

No. 859,499.

PATENTED JULY 9, 1907.

J. HUNT.
SASH FASTENING DEVICE.
APPLICATION FILED APR. 2, 1906.

Fig. 1.

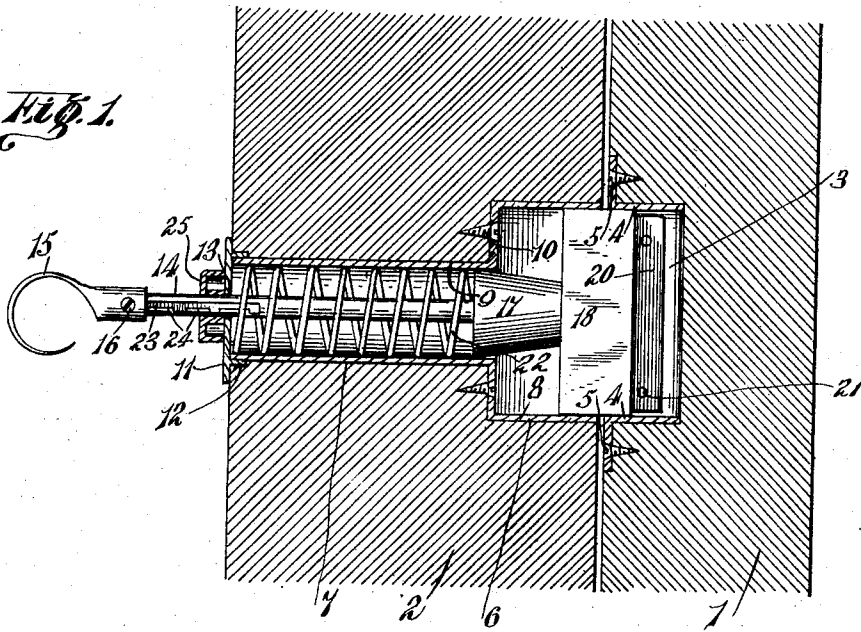


Fig. 2.

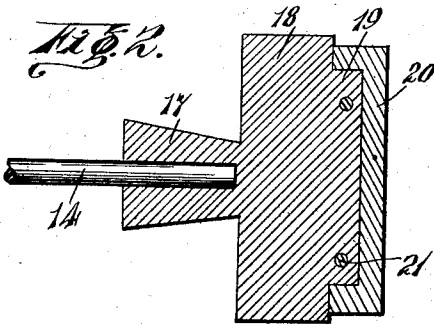


Fig. 3.

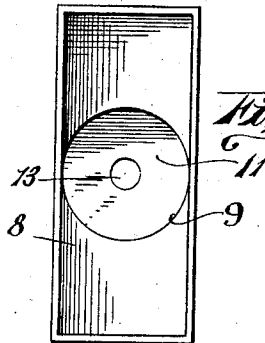


Fig. 4.

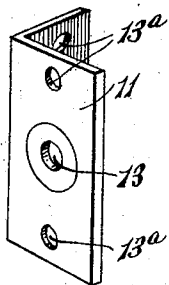
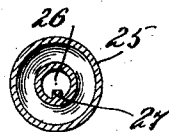


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH HUNT, OF MIAMI, MANITOBA, CANADA.

SASH-FASTENING DEVICE.

No. 859,499.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed April 2, 1906. Serial No. 309,259.

To all whom it may concern:

Be it known that I, JOSEPH HUNT, a subject of the King of Great Britain, residing at Miami, county of Dufferin, in the Province of Manitoba, Canada, have invented certain new and useful Improvements in Sash-Fastening Devices; and I do hereby declare that the following is 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.

My invention relates to sash fastening devices; the object of my invention is to provide a fastening adapted to positively lock a sash in closed position, and also adapted to hold the sash in any position between its open and closed position; and, my invention consists of the construction, combination and arrangement of parts as herein illustrated, described and claimed.

In the accompanying drawings, forming part of this application, I have illustrated one form of embodiment of my invention, in which drawings similar reference characters designate corresponding parts, and in which:

Figure 1 is a vertical section through a portion of the device of my invention applied to a window, the sash and window casing being shown in section; Fig. 2 is a vertical section through the plunger and its shank; Fig. 3 is a front elevation of a casing, looking from the right-hand side of Fig. 1; Fig. 4 is a perspective view of a plate forming part of my invention; and Fig. 5 is a transverse section through a locking clamp.

Referring to the drawings, 1 designates a window casing, and 2 a sash slidable with relation thereto.

The casing 1 is provided with a recess 3, having a metallic lining 4 secured in position as by means of screws 5. The window sash is provided with a recess 6, adapted to register with the recess 3 when the sash is in closed position. Merging into the recess 6 and extending through the sash 2, is an opening 7. Disposed in the recess 6 is a metallic casing 8, provided with a sleeve 9 extending through the opening 7, and secured in position as by the screws 10.

Disposed on the inner face of the sash 2, is a plate 11, provided with a flange 12 adapted to engage the wall of the sleeve 9, by means of which it may be maintained in position. The plate 11 is provided with an opening 13, registering with the bore of the sleeve 9. The plate is further provided with openings 13^a, adapted to receive screws or other fastening means.

Disposed within the sleeve 9, and projecting through the opening 13, is a rod 14, on the outer end of which is disposed a hook 15, held in position by means of a screw 16. Secured to the opposite end of the rod 14 is a shank 17 of a plunger head 18, the diameter of the shank 17 being approximately the same as that of the bore of the sleeve 9, so that the shank 17 acts as a guide when the plunger head 18 is retracted by means of the hook 15.

The plunger head 18 is provided with a reduced portion 19, on which is disposed a resilient body 20, which is held in place as by means of the pins 21. Disposed around the rod 14 is a helical spring 22, one end of which bears against the shank 17, and the opposite end of which thrusts against the plate 11, which spring is adapted to normally maintain the plunger head 18 in its projected position, as shown in Fig. 1.

The rod 14 is provided with a longitudinal recess 23, into which project the lugs 24. Disposed around the slotted portion of the rod 14, is a collar 25, provided with a bore 26 adapted to receive the rod and provided with a lug 27 adapted to engage the projecting lugs 24 and to lock the rod 14 against projection. The plate 11 is adapted to serve as a bearing for the collar 25.

When in the position shown in Fig. 1, the sash 2 is locked against upward movement. By retracting the rod 14, the plunger head 18 is withdrawn from the recess 3, and when the hook 15 is released after the sash has been lowered, the resilient body 20 will bear against the inner face of the casing 1, and will maintain the sash in any desired position with relation to the casing. Owing to the peculiar construction of the plunger head, the resilient material is entirely protected from wear when the sash is locked, as shown in Fig. 1. In this position, the plunger bears directly against the upper part of the metallic lining 4 of the recess 3 in the window casing. The resilient material being on the reduced portion of the plunger is entirely out of contact from the metallic lining. There being three of the projecting lugs 24, it should be evident that the plunger may be locked in the position shown in Fig. 1, or in a retracted position, so that it bears against the casing 1, or in a fully retracted position where it will not bear against the casing.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

In a device of the character described, the combination comprising a window casing having a recess therein, a metallic lining for the recess, a sash movable with relation to the casing and provided with a recess and having an opening therethrough merging into the recess, a casing disposed in the recess in the sash and provided with a sleeve projecting through said opening, a plate disposed over one end of the recess and provided with an opening, a rod disposed through said opening and extending into said sleeve, a plunger secured on the rod and provided with a reduced portion, a body of resilient material on the reduced end, pins adapted to maintain the resilient body in position, and means for locking the rod in a plurality of positions.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

JOSEPH HUNT.

Witnesses:

GEORGE COMPTON,
JOHN A. HUNT.