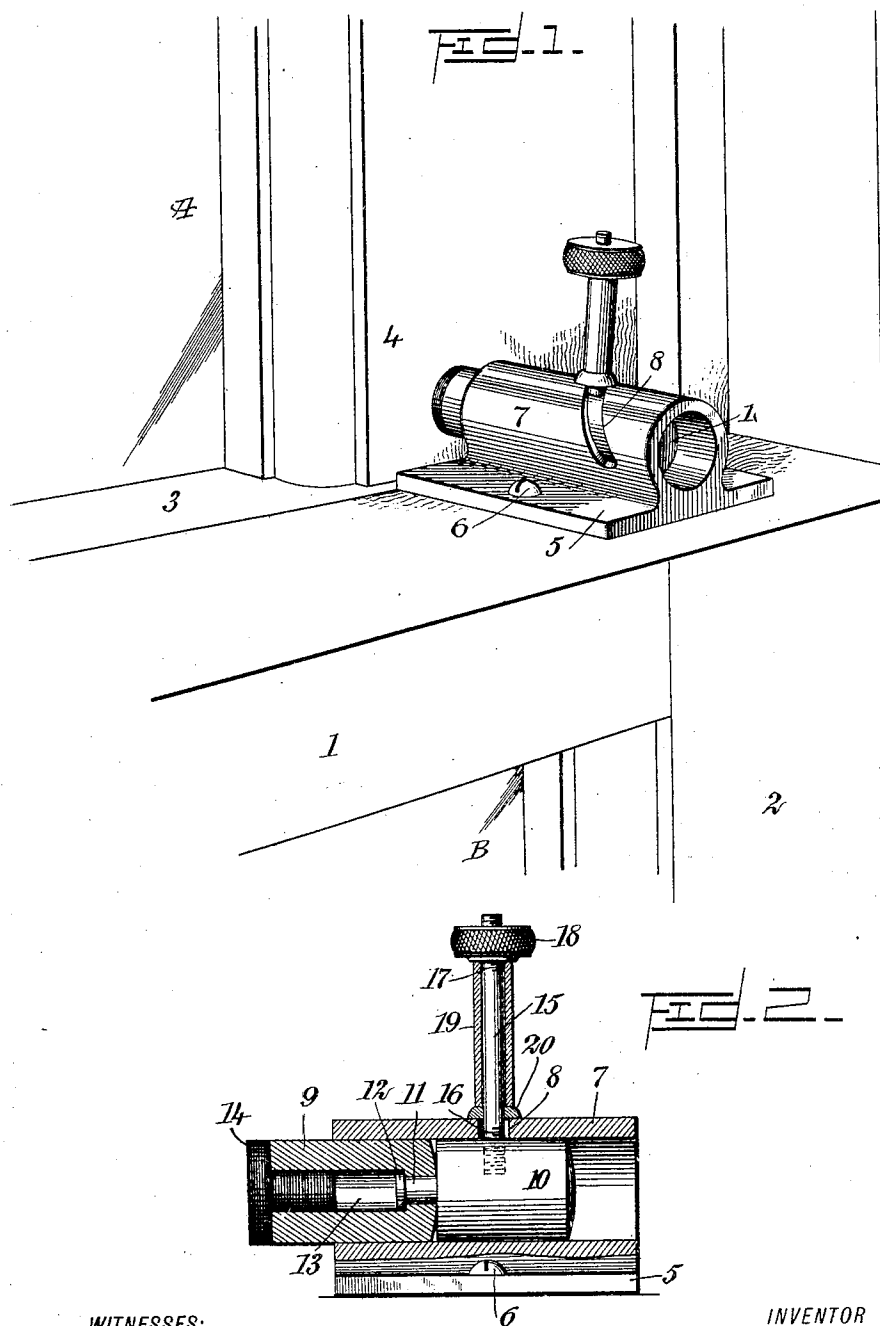


No. 814,439.

PATENTED MAR. 6, 1906.

R. G. FRASER.
WINDOW FASTENER.
APPLICATION FILED APR. 27, 1905.



WITNESSES:

Le. Gump and H. and
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UNITED STATES PATENT OFFICE.

ROBERT GILLESPIE FRASER, OF PHILADELPHIA, PENNSYLVANIA.

WINDOW-FASTENER.

No. 814,439.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed April 27, 1905. Serial No. 257,620.

To all whom it may concern:

Be it known that I, ROBERT GILLESPIE FRASER, a subject of the King of Great Britain, and a resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Window-Fastener, of which the following is a full, clear, and exact description.

My invention relates to window-fasteners, my more particular object being to produce a simple, efficient, and reliable fastener capable of locking the upper and lower sashes in any desired relative position and offering certain constructional advantages hereinafter described, and pointed out in the appended claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view showing my invention as applied to a window, and Fig. 2 is a vertical longitudinal cross-section through the barrel of the fastener and the parts appertaining thereto.

The upper sash is indicated by A and the lower sash by B. The top rail of the lower sash is shown at 1 and a side rail at 2. The bottom rail of the upper sash is shown at 3 and a side rail thereof at 4. A metallic base-plate 5 is secured, by means of screws 6, upon the upper side of the top rail 1 and is provided with a barrel 7, integral with the base-plate. The barrel 7 has a spiral slot 8, constituting a cam-surface, and mounted movably within the barrel is a plunger 9 and a revoluble head 10, loosely connected with the plunger 9 by means of a swivel-pin 11, having a head 12. This pin is mounted rigidly upon the revoluble head 10, the head 12 extending into a hole 13 in the plunger 9. By this means the plunger does not necessarily turn with the revoluble head. The plunger 9 is provided with a rubber tip 14, which serves as a cushion and is free to bind against the adjacent side rail 4 of the upper sash or against any other surface toward which the plunger moves in the general direction of its axis. A metallic stem 15 is provided with

a thread 16 and is thereby screwed firmly into the revoluble head 10. The stem 15 is further provided with a thread 17, the latter being engaged by a milled thumb-nut 18, threaded internally for the purpose. A metallic sleeve 19 loosely encircles the stem 15. A clamping-collar 20 also loosely encircles the stem 15 and is free to bind upon the barrel 7 when pressure is applied upon the sleeve 19 by means of the milled thumb-nut. The stem 15 passes through the spiral slot 8, so that when the stem is turned angularly upon a central line coincident with the axis of the plunger 9 the stem by riding in the spiral slot 8 in the same manner as a cam causes the revoluble head 10 not only to make part of a revolution, but also to be driven laterally in the general direction of its axis, and thus forcing the plunger 9 against the adjacent side rail. This being done and the milled thumb-nut 18 being turned so as to force the clamping-collar 20 against the barrel fastens the sashes temporarily together and prevents rattling of the windows. Any movement between the upper and lower sashes is also prevented until the milled thumb-nut 18 is loosened and the stem 15 turned angularly, as above described. Preferably the slot 8 is of such a length that the stem 15 in traveling from one end of the slot to the other gives the revoluble head 10 a degree of movement represented by a quarter-turn. By this means the stem 15 will stand erect only at one end of the slot and will be held in horizontal position by its own weight when at the other end of the slot.

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

The combination of a barrel provided with means whereby it may be mounted upon a window-sash or the like, said barrel being provided with a spiral slot, a revoluble head mounted within said barrel, a stem passing radially through said slot and engaging said revoluble head, a sleeve encircling said stem, a nut threaded upon said stem and movable relatively to said sleeve for the purpose of clamping said stem at different angles relatively to said barrel, a plunger mounted with-

in said barrel and loosely connected with
said revoluble head, said plunger being pro-
vided with a central aperture, and a cushion
of resilient material mounted upon said plun-
5 ger and provided with a portion extending
into said central aperture thereof.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

ROBERT GILLESPIE FRASER.

Witnesses:

GEO. W. DARLING,
WM. HAMBRECHT.