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LATCH KEEPER FOR SASH LOCKS

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Fig. 1.

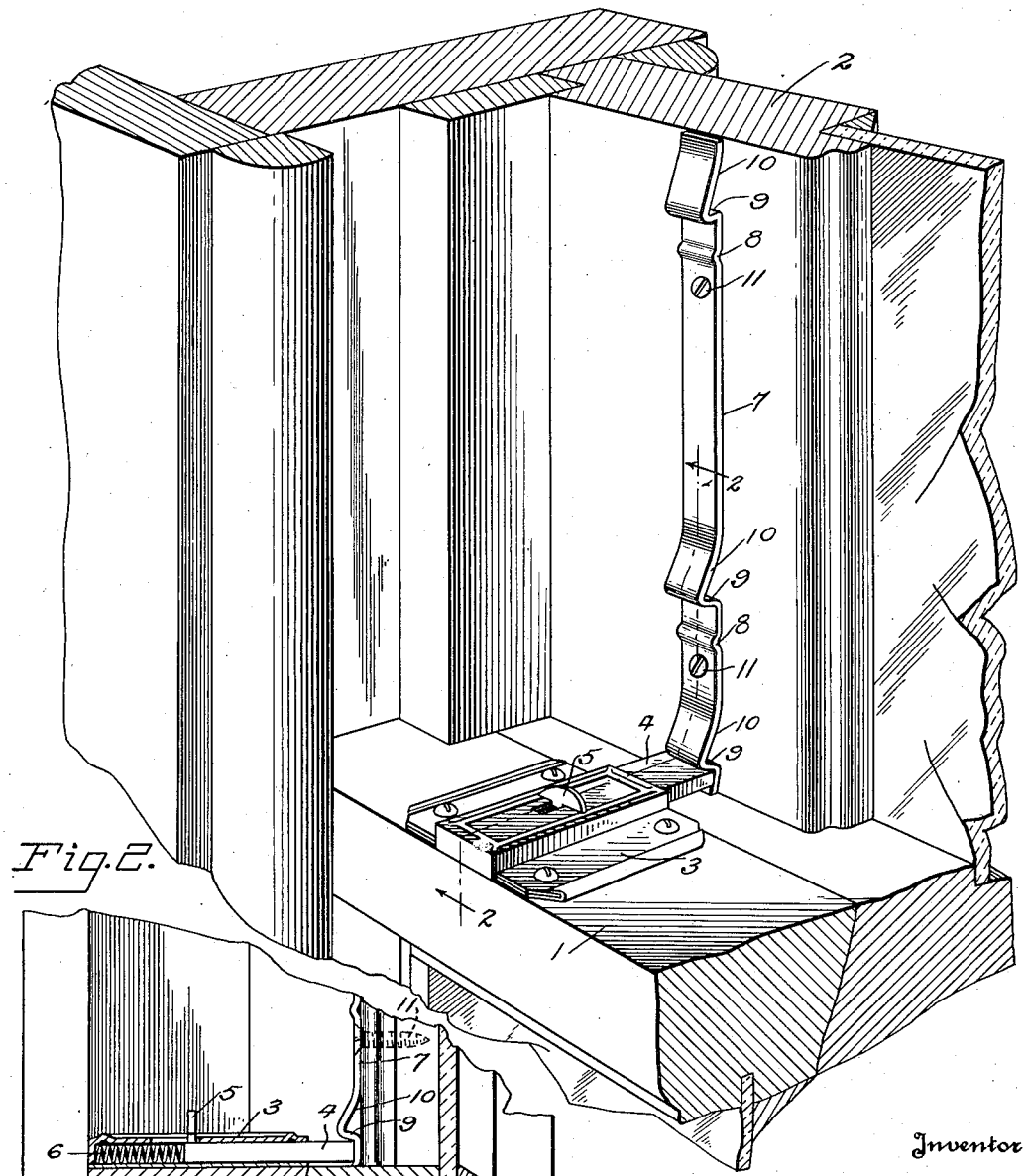


Fig. 2.

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LATCH KEEPER FOR SASH LOCKS

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2 Claims. (Cl. 292—340)

This invention relates to safety latches; and, more particularly to an improved keeper for a safety latch for use in connection with the ordinary sliding type of window sash.

The object of the invention is to provide an improved and simple device which may be readily attached to the sash which will permit the raising of the lower sash to various heights with respect to the upper sash and locking the two sashes in these various positions.

A further object is to provide in a device of the character indicated, means which will prevent the tampering with the lock by a person from without the window, and further means which will permit the very ready lowering of the sash without manipulation of the locking device.

With these and other objects in view, as will hereinafter more particularly appear, the invention consists in the novel construction, arrangement, and combinations of parts hereinafter more particularly described and claimed.

One sheet of drawings accompanies this specification as part thereof in which like reference characters indicate like parts throughout.

Figure 1 is a fragmentary perspective of a window frame and sash at the junction of the sash showing the improved latch device in operative position; and

Figure 2 is a fragmentary cross section taken on line 2—2 of Figure 1.

Referring to the drawing, numeral 1 indicates the top rail of the lower sash, 2 the side rail of the upper sash, and 3 an ordinary spring bolt secured upon the upper face of the top rail of the lower sash with its bolt 4 directed toward the side rail of the upper sash.

The spring bolt 3, which is of well known construction, consists essentially of a housing in which is slidable a bolt 4 having attached thereto a thumb press 5, the bolt being projected normally out from the housing as by means of a compression spring 6.

Attached to the side rail 2 of the upper sash, and extending longitudinally of the side rail, is a strip 7 of metal, or the like, having formed therein a transverse ridge 8 and spaced from the transverse ridge 8 an abrupt shoulder 9 with an inclined cam face 10 extending upwardly from the outer edge of the shoulder 9, as illustrated.

The ridge 8 and shoulder 9 are spaced apart substantially the thickness of the bolt 4 so that the bolt 4 will seat between the shoulder and the ridge, as illustrated in Figure 1. The above described combination of ridge and shoulder may be duplicated a number of times at spaced intervals, as illustrated, providing a plurality of stop points to which the lower sash may be adjusted, as desired.

From an observation of the drawing, it will be apparent that with the bolt 4 projected into the seat formed between the ridge and shoulder part, the lower sash cannot be raised by reason of the engagement of the bolt 4 with the shoulder 9. It will furthermore be apparent that by reason of the ridge 8, it will be impossible for anyone on the outside to retract bolt 4 by means of a thin strip or other tool, there being no opportunity for intruding a tool back of bolt 4 because of the position of ridge 8. It will also be apparent that by reason of the cam faces 10, the lower sash can be readily lowered without any manipulation of the bolt 4. The strips and bolts will preferably be applied to the sash on each side, and the strips will, of course, be provided with suitable holes for attachment screws 11, by means of which these strips can be securely attached to the sash.

Various modifications in the precise form and construction of the parts will readily suggest themselves to those skilled in the art, but all within the scope of the present invention as claimed.

What I claim is:

1. An improved latch keeper member for windows consisting of a strip of sheet metal bent transversely to form a low rounded transverse ridge and further bent transversely to form a relatively high transverse shoulder spaced from said ridge, said strip extending beyond said shoulder at an acute angle thereto to constitute a cam face oppositely disposed to said ridge with respect to the shoulder.

2. An improved latch keeper member for windows consisting of a strip of sheet metal bent transversely at spaced intervals to form low transverse ridges and further bent transversely adjacent each of said ridges to form relatively high transverse shoulders, each shoulder spaced from its adjacent ridge substantially the thickness of the latch member, said strip extending beyond each of said shoulders in the same direction at an acute angle thereto to constitute cam faces oppositely disposed to said ridges with respect to said shoulders.

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