No. 881,354. PATENTED MAR. 10, 1908.

G. W. STEWART.

SASH LOCK.

APPLICATION FILED SEPT. 5, 1907.

Fig. 1

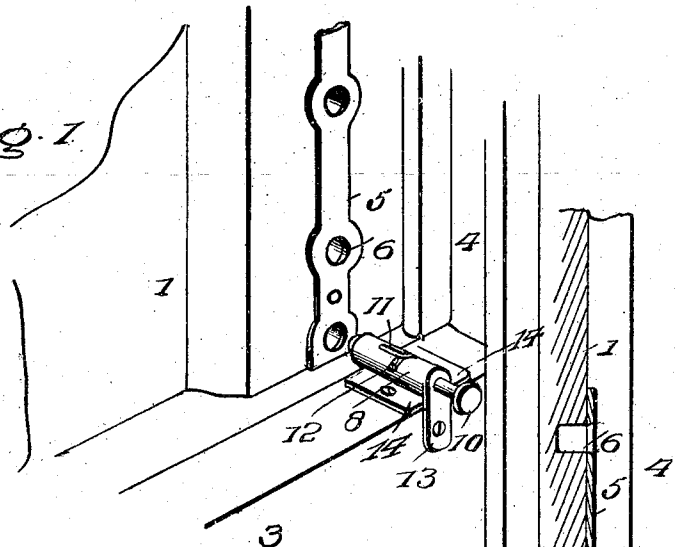


Fig. 4

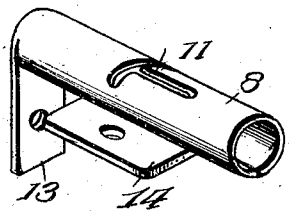


Fig. 2

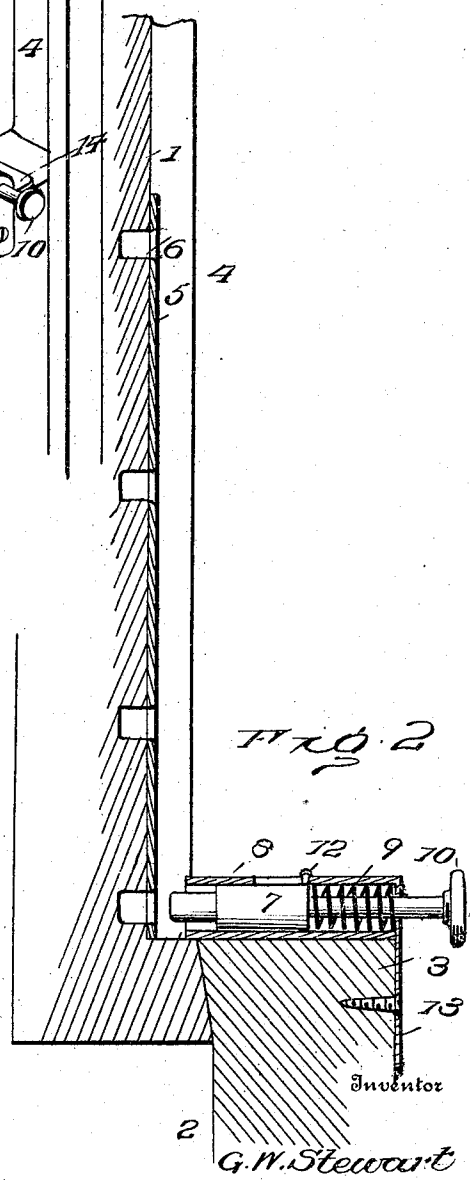
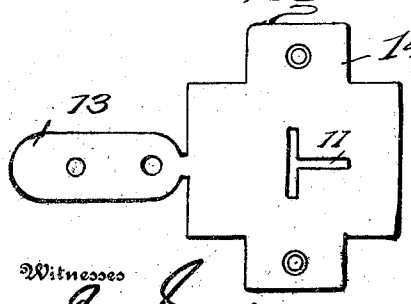


Fig. 3



Witnesses

Inventor

G. W. Stewart

By Attorneys

UNITED STATES PATENT OFFICE.

GEORGE W. STEWART, OF FORT WAYNE, INDIANA.

SASH-LOCK.

No. 881,354. Specification of Letters Patent. Patented March 10, 1908.

Application filed September 5, 1907. Serial No. 391,480.

To all whom it may concern:

Be it known that I, GEORGE W. STEWART, citizen of the United States, residing at Fort Wayne, in the county of Allen and State of Indiana, have invented certain new and useful Improvements in Sash-Locks, of which the following is a specification.

The present invention appertains to a novel lock for securing window sashes when closed, or when opened to any desired point for ventilation, substantially as hereinafter claimed and as shown in the accompanying drawings, in which:

Figure 1 is a detailed perspective view of a portion of a window frame a portion of upper and lower sashes illustrating the application of the invention. Fig. 2 is a sectional view of a sash lock and holder and portions of the sashes to which the same are secured. Fig. 3 is a detailed view of a blank from which the casing or locking bolt barrel is formed. Fig. 4 is a detailed perspective view of the locking bolt, barrel or casing on a larger scale.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The numeral 1 indicates a side stile of the upper sash, 2 a side stile of the lower sash, 3 the meeting rail of the lower sash, and 4 a window jamb, all of said parts being of usual construction and arrangement to illustrate and demonstrate the application of the invention.

A plate or bar 5 is secured to the stile 1 and is provided in its length with a series of openings 6 for coöperation with a lock bolt applied to the lower sash. The plate or bar 5 welded into the stile 1 or applied to the surface thereof. The openings 6 register with corresponding openings formed in the stile 1 so as to provide a horizontal space for a firm setting of the lock bolt and insure firm and positive connection between the complementary parts of the lock or fastener.

The lock bolt 7 is spring actuated and slidably fitted within the barrel or casing 8 attached to the stile 2 of the lower sash. An end portion of the lock bolt is reduced and receives a spring 9 which is confined between a shoulder formed at the base of the reduced portion and the outer end of the barrel or casing. The projecting end of the lock bolt is provided with a button 10. A slot is formed in a side of the barrel or casing and receives a pin 12 projecting from a side of the lock bolt, said pin directing the lock bolt and limiting the same in its longitudinal movements and, when entering either of the cross slots leading from the longitudinal member of the T slot, serving to hold the lock bolt out of engagement with the plate or bar 5 so that either sash may be moved freely in the frame or casement. The barrel or casing 8 is formed with lateral ears 12 which are apertured to receive fastenings by means of which the casing is secured to the stile 2, and said barrel is provided at its outer end with a wing 13 which closes the outer end of the barrel and overlaps a side of the stile 2 and is apertured to receive a fastening. The casing or barrel as indicated most clearly in Fig. 3 is formed of a sheet metal blank having ears 14 and wing 13 forming an integral part thereof, said blank being rolled or curved between its longitudinal edges to form the barrel and having the ears 14 outwardly bent and the wing 13 downwardly bent so as to close the outer end of the barrel. The inner portion of the wing 13 adjacent to the top of the blank is formed by the opening through which the outer end of the reduced portion of the lock bolt passes.

When the invention is applied to the sashes of the window the strip or plate 5 is secured to the side stile of the upper sash and the casing containing the lock bolt is fitted to the upper corner portion of the lower sash adjacent to the stile of the upper sash to which the strip 5 is fitted. When the lock bolt 7 is drawn into the casing and the pin 12 entered into one branch or the other of the T slot 11 said lock bolt is held clear of the plate or bar 5 and the sashes are free to move up or down. When the lock bolt is shot into any one of the series of openings 6 the two sashes are made fast and cannot be relatively moved. When the sashes are closed and the lock bolt is shot into the lowermost opening 6 of the plate 5 they are made secure and cannot be opened from the outside. Should it be required to open the sashes to a greater or less distance to secure ventilation they are relatively fixed by shooting the lock bolt into selected opening 6 thereby preventing further relative movement of the sashes from the outside and preventing any one gaining access to the interior of the dwelling through the window.

From the foregoing it will be understood that the invention subserves a dual office of securing sashes when closed or with holding

same opened to an adjusted position thereby obviating the necessity for providing a separate and independent sash holding and sash fastening means.

Having thus described the invention, what is claimed as new is:

In a locking device of the character specified the same comprising a casing formed of a sheet metal blank having a T-slot ears at opposite sides and a wing at one end, said blank being rolled upon itself and having its ears outwardly bent and the said wing bent at a right angle to the length of the casing to close the outer end thereof and in conjunction with the aforesaid ears to form attaching means for the device, and a spring actuated lock bolt slidably mounted in said casing and having an end portion passed through an opening formed in the closed end thereof and provided with a pin arranged to operate in the said T slot.

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

GEORGE W. STEWART. [L. S.]

Witnesses:
LILLIAN C. BUSH,
ROSELLE M. BRAUN.