

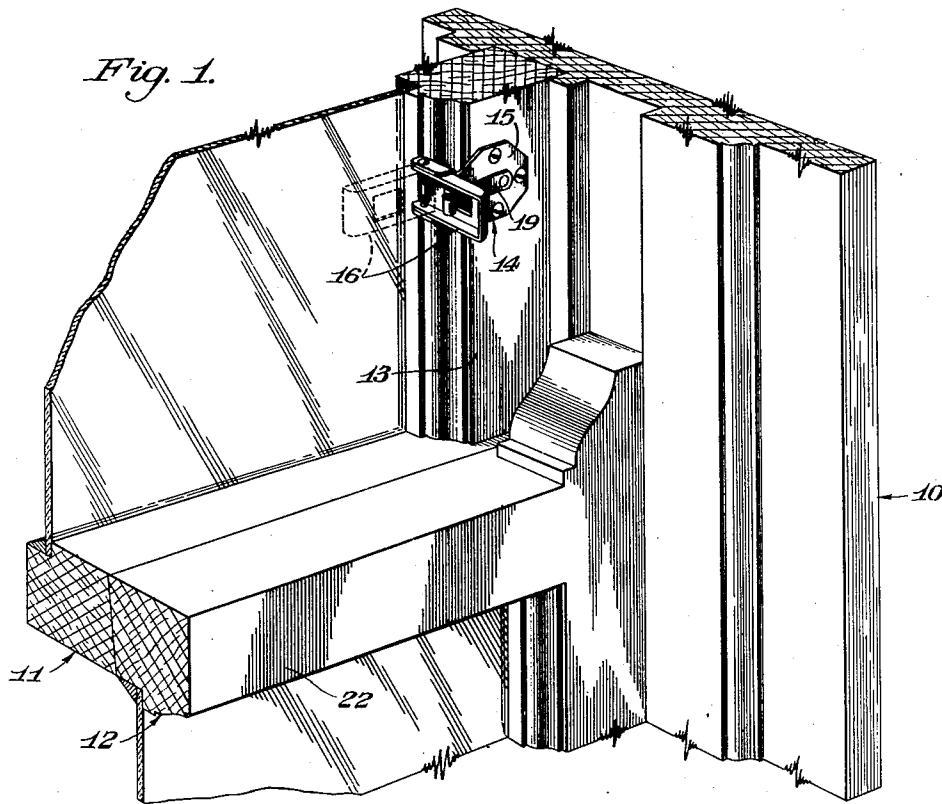
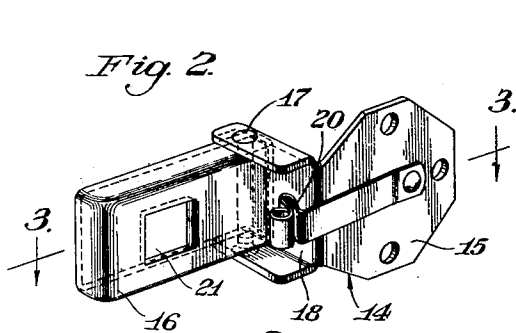
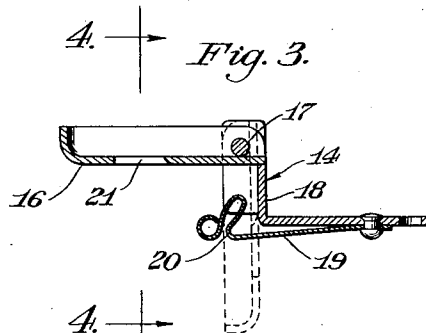
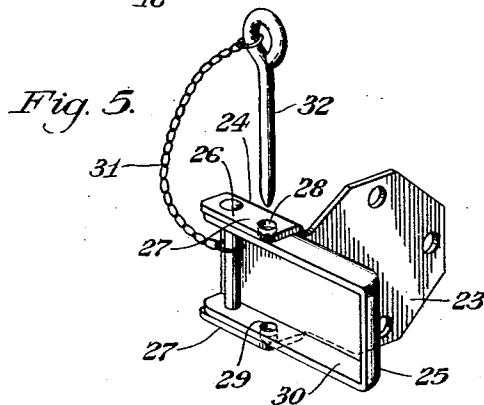
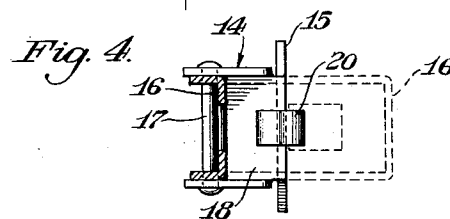
March 6, 1934.

N. KULEFSKY

1,950,251

WINDOW SASH STOP

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UNITED STATES PATENT OFFICE

1,950,251

WINDOW-SASH STOP

Nate Kulefsky, Chicago, Ill.

Application January 16, 1933, Serial No. 652,041

1 Claim. (Cl. 292—209)

This invention relates to certain novel improvements in window sash stops, 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 the object of this invention to provide an improved, simple, and inexpensive window sash stop for limiting movement of the upper and lower sashes relative to each other. The new stop is attached to the stile of the upper sash and includes an arm adapted to be so positioned that it will permit only a limited movement of the upper and lower sashes relative to each other. 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 a perspective view illustrating the preferred form of the new stop attached to an upper window sash;

Fig. 2 is a perspective view of the preferred form of the new stop detached from the sash;

Fig. 3 is a sectional view on line 3—3 in Fig. 2;

Fig. 4 is a sectional view on line 4—4 in Fig. 3; and

Fig. 5 is a perspective view of a modified form of the invention.

In the drawing a window structure is generally indicated at 10, and includes an upper sash 11, and lower sash 12. Attached to the vertical stile 13 of the upper sash is a preferred form of the new stop, shown in Figs. 1 to 4, inclusive, and generally indicated at 14.

The preferred form 14 of the new stop includes a bracket 15 for attachment to the stile 13 by means of screws or the like, and hingedly attached at 17 to an arm 18 of the bracket 15 is a stop element in the form of a plate 16.

Attached to the bracket 15 is a latching element in the form of a resilient flat spring 19. This latch element 19 has an angled end portion 20 which engages through an opening or slot 21 formed in the stop plate 16 to hold the stop plate 16 in effective position, as shown in full lines in Fig. 1 of the drawing.

When thus held in effective position by the latch arm 19 the stop plate 16 projects over the upper rail 22 of the lower sash. The stop plate 16 thus limits the amount of movement of the upper and lower sashes 11 and 12 relative to each other, since if the lower sash is moved upwardly the top rail 22 thereof will strike the stop plate 16, and if the upper sash is moved downwardly the stop plate 16 will strike the top rail 22 of the lower sash. Thus unauthorized opening of the upper or lower sash is prevented,

while allowing for sufficient movement of both sashes to permit ventilation of the room.

When it is desired to permit free movement of the upper and lower sashes 11 and 12 relative to each other the angled end portion 20 is manually disengaged from the slot 21 in the stop plate 16 whereupon the stop plate 16 may be swung into dotted line position of Fig. 1. In this position the stop plate 16 extends parallel to the glass pane of the upper sash and will not engage the top rail 22 of the lower sash when either sash is moved.

A modification of the invention is shown in Fig. 5 and includes a bracket 23 for attachment to the stile 13 of the upper sash. This bracket 23 has a right-angularly extending arm 24. This arm 24 has upper and lower flanges 27 to which the stop plate 25 is hingedly attached by a pintle 26. The stop plate 25 includes upper and lower sashes 30. Formed in these flanges is a pair of aligned apertures 28 and a corresponding pair of aligned apertures 29 is formed in the flanges 30 of the stop plate. Having one end attached to the pintle 26 is a flexible element in the form of a chain 31 which carries a latching pin 32.

To latch the stop plate 25 in effective position, the stop plate is swung into the position of Fig. 5, thereby registering the apertures 28 and 29, and the latch pin 32 is then inserted through the thus registered apertures 28 and 29.

Upon removing the latching pin 32 the stop plate 25 may be swung into an ineffective position corresponding to the position of the stop plate 16 in Fig. 1.

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 sash stop, comprising a bracket for attachment to the stile of an upper sash, an arm extending from the bracket, a stop plate hingedly attached to the arm and provided with a slot, and a resilient latch arm attached to the bracket having an angled end portion for overlying latching engagement with said stop plate through said slot between same and the latch arm.

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