July 14, 1925. 1,545,804

N. WARMERDAM

SASH FASTENER

Filed Dec. 26, 1924

Fig. 1.

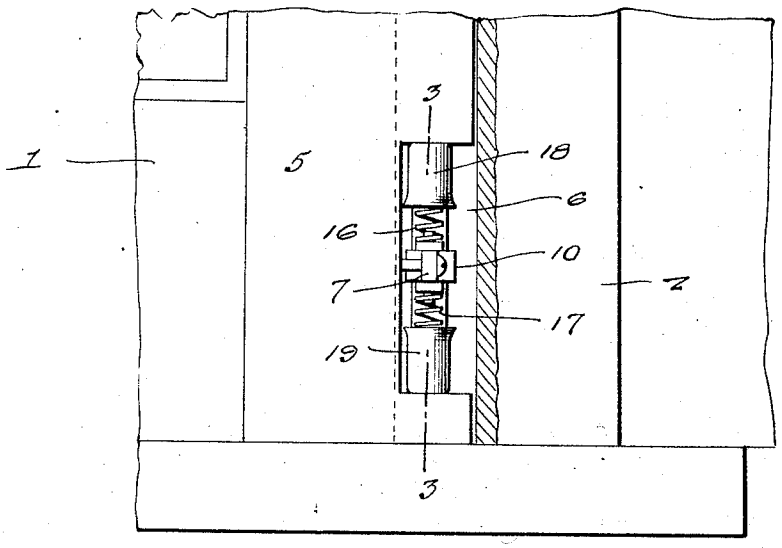


Fig. 2.

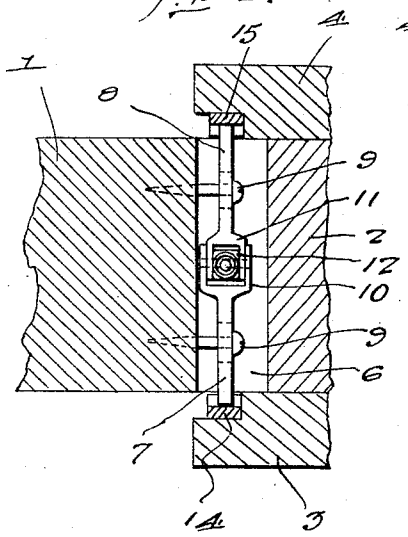
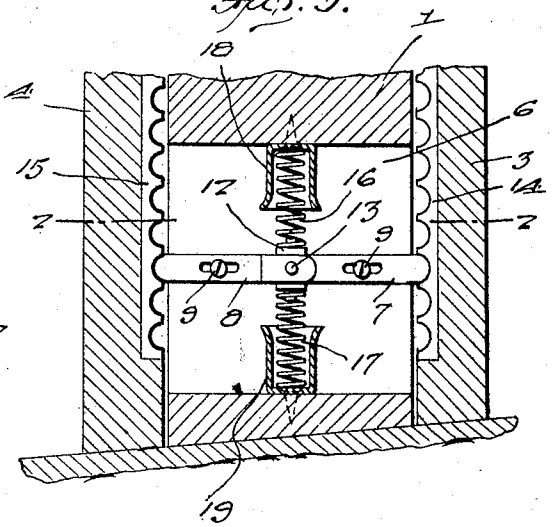


Fig. 3.



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UNITED STATES PATENT OFFICE.

NICHOLAS WARMERDAM, OF LONG BEACH, CALIFORNIA.

SASH FASTENER.

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To all whom it may concern:

Be it known that I, NICHOLAS WARMERDAM, a citizen of the Netherlands (Holland), residing at Long Beach, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in a Sash Fastener, of which the following is a specification.

This invention relates to improvements in sash fasteners and has for its primary object to provide a device for retaining the window sash in various adjusted positions.

A further object of the invention is to provide a sash fastener of the above mentioned character, which is of such construction as to prevent the accidental sliding movement of the window sash after the same has been secured in its adjusted position.

A still further object of the invention is to provide a sash fastener of the above mentioned character, which may be readily and easily installed in position and will not in any way interfere with the opening or closing of the window, the operation of the fastener being at all times automatic.

A further object is to provide a sash fastener of the above mentioned character, which is simple in construction, inexpensive, strong and durable and furthermore adapted for the purposes for which it is designated.

Other objects and advantages of this invention will become apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals designate like parts throughout the same;

Figure 1 is a fragmentary side elevation of a window illustrating the manner in which my improved fastener is associated therewith.

Figure 2 is a sectional view taken approximately on line 2—2 of Figure 3, and

Figure 3 is a sectional view taken approximately on line 3—3 of Figure 1.

In the drawing wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates a portion of the lower sash of a sliding window, the frame being indicated at 2 and the usual guide rails 3 and 4 respectively. The side rail of the sash 1 is illustrated at 5 and the lower portion thereof is cut away as illustrated at 6 as is clearly illustrated in the drawing. It is of course to be understood that the opposite side rail of the lower sash 1 is also provided with a similar cut out portion.

A pair of bolts 7 and 8 respectively are pivotally supported intermediate their ends on the screws 9 which are driven into the outer edge of each side rail in the cut out portion 6. The bolts extend laterally in the cut out portion 6 and the outer ends of the bolts are disposed beyond the outer faces of the side rails 5 of the lower sash. The inner ends of the bolts are provided with the interfitting forks 10 and 11 respectively, and a block 12 is secured between the forked ends of the bolts as illustrated at 13.

The outer ends of the bolts 7 and 8 are adapted for cooperation with the notch bars 14 and 15 respectively which are disposed vertically within suitable cut out portions provided therefor in the inner opposed faces of the guide rails 3 and 4.

For the purpose of holding the bolts in horizontal alignment so that the same are in engagement with one pair of opposed notches in the bars 14 and 15, a pair of coil springs 16 and 17 are provided. The inner opposed ends of the coil springs are secured to the upper and lower ends of the bolts 12, the opposite ends of the coil springs being disposed within suitable cup shaped members 18 and 19 respectively which are secured at the top and bottom of the cut out portion 6 in the manner more clearly illustrated in Figures 1 and 3.

When the sash 1 is raised, the bolts 7 and 8 will be moved out of horizontal alignment and will slide over the notched bars 14 and 15 respectively. After the window has been raised to the desired elevation, the springs 16 and 17 will automatically move the bolts 7 and 8 into locked engagement with the notched bars supported by the guide rails and thereby hold the sash in its adjusted position.

The simplicity of my device enables the same to be readily and easily installed in position on a window and will at all times be positive and efficient in its operation.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention and the scope of the appended claims.

Having thus described the invention, what I claim is:—

1. A sash fastener comprising in combination with a window sash having its side rail provided with a cut out portion, and the usual guide rails of the window casing, of a pair of bolts pivotally supported intermediate their ends in said cut out portion on the side edge thereof, the outer ends of the bolts extending beyond the outer faces of the side rail, notched bars in the opposed faces of said guide rails, and means associated with the inner opposed ends of said bolts for holding the outer ends thereof in engagement with the notched bars.

2. A sash fastener comprising in combination with a window sash having its side rail provided with a cut out portion, and the usual guide rails of the window casing, of a pair of bolts pivotally supported intermediate their ends in said cut out portion on the side edge thereof, the outer ends of the bolts extending beyond the outer faces of the side rail, notched bars in the opposed faces of said guide rails, and resilient means associated with the inner opposed ends of the bolts and the top and lower edges of the cut out portion for holding the outer ends of the bolts in engagement with the notched bars.

3. A sash fastener comprising in combination with a window sash having its side rail provided with a cut out portion, and the usual guide rails of the window casing, of a pair of bolts pivotally supported intermediate their ends in said cut out portion on the side edge thereof, the outer ends of the bolts extending beyond the outer faces of the side rail, notched bars in the opposed faces of said guide rails, the inner opposed ends of said bolts being forked and arranged in interfitting relation, a block secured in the forked inner end of the bolts, and coil springs secured at their inner opposed ends to the upper and lower ends of the blocks, the opposite ends of the coil springs being secured to the top and lower edges respectively of the cut out portions in the side rail for holding the outer ends of the bolt in engagement with the notched bars.

In testimony whereof I affix my signature.

NICHOLAS WARMERDAM.