June 14, 1938. J. A. RICCELLI 2,120,788

WINDOW SASH FASTENER

Filed Nov. 15, 1937

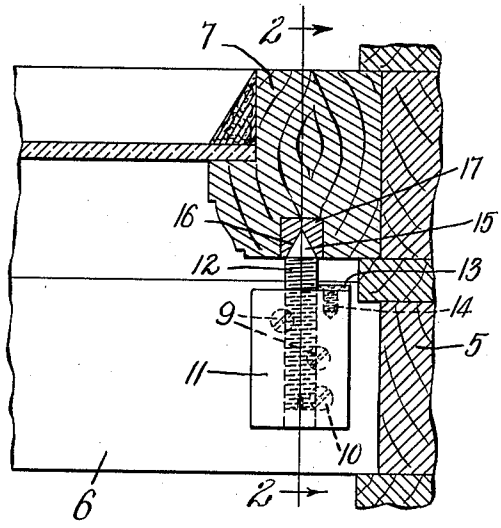


Fig. 1.

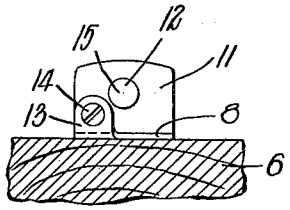


Fig. 3.

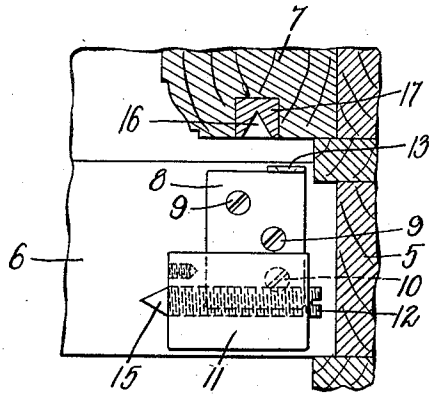


Fig. 4.

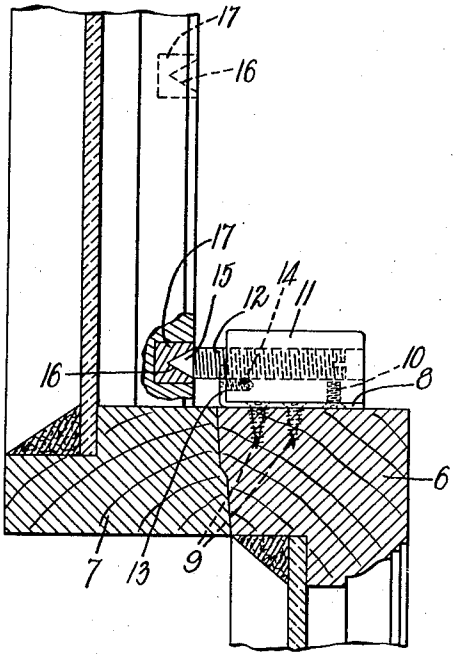


Fig. 2.

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WINDOW SASH FASTENER

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2 Claims. (Cl. 292—251)

This invention relates to a window sash fastener and has for its object to provide a fastener of the type mentioned having a structure embodied therein which may be secured to a window sash by screws which are concealed from view by the device itself.

Another object of the invention is to provide a window sash fastener of simple, rugged construction which may be attached to a window sash at a location thereon where it will be inconspicuous from the outside of the window and which has a headless fastening screw embodied therein provided with a slotted actuating end which is obscured from view within the device when said screw is located in a position to lock the window sashes one to another.

The invention consists in a window sash fastener as set forth in the following specification and particularly as pointed out in the claims.

Referring to the drawing:

Fig. 1 is a sectional plan view illustrating a fastening device embodying my invention applied to an upper and lower window sash.

Fig. 2 is a sectional elevation taken on the line 2—2 of Fig. 1.

Fig. 3 is a rear elevation of that portion of the fastening device which is attached to the lower window sash.

Fig. 4 is a sectional plan view illustrating the holder for the locking bolt turned out of locking position to expose the screws utilized for securing the fastener plate to the window sash.

Like numerals refer to like parts throughout the several views of the drawing.

In the drawing, 5 is a window casing, 6 is a lower window sash, and 7 is an upper window sash, all of well-known construction. A fastener plate 8 is rigidly fastened to the top edge of the lower window sash 6 at a location thereon adjacent to the casing 5 by a plurality of screws 9. Mounted upon the plate 8 and pivotally attached thereto by means of a screw 10 is a holder 11 for a screw-threaded locking bolt 12. Normally the side surfaces of the holder 11 align with the side edges of the fastener plate 8, and the screws 9 are entirely obscured by said holder and cannot be contacted by a screw driver or other tool while covered by the holder. The fastener plate 8 is provided with a flange 13 which projects upwardly therefrom and contacts with the rear end surface of the holder 11, and the latter is prevented from turning upon the plate 8 to expose the heads of the screws 9 by a screw 14 which projects through said flange and into said holder.

The locking bolt 12 is formed as a headless set screw and is provided with a tapered end portion 15 which is adapted to enter a tapered recess 16 provided in any one of a plurality of metal inserts 17 which are embedded in the adjacent face of the upper window sash 7. Preferably the locking bolt 12 is of such a length that when the pivoted end 15 thereof is interlocked with the inserts 17 the slotted end portion of said bolt is obscured within the holder 11 and not visible from the outer side of the window. The metal inserts 17 may be positioned as desired in the inner face of the upper window sash 7 opposite the locking bolt 12, thereby permitting said upper window sash to be lowered to predetermined elevations and then locked to the lower window sash.

The general operation and utility of the fastener hereinbefore described are as follows: Applied to the lower window sash 6 adjacent to the casing 5 and in front of the upper sash 7 the device as a whole is inconspicuous from the outside of the window. The fastening screws 9 are all obscured by the bolt holder 11 and can only be removed by first removing the screw 12 and then turning the bolt holder upon its pivotal member 10 through an angle of ninety degrees to expose said fastening screws. The screw 14 is so positioned that it is invisible from the inside of the window as well as the outside, and it can only be removed by first disconnecting the locking bolt 12 from the metal insert 17 embedded in the upper window sash and then lowering said upper sash below the level of the fastening device. When the window sashes are locked together, the slotted end of the locking bolt 12 is obscured within the holder 11 and is therefore invisible from the outside of the window. The construction of the device is such that an unauthorized person seeking access to the locked window from the outside is confronted with a difficult problem because no fastening screws are visible or accessible and the window must necessarily be broken before access can be gained and even then the window sashes cannot be either raised or lowered without first obtaining an instrument which is insertable within the hole occupied by the locking screw 12 in order that the latter may be rotated out of contact with its cooperating insert 17.

I claim:

1. A window sash fastener comprising, in combination, a plate, means to rigidly fasten said plate to a window sash, a holder pivotally attached to said plate and normally obscuring said fastening means for said plate, means to prevent

a rotative movement of said holder upon the plate, and a locking bolt mounted in the holder and adapted to engage another window sash and lock said sashes one to another.

2. A window sash fastener comprising, in combination, a plate having an upstanding flange embodied therein, means to rigidly fasten said plate to a window sash, a holder pivotally attached to said plate and normally obscuring said fastening means for said plate, means projecting through said flange and into said holder to prevent a rotative movement of the holder upon the plate, and a locking bolt mounted in the holder and adapted to engage another window sash and lock said sashes one to another.

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