Aug. 30, 1932. H. L. HAFF 1,874,098

WINDOW LATCH

Filed Sept. 11, 1931

Fig. 1.

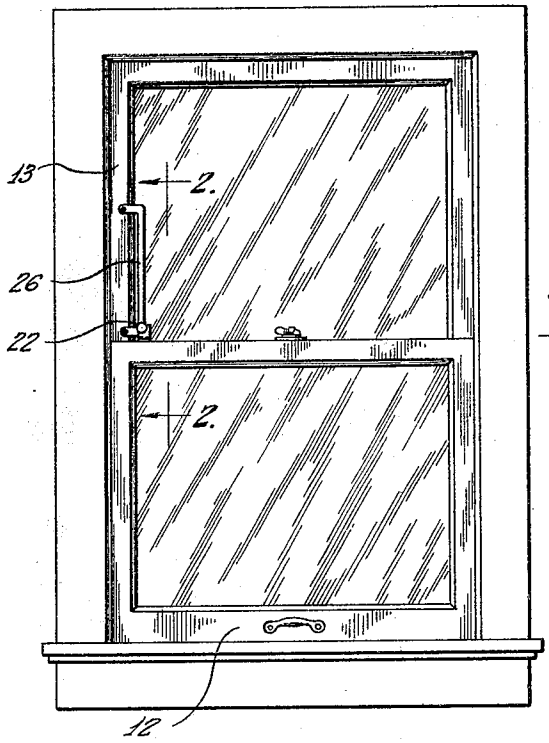


Fig. 2.

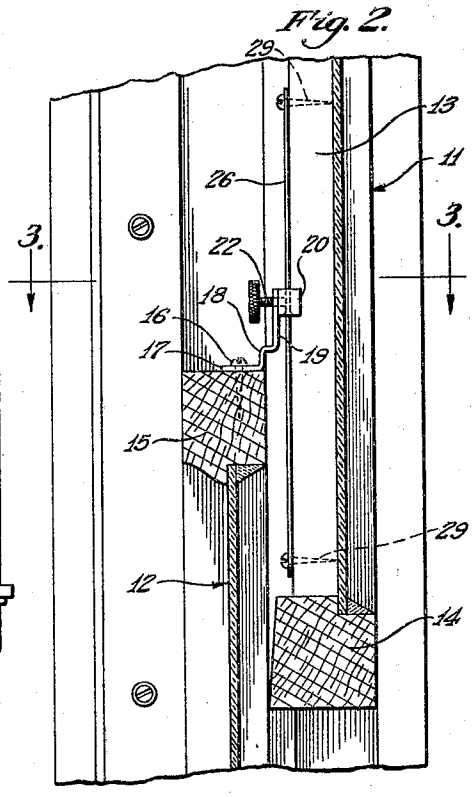


Fig. 3.

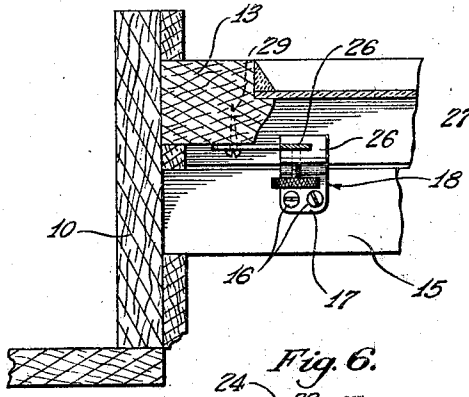


Fig. 4.

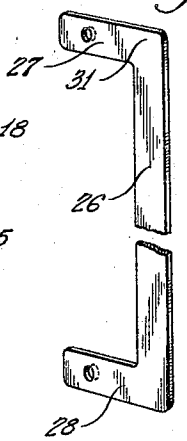


Fig. 5.

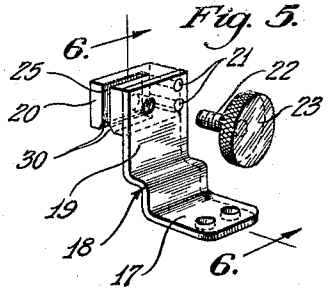
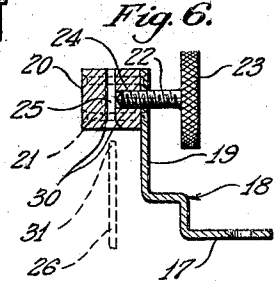


Fig. 6.



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Patented Aug. 30, 1932 1,874,098

UNITED STATES PATENT OFFICE

HENRY L. HAFF, OF CHICAGO, ILLINOIS

WINDOW LATCH

Application filed September 11, 1931. Serial No. 562,341.

This invention relates to certain novel improvements in a window latch, and has for its principal object the provision of an improved construction of this character which will be highly efficient in use and economical in manufacture.

It is an object of this invention to provide an improved stop to prevent unauthorized movements of window sashes.

Another object of the invention is to provide an improved stop by means of which either one or both of a pair of sliding sashes may be retained in various partly opened positions while being prevented from being further opened by an unauthorized person.

Another object of the invention is to provide an improved stop that is simple and inexpensive in construction and which may be readily attached to any conventional type of sliding sash.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing showing the preferred form of construction, and in which:

Fig. 1 is an elevational view of a window showing the invention associated therewith;

Fig. 2 is a vertical section on line 2—2 in Fig. 1;

Fig. 3 is a horizontal section on line 3—3 in Fig. 2;

Fig. 4 is a perspective view of an element embodied in the invention;

Fig. 5 is a perspective view of a structure embodiment in the invention; and

Fig. 6 is a sectional view on line 6—6 in Fig. 5.

In the drawing 10 indicates generally a window frame in which are arranged slidable upper and lower sashes 11 and 12. 13 indicates the vertical stiles of the upper sash 11, 14 the bottom rail of sash 11, and 15 the upper rail of lower sash 12.

On the top rail 15 of the lower sash is mounted, by means of screws 16 or the like, the foot 17 of a bracket 18 which includes a portion 19 that carries a block 20 secured thereto in any suitable manner, as by screws 21 or the like. A threaded aperture 24 is provided in the block 20 and this aperture is aligned with a similar aperture in the portion 19. Mounted in these apertures is a screw 22 bearing a finger gripping head 23, the screw being adapted to penetrate into a vertical guide slot 25 in the block 20. This slot 25 is open at the side (Fig. 5) and closed at the other and receives a vertical strip or bar 26 which has arms 27 and 28 that are attached to the stile 13 by screws 29 or the like.

When the screw 22 is fully retracted out of the guide slot 25 the sashes are freely movable. If the lower sash, for example, is partly opened, sufficient to provide ventilation, etc., but insufficient to permit the entrance of a person from the outside, the screw 22 is adjusted until it penetrates into slot 25 and bears against the strip 26 whereupon neither sash can be moved independently of the other and both are movable together so that if the upper sash is moved down by an unauthorized person the lower sash will be closed. The converse is of course obviously true, the upper sash being then incapable of movement, by an unauthorized person relative to the lower sash.

The lower end or mouth of the slot 25 is chamfered, as at 30, whereby if the sashes are moved until the strip 26 runs out of the slot the upper end 31 may be guided into the slot by the chamfered mouth 30.

The slot 25 being open at one side and closed at the other enables the strip 26 to be inserted thereinto while preventing the strip from being displaced laterally out of the slot when in use.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

Having thus described my invention, what

I claim as new and desire to protect by Letters Patent is:

A window latch comprising a member carried by the top rail of the lower sash, a block on said member provided with a vertical slot having a chamfered mouth at its lower end, a U-shaped member carried by a stile of the upper sash including arms attached to said stile and a portion interconnecting said arms guided in said slot, and a screw carried by said member and block having a portion penetrating into said slot for latching engagement with said interconnecting member portion.

In testimony whereof I affix my signature.

HENRY L. HAFF.