

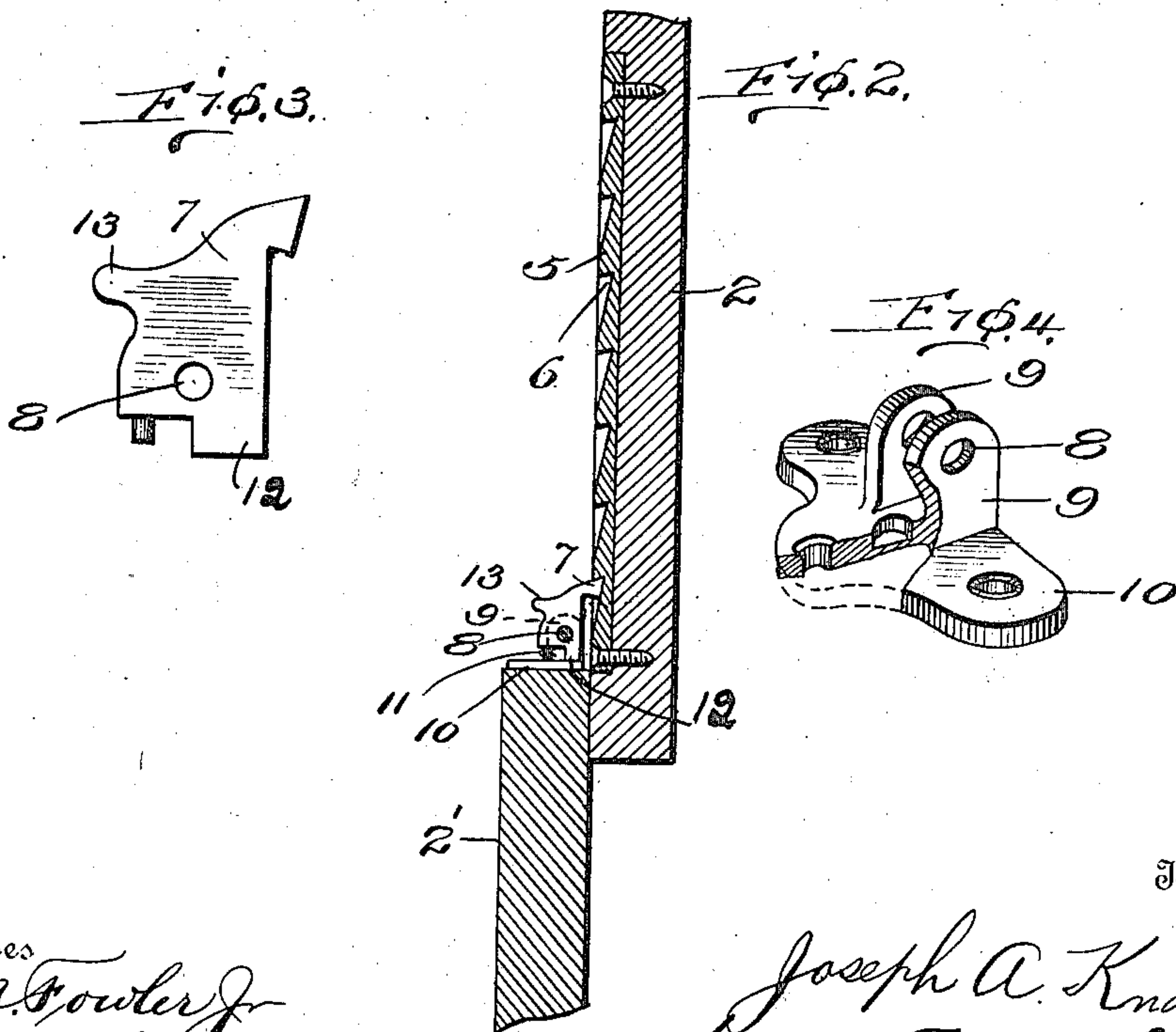
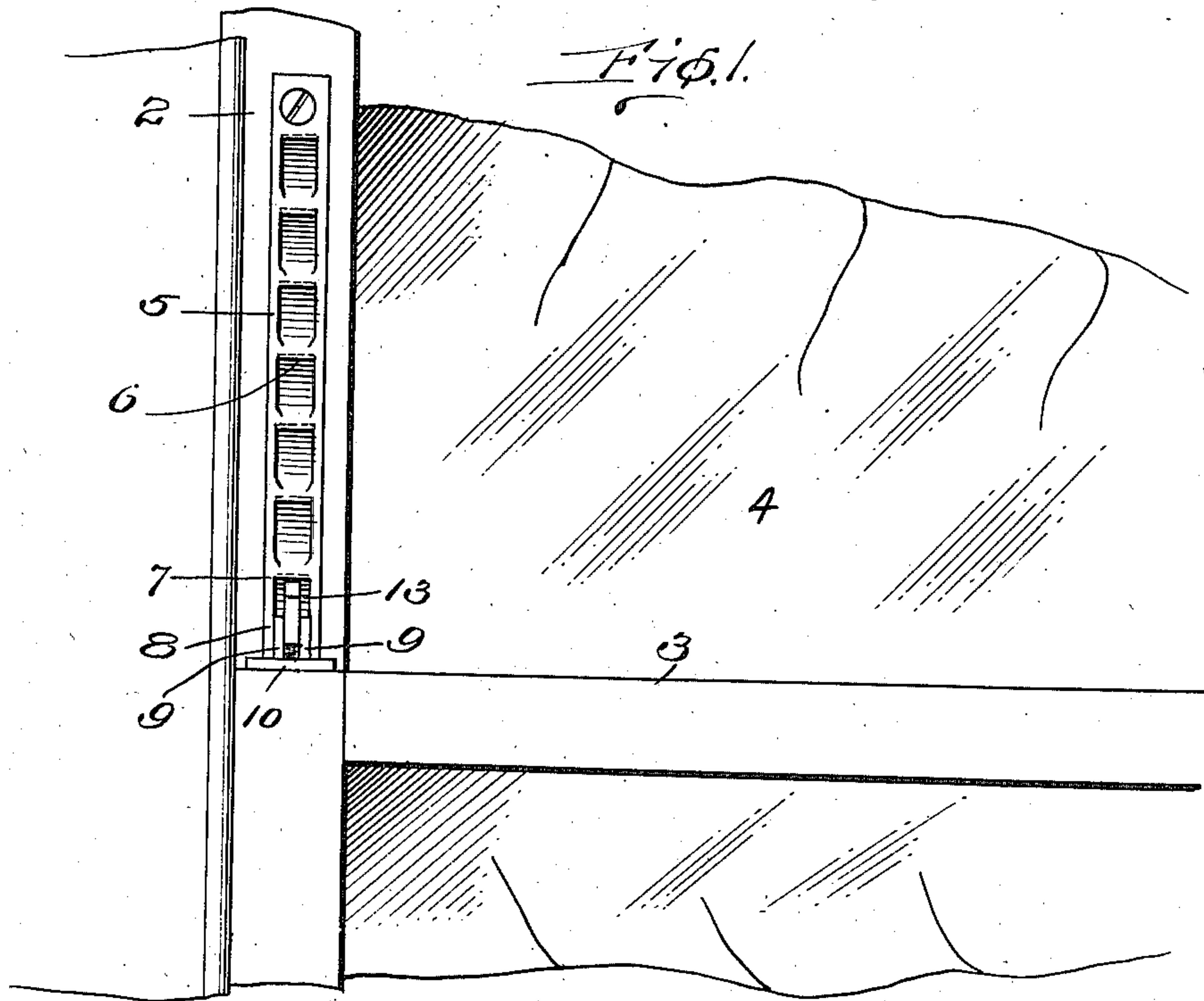
J. A. KNASINSKI.

SASH FASTENER.

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975,961.

Patented Nov. 15, 1910.



Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH A. KNASINSKI, OF OSHKOSH, WISCONSIN, ASSIGNOR OF ONE-HALF TO AUGUST W. KOEHN, OF OSHKOSH, WISCONSIN.

SASH-FASTENER.

975,961.

Specification of Letters Patent. Patented Nov. 15, 1910.

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To all whom it may concern:

Be it known that I, JOSEPH A. KNASINSKI, citizen of the United States, residing at Oshkosh, in the county of Winnebago and State of Wisconsin, have invented certain new and useful Improvements in Sash-Fasteners, of which the following is a specification.

My invention is especially adapted to windows having two movable sash.

One of the objects of my invention is to provide a sash fastener that will be substantially burglar proof.

A further object of my invention is to provide a mechanism that will fasten either sash when partially open.

With these and further objects in view, the invention comprises certain novel constructions, combinations and arrangements of parts that will be hereinafter fully described.

In the accompanying drawing I have shown an ordinary two light window, the sash hung perpendicularly by weights.

Figure 1 represents a front view and Fig. 2 a side view of my invention. Fig. 3 is a detail view of a spring actuated pawl, and Fig. 4 is a detail perspective view of the latch supporting bracket partly broken away to show the spring cavity.

Referring to the drawings by numerals 2 represents the stile of the top sash and 2' the stile of the bottom sash.

3 represents the check rail, 4 represents the glass, 5 represents a bar having a series of recessed ratchet teeth, 6, and 7 represents a spring actuated pawl adapted to engage the teeth of the ratchet-bar 5. The bar 5 is attached to the inside of the stile of the top sash 2 and the pawl 7 is pivoted at 8 to jaws 9, 9, supported by the plate 10 which is seated upon the top of the check rail 3 of the lower sash.

11 represents a spring adapted to force the pawl into engagement with any of the ratchet teeth; 12 represents a rectangular projection. The function of the projection 12 is to prevent the tripping of the pawl by any instrument inserted between the rails.

The projection 12 is intended to swing across the opening between the upper and lower sashes in order to effect the result stated.

The pawl may be disengaged by downward pressure upon the thumb-piece 13. The top of the thumb piece 13 is made to taper inwardly from the upper sash and downwardly so that it will be impossible to engage the same from the outside with any sort of instrument by which the pawl may be tripped or disengaged from the bar 5.

It will be observed that by reason of the numerous ratchet teeth the lower sash may be partially raised or the upper sash partially lowered and still when the pawl is brought into engagement with any one of the ratchet teeth the sash will be fastened.

Recessed ratchet teeth are preferable to prevent manipulation from the outside.

Having thus described my invention what I claim is:

In a sash fastener, a bar provided with a plurality of recesses and arranged to be secured to the upper sash, one of the walls of each of the recesses extending downwardly and inclined inwardly toward the lower sash, the adjacent wall of such recesses meeting the wall first mentioned at an acute angle, a plate arranged to be mounted on the lower sash, a pawl pivoted to such plate, said pawl being provided with an engaging portion the edges of which form an acute angle for engaging the corresponding angle of the recess, a spring for holding the pawl in position, and a member projecting from the lower edge of the pawl and at substantially right angles to the engaging portion, said projecting member being arranged to swing toward the upper sash and across the upper and outer edge of the lower sash to prevent the pawl from being operated from a point below the same.

In testimony whereof I affix my signature, in presence of two witnesses.

JOSEPH A. KNASINSKI.

Witnesses:

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