(No Model.)

A. B. ADAMS.

SASH FASTENER.

No. 452,823. Patented May 26, 1891.

Fig. 1.

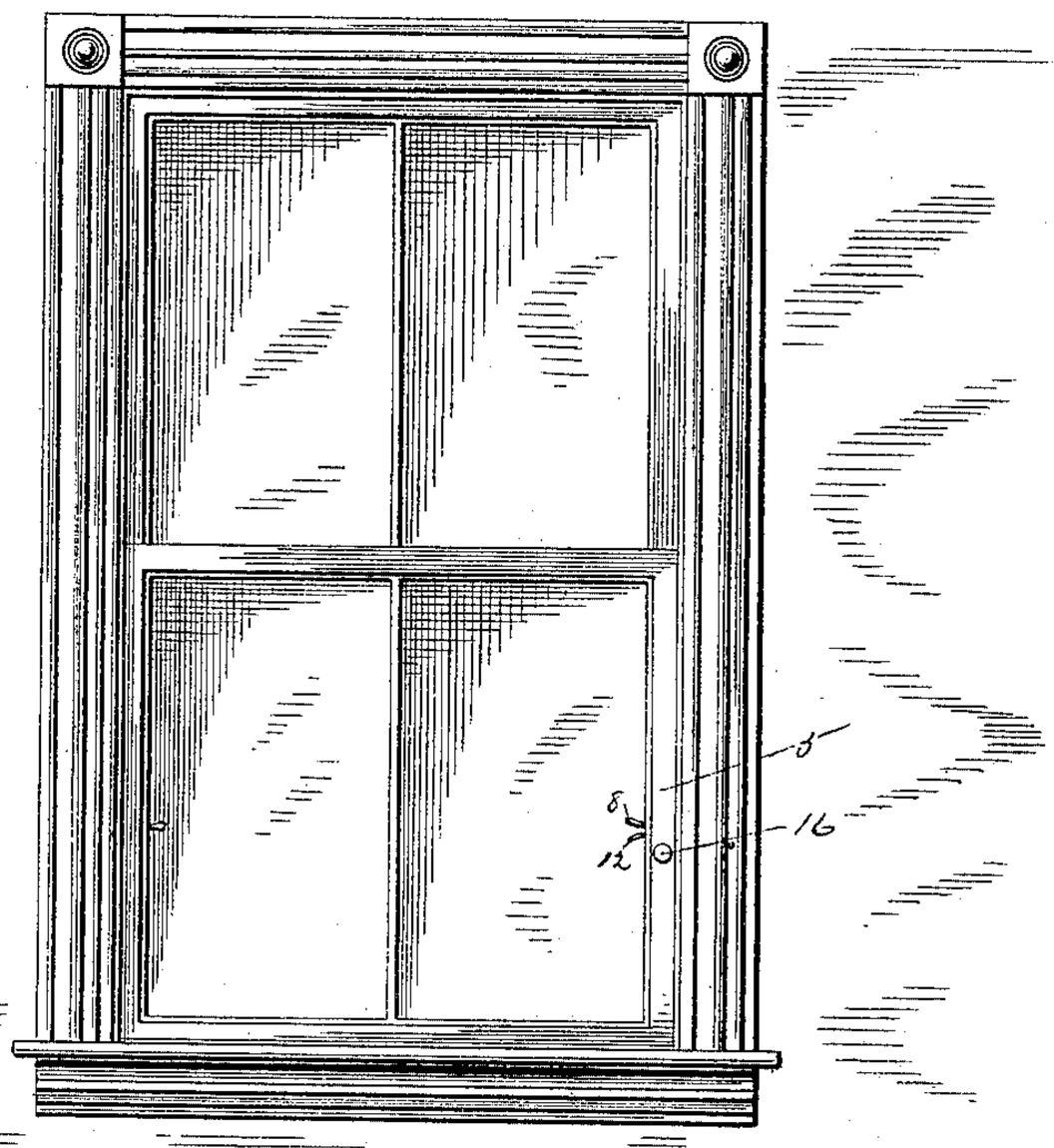


Fig. 3.

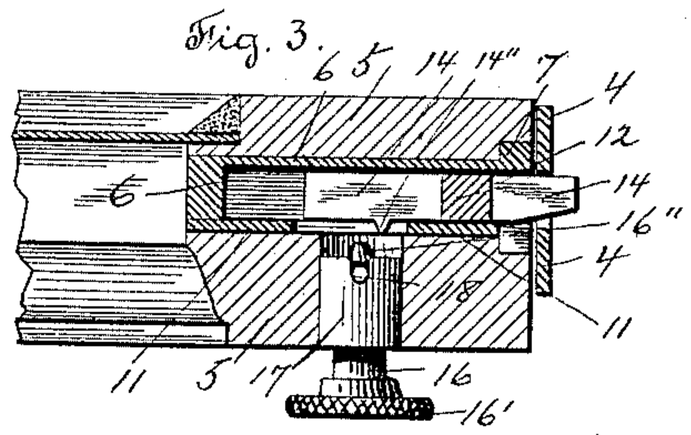


Fig. 4.

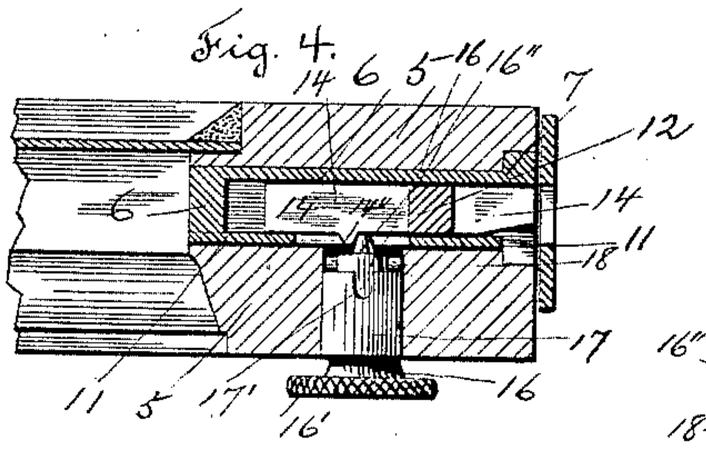


Fig. 5.

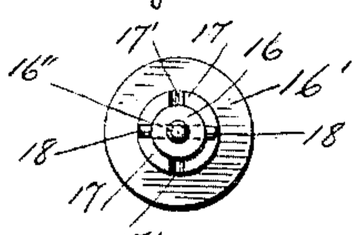
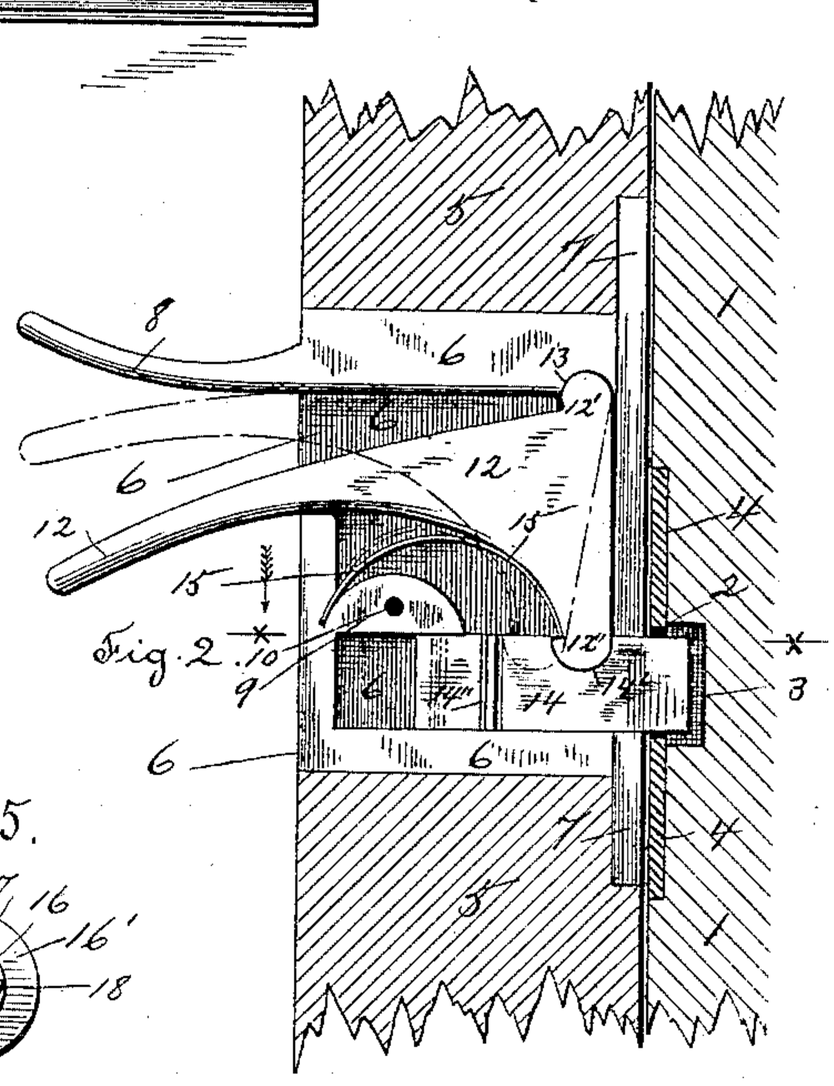


Fig. 2.



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SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 452,823, dated May 26, 1891.

Application filed September 24, 1890. Serial No. 366,021. (No model.)

To all whom it may concern:

Be it known that I, ASA B. ADAMS, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Sash Holders and Locks; and I do hereby declare that the following is a full, clear, and exact description thereof, which, in connection with the drawings making a part of this specification, will enable others skilled in the art to which my invention belongs to make and use the same.

My invention relates to improvements in a combined sash holder and lock; and the object of my invention is to improve upon and simplify the construction and operation of a combined sash holder and lock as now ordinarily constructed, and to produce a combined sash holder and lock by means of which a window-sash may be held and locked in a closed position, or in any desired open position, or may be used independently of said sash holder and lock, as will be hereinafter fully described.

My invention consists in certain novel features of construction and operation of a combined sash holder and lock, as will be hereinafter fully described, and the nature thereof indicated by the claim.

Referring to the drawings, Figure 1 represents a window-frame, to the lower sash of which my improved sash holder and lock is applied. Fig. 2 is a central vertical section through a portion of the sash and window-casing, showing my improved sash-holder with the face-plate and locking-bolt removed. Fig. 3 is a cross-section taken on line *x x*, Fig. 2, looking in the direction of the arrow, same figure. Fig. 4 is a cross-section corresponding to Fig. 3, showing the latch locked in its inner position; and Fig. 5 is an end view of the inner end of the locking-bolt shown in Figs. 3 and 4.

In the accompanying drawings, 1 is a portion of the side window-casing, in the inner edge of which toward the sash are made at regular intervals notches 2, which may be provided with metal sockets 3 and face-plates 4. 5 is the side window-sash, which is cut out or slotted in the ordinary way to receive the box 6 of the sash-holder. The box 6 is made of metal, preferably cast in one piece, having the flanged edge 7, which extends along the outer edge of the sash 5, and the rigid arm or thumb-piece 8, extending out beyond the inner edge of the sash 5 in the ordinary way. A projection 9 is made in the box, having a screw-threaded hole 10 therein, into which extends the screw for securing the face-plate 11 (shown in Figs. 3 and 4) to the box 6. Within the box 6 is pivoted the lever 12, in this instance by a knob 12′, extending loosely into a corresponding depression 13 in the upper part of the box 6. The lower part of said lever 12 is provided with a knob 12″, which extends loosely into a corresponding depression 14′ in the horizontal sliding latch 14. The sliding latch 14 has its bearings in the lower part of the box 6, between the projection 9 and the lower edge of the box 6. (See Fig. 2.) The latch 14 is moved in and out in the box 6 by means of the lever 12, whose outer end extends beyond the box 6 and sash 5, as shown in Figs. 1 and 2, in the ordinary way. The lever 12 is actuated in this instance to hold the latch 14 in its outward position by means of a flat spring 15, one end of which is secured in the box 6 and the other end bears against the knob 12″ of the lever 12. The sliding latch 14 preferably has its outer end beveled, as shown in Figs. 3 and 4, and is provided with a ridge or shoulder 14″, extending up from the upper face thereof.

Combined with the sash-holder above described, to hold and lock the sliding latch 14 either in its outward position, as shown in Fig. 3, or in its inward position, as shown in Fig. 4, so that the sash will be free to move up or down independently of said sash holder and lock, is a locking-bolt 16, which is supported and turns loosely in a sleeve 17, secured in the inner part of the sash 5 and extending at right angles to the sash-holder over the sliding latch 14, as shown in Figs. 3 and 4. The locking-bolt 16 is provided with a head 16′ for operating the same, and its inner end is preferably provided with a point 16″, and is also provided with lugs or pins 18, extending out from opposite sides thereof, adapted to fit into notches 17′ in the inner edge of the sleeve 17, when the locking-bolt 16 is disengaged from the sliding latch 14 and drawn out, as shown in Fig. 3.

The operation of the locking-bolt 16 in con-

nection with the sliding latch 14 of the sash-holder will be readily understood by those skilled in the art. When it is desired to have the sliding latch 14 free to operate and be moved in or out by the lever 12, the locking-bolt 16 is drawn out, as shown in Fig. 3. When it is desired to lock the sliding latch 14 either in its inward position, so as to leave the sash free to be raised independently of said latch and holder, as in the case of weighted windows, or to lock the sliding latch in its outward position, so as to hold or lock the sash at any desired position, the sliding bolt 16 is turned and moved in, so that the end 16″ thereof will extend beyond the ridge or shoulder 14″ on latch 14, and the pins or lugs 18 will extend over the inner edge of the sleeve 17, as shown in Fig. 4. Said lugs or pins 18 serve to hold and lock the bolt 16 in its inward position, as above described, and prevent any movement of the sliding latch until the locking-bolt 16 is turned, so that the lugs or pins 18 will pass into the notches 17′ of the sleeve 17, as shown in Fig. 3.

From the above description, in connection with the drawings, it will be seen that I have obtained a combined sash holder and lock of simple construction and operation, and effective to hold and lock a window-sash in a closed or open position, as desired, or to allow the sash to be opened and closed and used independently of said sash holder and lock.

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

In sash-fasteners, the combination, with the box and lever pivoted therein, the lever-actuating spring, and a sliding latch operated by said lever, of a locking-bolt supported and turning in a sleeve, with its inner end adapted to be moved into engagement with or disengaged from said sliding latch, for the purpose stated, substantially as set forth.

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