised to the position desired the mere removal of the force will restore the latch-bar to a locking position. While my improved fastener and holder is adapted to be put upon any window, it is especially designed to be applied to car-windows and other sashes narrower than commonly put into buildings. The lifter and the locking device being in unison, it will be observed that the window can be raised and lowered by using one hand only, since the effort which raises the window and the pressure which withdraws the lock can be applied simultaneously.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combined sash lifter and fastener consisting of the casing provided with a perforation in the finger-lift formed on the same, the finger-lever formed with the inclined shank, and projected through the perforation in the finger-lift, and provided with a spring to hold it in a lifted position, and the latch-bar formed with a beveled mortise in the rear to receive the inclined shank of the finger-lever, all substantially as described.

In testimony whereof I have hereunto subscribed my name in the presence of two attesting witnesses.

Attest: FREDERICK W. SEYMOUR.

WM. H. CALDWELL,
T. H. B. HAASE.