J. N. BERRIGAN,

WINDOW LOCK.

APPLICATION FILED MAY 15, 1917.

1,247,622. Patented Nov. 27, 1917.

Fig. 1

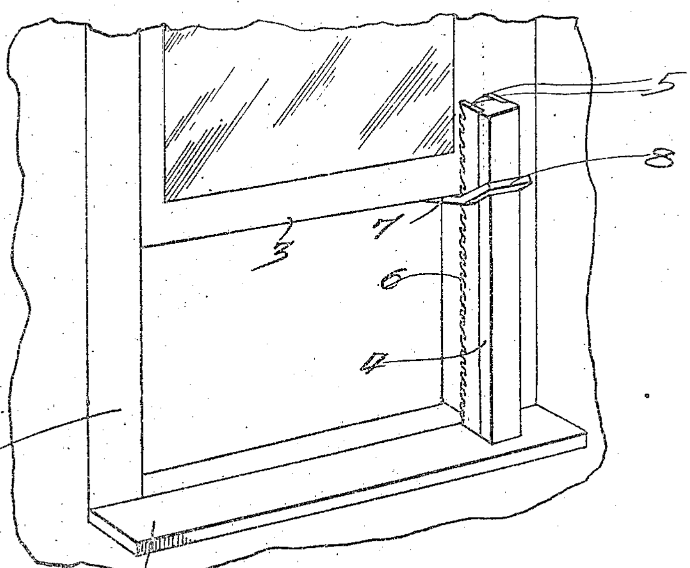


Fig. 3

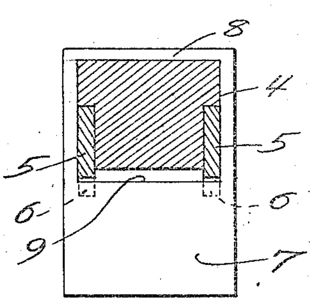


Fig. 2

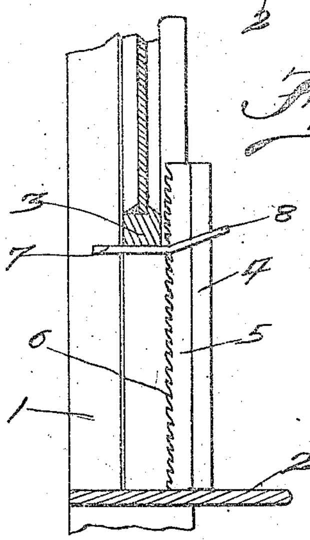
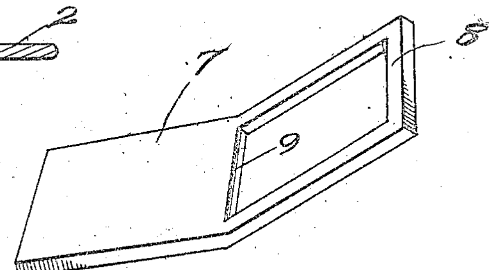


Fig. 4



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WINDOW-LOCK.

1,247,622. Specification of Letters Patent. Patented Nov. 27, 1917.

Application filed May 15, 1917. Serial No. 168,861.

To all whom it may concern:

Be it known that I, JOSEPH N. BERRIGAN, a subject of the King of Great Britain, residing at Dunedin, in the Province of Prince Edward Island, Dominion of Canada, have invented certain new and useful Improvements in Window-Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to window supports, and has particular reference to devices for locking window sashes in the various positions of adjustment.

The object of the invention is to provide a support or locking device for holding such window sashes in closed position, or in such positions of open adjustment as is desired, which do not have counterbalances or sash weight supports to hold them in open position. To this end I have provided a vertical support or secondary stile upon which is mounted a rack or racks and also a movable lock plate which coöperates with the racks to hold the window in properly supported relation, the lock plate being secured to the sash so as to be movable therewith.

With the above object in view and such others as may hereinafter appear as relating to the details of construction, my invention will now be fully set forth and described reference being had to the accompanying drawings.

Referring more particularly to the drawings:

Figure 1 is a perspective view showing the application of my invention,

Fig. 2 is a vertical section through the window casing showing the device in side elevation,

Fig. 3 is a section through the window support, and

Fig. 4 is a perspective view of the lock plate.

Referring more particularly to the drawings; 1 represents the window casing having the sill 2, and 3 represents the sash operating in the case. Rested upon the window sill, is the lower end of a vertical standard or stile 4 which is preferably a rectangle in cross section. The sides of the stile 4 along the edges adjacent the sash 3 are rabbeted to receive the sides of rack plates 5, said rack plates 5 being provided with the teeth 6, which project beyond the edges of the stile 4 in such relation that the notches between the teeth register across the sash of the stile.

Lock plate 7 which is best indicated in Fig. 4 consists of a solid body which is projected below the lower edge of the sash 3 and a yoke or frame 8 which surrounds the stile 4. The lock plate 7 is formed of resilient metal, and has the yoke 8 turned upwardly at an angle to its body portion. There is thereby formed at the juncture of the body and yoke a locking edge which engages the notches between the teeth 6 when the resilient yoke 8 is sprung downwardly so as to provide a play between the rear face of the stile and the end of the yoke, the edge 9 may be freed from the teeth 6 by moving the stile 4 or by reason of the usual loose motion which a sash is permitted to have in its casing, and the window may be raised or lowered in consequence. As soon as the pressure on the rear end of the yoke 8 is released, the latter springs back into its inclined position or is thrown back by the weight of the sash so that the stile entirely fills the opening in the yoke, and the edge 9 is drawn into the position between the then adjacent teeth 6, so that the window is again locked against movement.

From the foregoing description, it will be apparent that I have provided a very simple and practical device for locking window sashes in their various positions of adjustment, and that the device is applicable to practically any sash, whether the latter is already provided with counterweights or not, though the device is particularly adapted for use upon windows not so provided.

What I claim as my invention is:—

1. A sash lock, comprising in combination, a vertical rack device, and a lock plate, said lock plate including a resilient yoke, which surrounds the rack device at a normal inclination, and is freed therefrom when sprung toward a horizontal position with relation to the vertical rack device.

2. A sash lock, comprising in combination, a standard, a vertical series of rack teeth thereon, a lock plate including a resilient yoke, said yoke surrounding the standard at an inclination, said lock plate also having an edge in engagement with said series of teeth, said resilient yoke, when sprung toward the horizontal permitting the disengagement of the lock plate from the teeth.

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

JOSEPH N. BERRIGAN.

Witnesses:

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