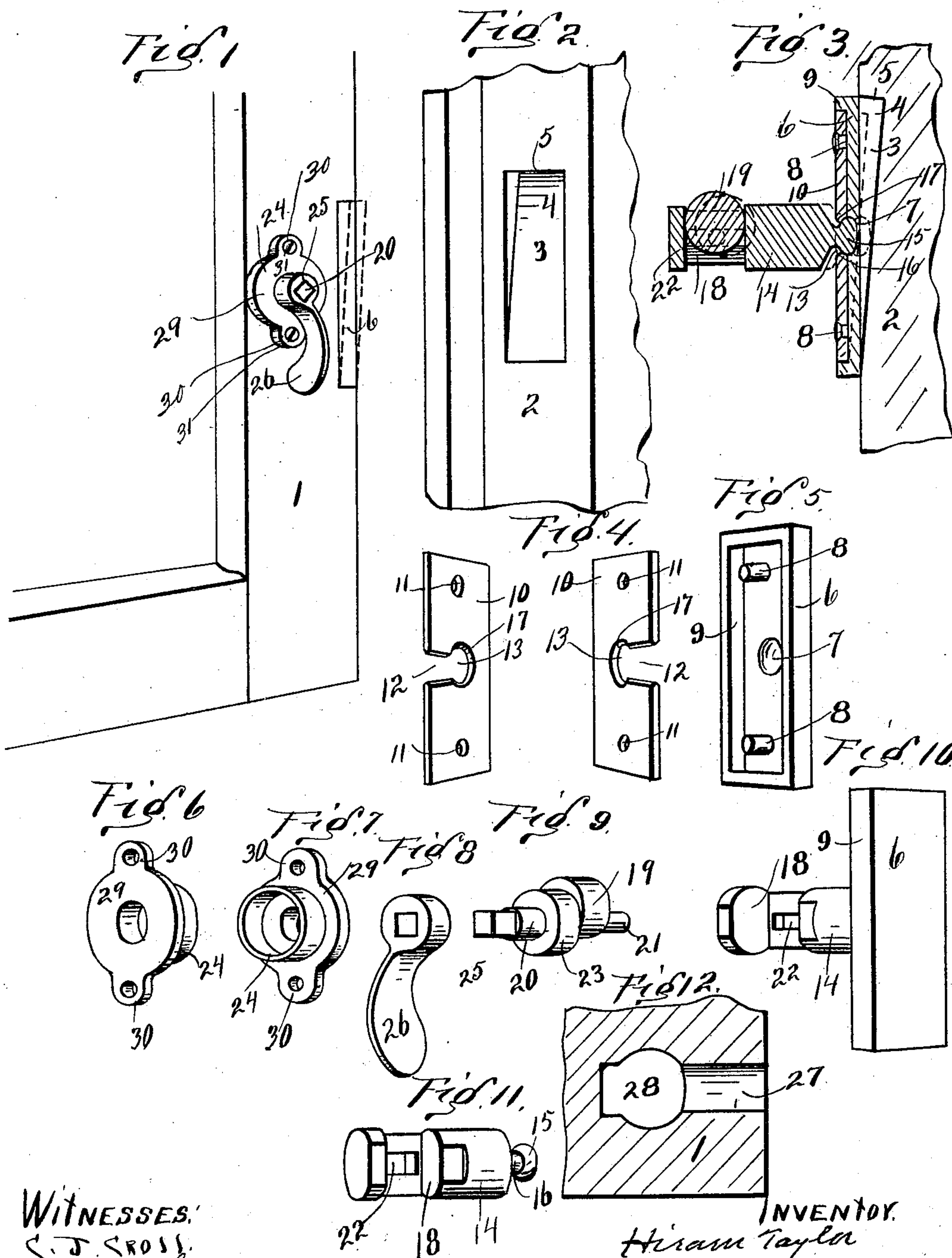


(No Model.)

H. TAYLOR.  
SASH HOLDER AND FASTENER.

No. 599,154.

Patented Feb. 15, 1898.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

HIRAM TAYLOR, OF SALEM, OHIO.

## SASH HOLDER AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 599,154, dated February 15, 1898.

Application filed August 12, 1897. Serial No. 648,036. (No model.)

*To all whom it may concern:*

Be it known that I, HIRAM TAYLOR, a citizen of the United States, residing at Salem, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in Window-Locks; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the figures of reference marked thereon, in which—

Figure 1 is a view showing my improved lock properly attached to a window-sash. Fig. 2 is a view showing a portion of the window-frame and illustrating the locking-recess. Fig. 3 is an edge view of the locking-recess, showing the locking-plate and its different parts in section. Figs. 4 are views of the bolt-retaining-plate. Fig. 5 is a detached view of the locking-plate proper. Figs. 6 and 7 are views of the cap and housing. Fig. 8 is a detached view of the operating-lever. Fig. 9 is a detached view of the bolt-operating eccentric. Fig. 10 is a view showing the bolt properly connected to the locking-plate. Fig. 11 is a detached view of the bolt. Fig. 12 is a view showing the aperture for receiving the reciprocating bolt and the thimble.

The present invention has relation to window-locks; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claim.

Similar numbers of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, 1 represents the window-sash, which is constructed in the ordinary manner and is placed in the window-frame 2 in the ordinary manner. The window-frame 2 is provided with the recess 3, which recess is provided with the inclined back 4, and when the lock is to be applied to the lower sash the inclined back is so arranged that the ledge or shoulder 5 will be located at the upper end of the recess; but when the lock is to be applied to the upper sash the corresponding ledge 5 is to be located at the lower end of a recess formed in the window-frame. The locking-plate 6 is substantially of the form shown, and, as

shown, it is provided with the socket 7, the rivets 8, and the flange 9, said parts being located and arranged substantially as shown in Fig. 5.

The bolt-retaining plate 10, when placed in proper position, is located substantially as shown in Fig. 3 and is held in that position by the rivets 8, which rivets are properly swaged after the plate 10 has been placed in position, said rivets extending through the apertures 11. The plate 10 is provided with the open recess 12, which open recess leads into and connects with the opening 13, which opening is formed of a size to correspond with the size of a socket 7 and is to be located directly opposite said socket when the plate 10 is placed in proper position.

By providing the recess or socket in the locking-plate 6 the head of the bolt is held at all times in proper position to press the locking-plate 6 and at the same time allow said locking-plate to freely turn, so as to bring it into proper position to lock the sash. Another object and purpose in providing the retaining-plate is to provide a means for so connecting the bolt to the locking-plate that there will be no lost motion between the locking-plate and the reciprocating bolt and to make the movements of each positive.

The reciprocating bolt 14 is placed in a proper aperture formed in the window-sash, and, as shown, it is provided with the head 15, located upon the neck 16, as illustrated in Figs. 3 and 11. The reciprocating bolt is connected to the locking-plate 6 by passing the neck 16 through the open recess or slot 12 and bringing the neck into the opening 13, after which the plate is placed in the position illustrated in Fig. 3, which brings the head 15 into the socket 7 and against the beveled portion 17, formed in the opening 13, after which the rivets 8 are swaged, so as to securely hold the plate 10 in proper position, thereby connecting the bolt 14 to the locking-plate. The bolt 14 is provided with the cut-out portion 18, which cut-out portion is formed of a length to correspond with the diameter of the eccentric 19, which eccentric is preferably formed integral with the cross-bolt 20. For the purpose of assisting in holding the bolt 20 in proper position it is provided with the pin or extension 21, which extension is set into the



slot 22, formed in the back of the recess 18, said slot being formed of a length to correspond substantially with the recess 18. The operating-bolt 20 is provided with the disk 23, which disk is formed of a diameter to correspond with the inner diameter of the thimble 24, and in which thimble the disk 23 revolves, by which arrangement the bolt 20 is held against any rocking movement, the pin 21 and the slot 22 assisting in properly holding the bolt 20. The outer end of the bolt 20 is provided with the annular portion 25, upon which annular portion is located the operating-lever 26, as illustrated in Fig. 1. It will be understood that when the operating-lever is moved in one direction it will crowd the locking-plate into the recess 3, and by forcing the bolt 14 endwise bring the locking-plate into proper position to lock the window-sash, the said locking-plate turning upon the head 15, so as to bring the upper end of said locking-plate under the shoulder 5, and when the operating-lever is moved in the opposite direction it will withdraw the locking-plate from the recess by means of the eccentric 19, thereby releasing the window-sash, at which time it is free to be moved upward.

It will be understood that by my arrangement I am enabled to lock or securely hold the window-sash at any desired point of adjustment by moving the lever 26 so as to crowd the locking-plate against the face of the window-frame adjacent to the edge of the window-sash.

The aperture 27 is formed in the window-

sash to receive the bolt 14, and the aperture 28 is located substantially at right angles to the aperture 27, as illustrated in Fig. 12, the thimble 24 fitting in the aperture 28. The thimble 24 is provided with the cap 29, which cap is provided with the ears 30, said ears being for the purpose of securely connecting the cap and thimble to the window-sash by means of suitable screws, such as 31.

It will be understood that the aperture 28 should be formed larger in diameter than the aperture 27, so that there will be room for the vertical movement of the eccentric 19, or, in other words, to permit the eccentric to operate without binding.

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

The combination of a reciprocating bolt provided with the cut-out portion 18, and the slot 22, located in the back of the recess 18, and head 15, the bolt 20, provided with the eccentric 19, and the pin or extension 21, the locking-plate 6, provided with the recess or socket 7, the retaining-plate 10, provided with the open recess 12, and the opening 13, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HIRAM TAYLOR.

Witnesses:

MAX. S. LAIRD,

HENRY C. JONES.