

Oct. 23, 1923.

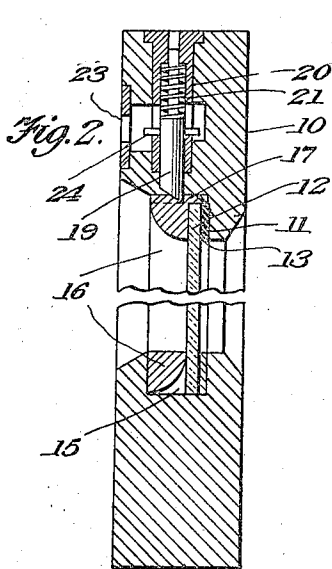
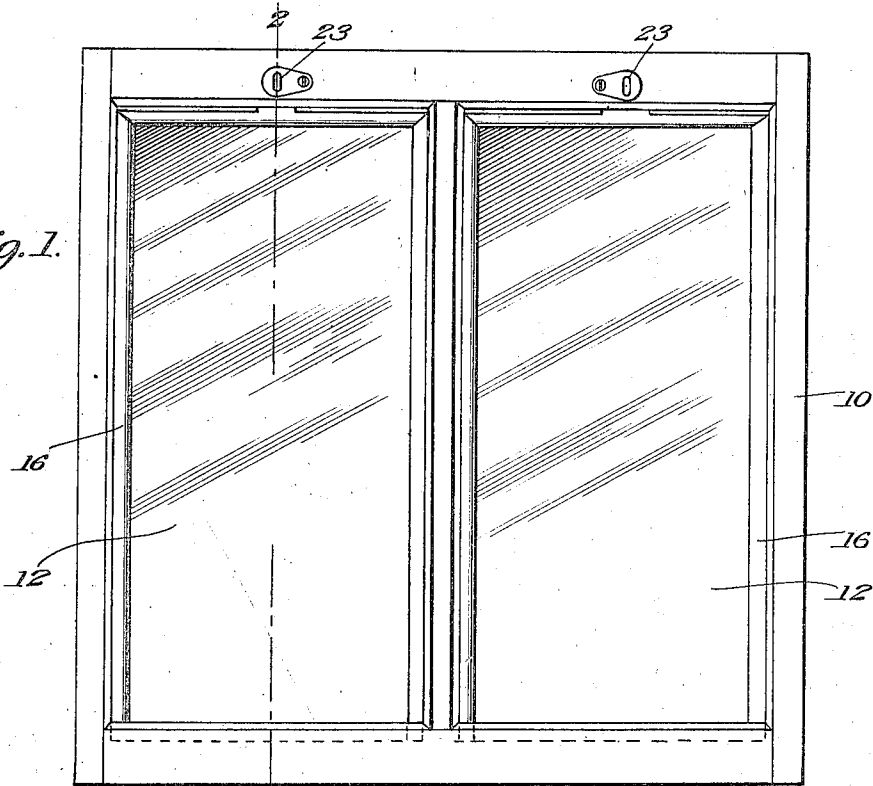
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W. E. HOLT

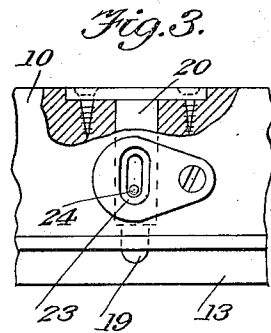
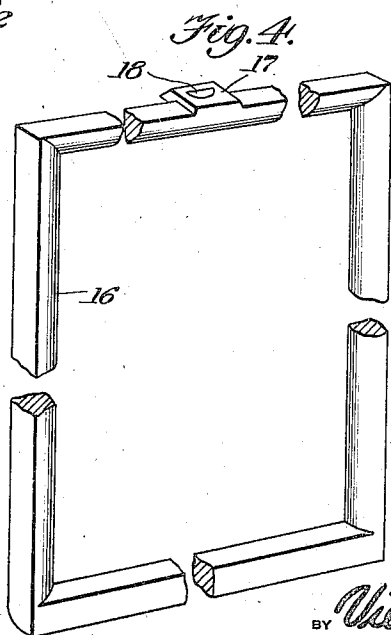
WINDOW SASH

Filed April 8, 1922

Fig. 1.



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WITNESS.



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UNITED STATES PATENT OFFICE.

WALTER E. HOLT, OF LORIS, SOUTH CAROLINA.

WINDOW SASH.

Application filed April 8, 1922. Serial No. 550,722.

To all whom it may concern:

Be it known that I, WALTER E. HOLT, a citizen of the United States, residing at Loris, in the county of Horry and State of South Carolina, have invented new and useful Improvements in Window Sashes, of which the following is a specification.

This invention has for its object the provision of means for retaining glass panels in window sashes or in fact any suitable frame-like structure, the construction of the invention being such that anyone though unskilled in the art, can quickly and easily associate the glass panel with its frame or separate said parts as the occasion may require.

More specifically stated, the invention makes use of a retaining frame, which as a unit is adapted to bear against the glass panel, the frame being designed to accommodate a spring pressed locking bolt for holding the frame associated with the sash or the like, said bolt being key actuated, so that after the retaining frame is locked in position, it cannot casually or otherwise be separated from the sash without the use of the key.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawing, the invention residing in the construction, combination, and arrangement of parts as claimed.

In the drawing forming part of this application, like numerals of reference indicate similar parts in the several views, and therein:—

Figure 1 is a view in elevation showing the manner in which the glass panel is retained in the sash.

Figure 2 is a sectional view taken on line 2—2 of Figure 1.

Figure 3 is an enlarged fragmentary view, showing the relation of the key-hole slot and the locking bolt.

Figure 4 is a view of the panel retaining frame.

Referring to the drawing in detail, 10 indicates a window sash, which is of usual construction, including the shoulder 11 against which the glass panel 12 bears. A gasket 13 is interposed between the shoulder 11 and the panel 12 to provide a fluid-tight joint or connection between these parts. The lower part of the sash is grooved as at 15 to receive the lower part of the panel retaining

frame of the character illustrated in Figure 4, while the upper end of the frame is secured to the sash in a manner to be presently described, it being understood that the groove 15 assists in holding the frame properly associated with the sash 10. The panel retaining frame is indicated at 16, and is in one piece, and of a size and shape to accommodate itself to the sash 10.

It is to be understood that the frame 16 may vary in size and configuration, to accommodate itself to any and all kinds of sashes with which it is susceptible of use. The frame 16 is equipped with a projection or lug 17 which has a recess 18 to receive the locking bolt 19.

Embedded in one part of the sash 10 is a sleeve-like member 20 which slidably receives the locking bolt 19, the latter being surrounded by a spring 21 which functions to normally project the locking bolt into the recess 18 of the projection or lug 17. When in this position, the locking bolt is utilized to hold the panel retaining frame fixed to the upper part of the sash, while the lower part of the frame is retained within the groove 15. The sash is provided with a key-hole slot 23 to accommodate a key (not shown) of proper configuration to actuate or release the bolt 19, when it is desired to separate the frame from the sash. The bolt 19 is provided with a pin 24 which projects from one side of the bolt to be engaged by the key above referred to, so that when the key is moved in one direction, the locking bolt is released or separated from the frame as will be readily understood. Manifestly, I have devised a means which is very simple in construction for effectively locking a glass panel within a sash frame without the use of putty or the like, the construction being such that the panel can be quickly and easily associated with the sash or removed therefrom when desired.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What I claim is:—

The combination of a sash, and means for retaining a glass panel in the sash, said sash having a transverse opening in the top thereof

and a vertical bore intersecting said opening, said means comprising a sleeve like member arranged in said bore, a spring pressed locking bolt operating in said sleeve, said sleeve having opposed slots, a pin projecting from said bolt and through said slots and adapted to receive a key for operating said bolt, a panel retaining frame positioned in said sash, a lug projecting from said frame and having a recess disposed immediately beneath said bore, and adapted to receive said bolt, a plate secured to said sash covering the opening therein and having a key hole slot receiving said key.

In testimony whereof I affix my signature.
WALTER E. HOLT.