H. KELLEM.

WINDOW SASH FASTENER.

APPLICATION FILED DEC. 11, 1909.

959,145. **Patented May 24, 1910.**

Fig. 1.

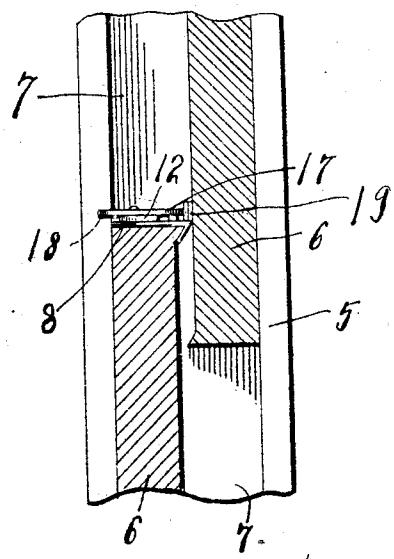


Fig. 3.

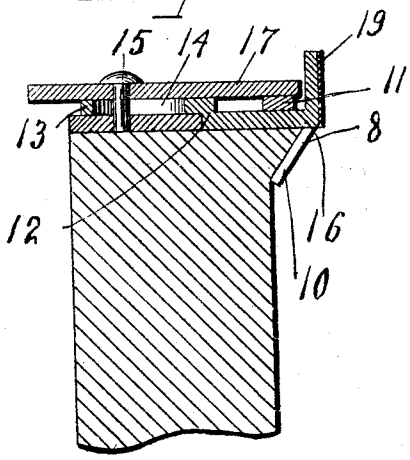


Fig. 2.

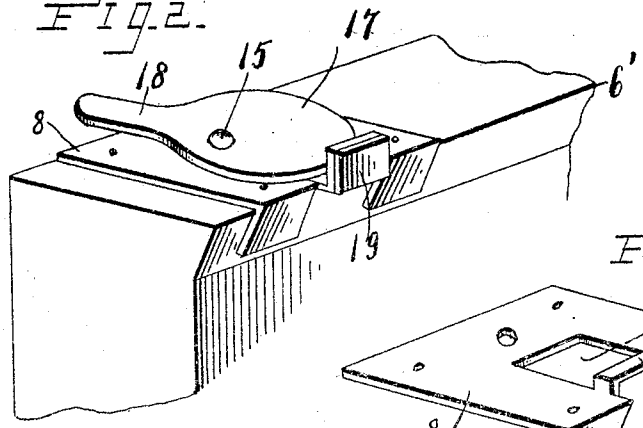


Fig. 4.

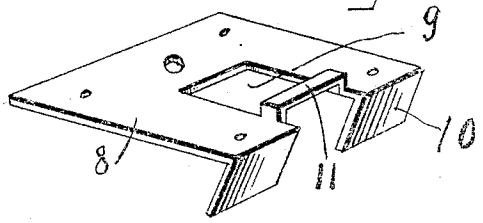
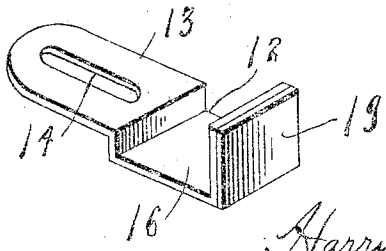


Fig. 5.



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UNITED STATES PATENT OFFICE.

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WINDOW-SASH FASTENER.

959,145. Specification of Letters Patent. Patented May 24, 1910.

Application filed December 11, 1909. Serial No. 532,648.

To all whom it may concern:

Be it known that I, HARRY KELLEM, a citizen of the United States, residing at Rineyville, in the county of Hardin and State of Kentucky, have invented certain new and useful Improvements in Window-Sash Fasteners, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain new and useful improvements in sash fasteners and has for its object to provide a very simple device which will securely hold the sashes in the frame against movement so that any desired amount of ventilation may be secured.

Another object is to provide a movable sash engaging member mounted upon the top rail of the lower sash at one side thereof, said member being actuated by an eccentric to move the same into binding engagement with the side rail of the upper sash, whereby the sashes may be locked against movement with relation to each other.

With these and other objects in view, the invention consists of the novel construction, combination and arrangement of parts, hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which:—

Figure 1 is a vertical section through the sashes positioned in the window frame, showing my improved fastener in operative position; Fig. 2 is a perspective view of the fastener secured upon the sash rail; Fig. 3 is an enlarged vertical section through the top rail of the sash and the fasteners; Fig. 4 is a detail perspective view of the attaching plate, and Fig. 5 is a similar view of the movable bearing member.

Referring to the drawings, 5 indicates the window-frame in which the upper and lower sashes 6 are vertically movable. The sashes have their vertical edges disposed in the guide grooves 7.

My improved fastener is mounted upon the top rail of the lower sash at one side of the same and comprises the attaching plate 8 which is formed with the central longitudinal recess 9. This plate has its inner end flanged as shown at 10, said flange being disposed inwardly at an angle and adapted to bear against the outwardly inclined edge 6′ of the sash. A bar 11 extends over the recess 9 and connects the separated portions of the plate. This bar is disposed above the plane of the plate for a purpose which will hereinafter appear. A bearing member 12 is formed with a longitudinally extending portion 13 which is adapted to be disposed upon the attaching plate 8 and is provided with a slot 14 through which a pivot pin 15 extends. The outer portion of this bearing member is disposed below the plane of the portion 13, as shown at 16, and is adapted to move in the recessed portion 9 of the plate 8. The bar 11 retains this bearing member in the recess at all times and prevents its vertical movement. A disk 17 is eccentrically pivoted upon the pin 15 and upon the longitudinally extending portion 13 of the bearing member. The bearing member, however, has free longitudinal sliding movement between this disk and the surface of the attaching plate. The disk 17 is also formed with a handle portion 18 by means of which the same may be conveniently manipulated. The periphery of this disk is adapted to contact with the inner surface of the outer vertical flange of the U-shaped portion 16 of the bearing member, and when the disk 17 is turned upon its pivot 15 the eccentric action thereof will force the bearing member outwardly and bind the same upon the vertical side rail of the upper sash.

In order to provide a more effectual binding action or frictional engagement of the bearing member with the rail sash, I preferably secure upon the outer face of the bearing flange by means of a suitable adhesive material a hard rubber covering 19, and it will be obvious that when this bearing member is forced into engagement with the sash rail, that the sashes will be forced apart and frictionally held in the grooves 7 of the frame by means of the engagement of this rubber plate 19 with the sash frame which will absolutely prevent any sliding movement of the sashes with relation to each other. In this manner the sashes may be raised and lowered to provide sufficient ventilation from the top and bottom of the window, and the eccentric disk 17 manipulated to hold the bearing member 12 in engagement with the rail of the upper sash. The sashes will be held in their relative positions against accidental release, or indeed against any movement whatever until the eccentric disk 17 is turned to release the bearing mem-

ber from contact with the sash. This device will also obviate the liability of intruders entering the apartment, as the proper ventilation may be obtained by positioning the sashes, and the sashes then securely locked against movement, the movement of the sashes by means of manual force being impossible until the eccentric locking disk is released.

From the foregoing it will be seen that I have provided a sash fastener of comparatively simple construction and one which is very effective and efficient in its operation. The sashes may be instantly locked in any desired position.

A sash fastener constructed as above set forth may be inexpensively produced and readily secured in operative position without requiring any material alteration in the sash. As no delicately constructed elements are employed it will be obvious that the device is also very durable and is not liable to become inoperative from long continued use.

While I have shown and described what I believe to be the preferred embodiment of the invention, it will be obvious that numerous minor modifications may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus described the invention what is claimed is:

A sash lock comprising an attaching plate adapted to be secured on the upper rail of the lower sash, said plate being provided with a flange on its outer end adapted to engage over the edge of the sash rail and having a longitudinal recess, a bearing member slidable on said attaching plate having a slotted longitudinally extending portion and a flange on its outer end, a pivot pin secured in the attaching plate extending through said slot, the outer end of said bearing member being disposed below the plane of the slotted portion and movable in the recess in said plate, a bar integrally formed with the plate extending over said bearing member, a disk eccentrically pivoted on said pivot pin, the periphery of said disk engaging with the flange of said bearing member, and a rubber facing plate secured to said flange adapted to be held in locking frictional engagement with the rail of the upper sash.

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

HARRY KELLEM.

Witnesses:
J. C. HORRELL,
HENRY MILLER.