R. B. MONK.

STORM SASH FASTENER.

APPLICATION FILED APR. 11, 1921.

1,412,191. Patented Apr. 11, 1922.

Fig. 2.

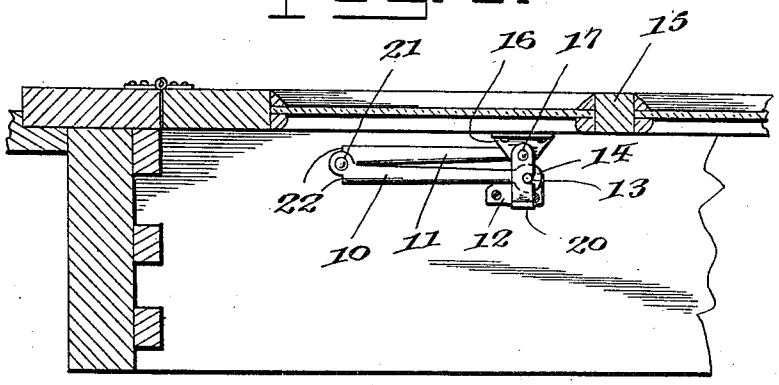


Fig. 3.

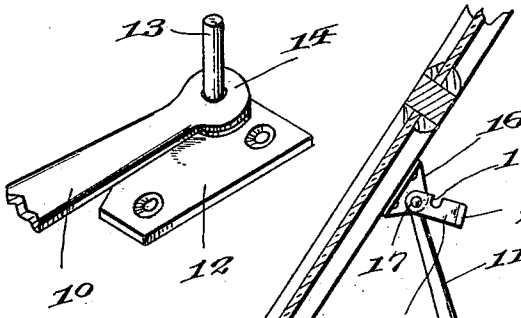


Fig. 4.

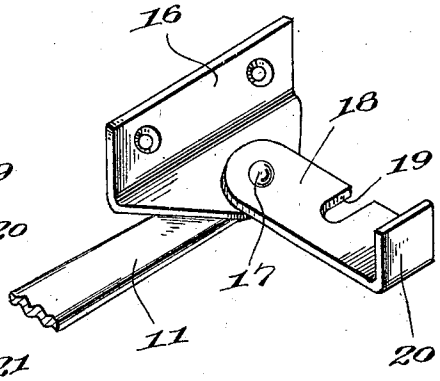


Fig. 1.

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UNITED STATES PATENT OFFICE.

RICHARD B. MONK, OF SHELDON, IOWA.

STORM-SASH FASTENER.

1,412,191. Specification of Letters Patent. Patented Apr. 11, 1922.

Application filed April 11, 1921. Serial No. 460,252.

To all whom it may concern:

Be it known that I, RICHARD B. MONK, a citizen of the United States, residing at Sheldon, in the county of O'Brien, State of Iowa, have invented certain new and useful Improvements in Storm-Sash Fasteners; 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.

The object of the invention is to provide a fastener and holder for use in connection with window sashes particularly of the outside or storm type, and more especially of the form mounted for swinging movement by means of hinges and combining in a single structure a means for holding the sash in an open position to resist the action of the wind or drafts of air tending to close or slam the same and means for locking the sash in its closed position against accidental or surreptitious opening from the outside; and with these objects in view, the invention consists of a construction and combination of parts of which a preferred embodiment is shown in the accompanying drawings wherein:

Figure 1 is a plan view of the device applied to a window sash, the sash being shown in the open position.

Figure 2 is a similar view showing the sash in the closed position and locked against opening movement.

Figure 3 is a detail perspective view of the frame attaching end of the device.

Figure 4 is a similar view of the sash attaching end thereof.

The device consists of a toggle lever comprising the pivotally connected arms 10 and 11 provided at their free ends with means for pivotally attaching the same perspectively to the window frame and the sash. The window frame attaching means in the construction illustrated consists of a plate 12 having an upright stud or pin 13 for receiving a terminal eye 14 of the toggle arm 10, said eye being removable from the pin or stud when it is desired to dismount the sash indicated at 15, so that when the storm sash is not required it may be stored without necessitating the removal of the pin or stud with its attaching plate from the sill of the window casing.

The means for pivotally connecting the arm 11 of the toggle to the sash consists of a plate 16, preferably angular in form, having the extremity of the arm 11 pivoted thereto at 17 and carrying a latch 18 which may be mounted on the same pivot as the arm of the toggle as shown and is provided with a notch 19 for engagement with the pin or stud 13, as shown in Figure 2, when the sash is in its closed position to serve as a locking means. The free end of the latch is preferably upturned to form an ear 20 constituting a finger-hold serving not only as a means whereby the latch may be actuated but as a handle for swinging the sash from its closed to its open position.

The arms of the toggle are connected at their adjacent extremities by a stop or rule hinge 21 with the ends of the arms shouldered as shown at 22 for contact when the toggle is extended to resist endwise strain and fold the arms in alignment to maintain the fixed open position of the sash.

In order to close the sash it will be obvious that it is only necessary to "break" the joint to clear the arms of the toggle so as to permit them to fold sufficiently to engage the latch with the pin or stud of the window casing attachment.

What is claimed is:

A sash fastening and holding device having a toggle of which the arms are connected at their adjacent ends by a stop hinge, a window casing attaching plate having a terminally free stud or pin upon which an eye at the free end of one of said arms is removably fitted, a second attaching plate to the extremity of which the other arm is pivotally connected, and a latch pivotally mounted upon the second-named attaching plate by the pivot which connects said arm thereto and having a notch for engaging said pin or stud of the first named attaching plate, the free end of said latch carrying a finger-hold to serve as a means of manipulating the sash in the opening and closing movements thereof.

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

RICHARD B. MONK.

Witnesses:
L. P. STRUYK,
T. L. BOONYGAN.