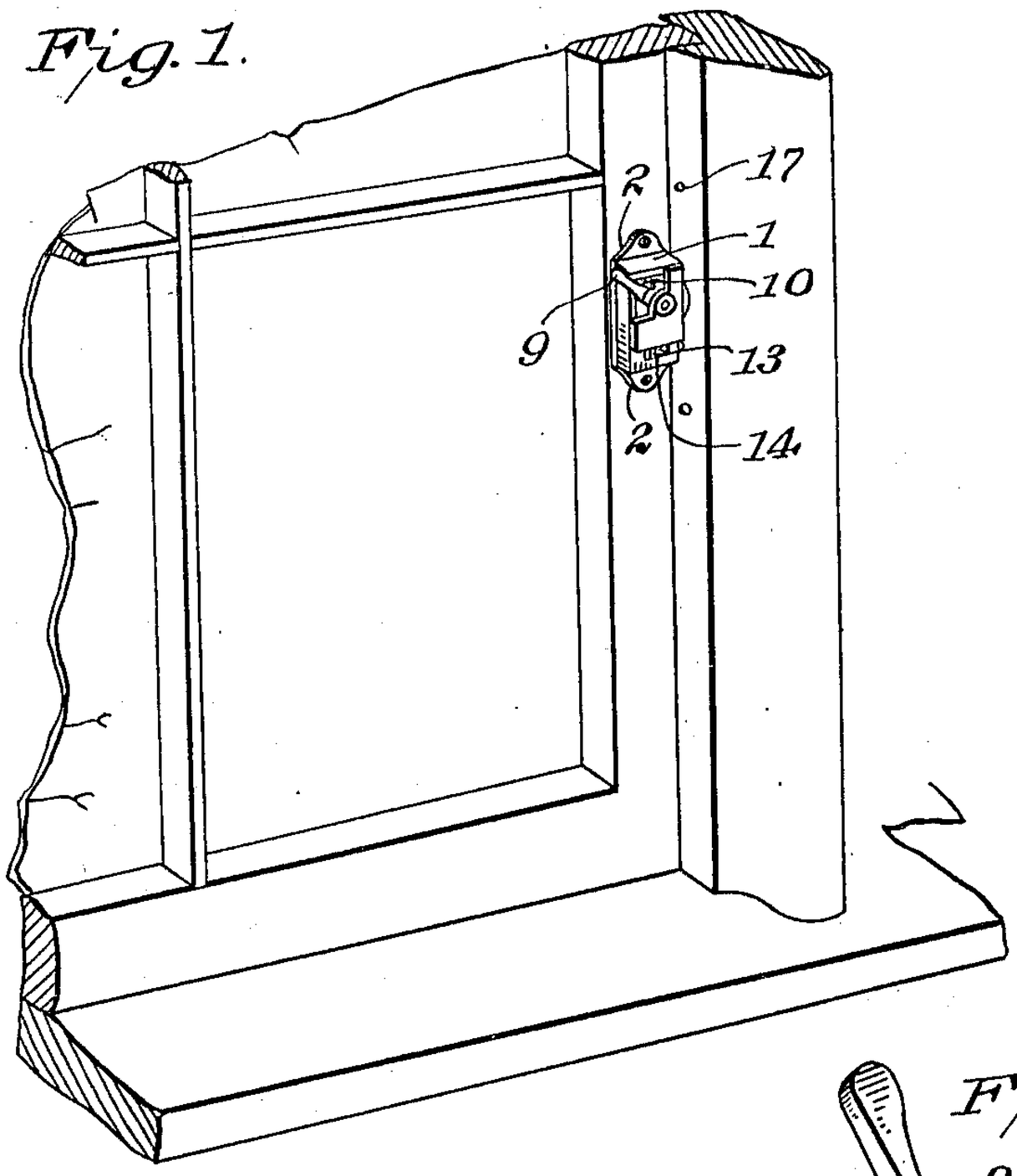
G. HAUPT.

SASH HOLDER AND FASTENER.

APPLICATION FILED APR. 16, 1909.

953,086. Patented Mar. 29, 1910.

Fig. 1.



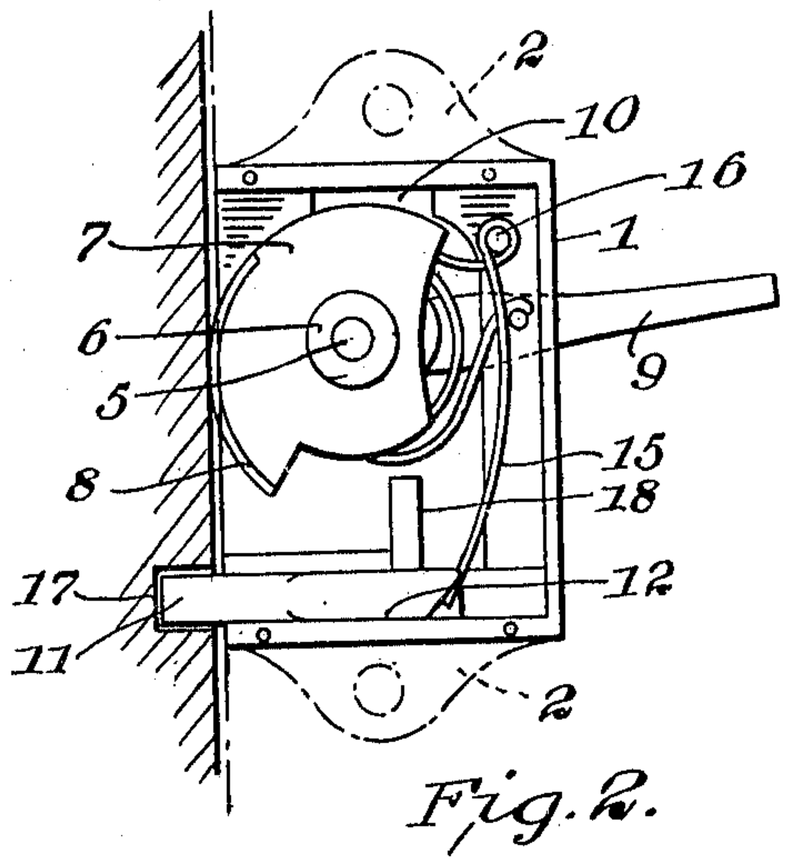


Fig. 2.

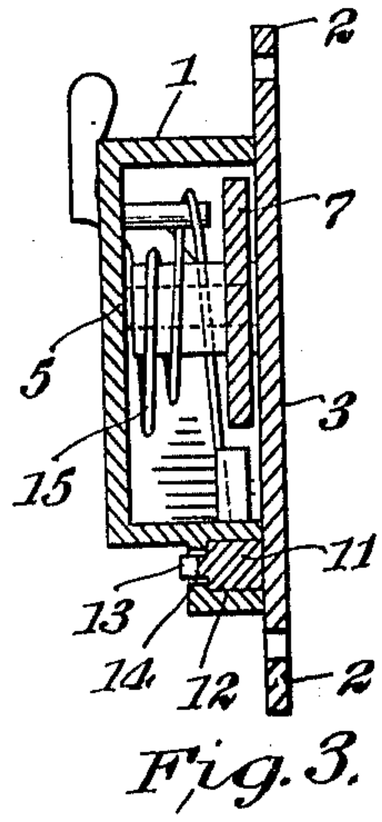
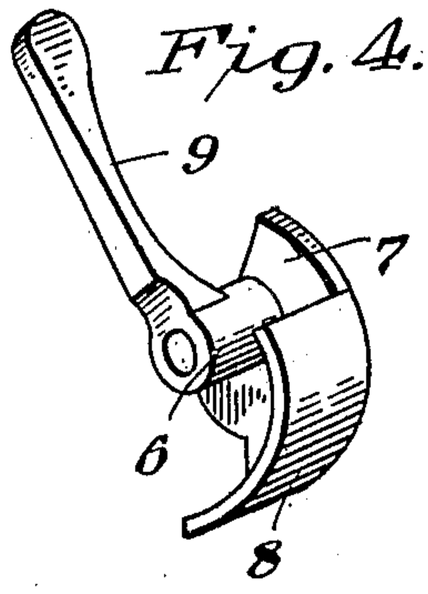


Fig. 3.

Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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SASH HOLDER AND FASTENER.

953,086. Specification of Letters Patent. Patented Mar. 29, 1910.

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To all whom it may concern:

Be it known that I, GEORGE HAUPT, citizen of the United States, residing at Melrose, in the county of Stearns and State of Minnesota, have invented certain new and useful Improvements in Sash Holders and Fasteners, of which the following is a specification.

This invention has for its object a simple, durable, and effective construction of sash fastener arranged to hold a window sash securely at any desired position so as to be positively locked against movement from the outside when either in a fully lowered or in an intermediate position.

The invention consists essentially in a cam member carried by the sash and arranged to bind against the jamb of the window casing, and a locking bolt also carried by the sash and operating in correlation to the cam member, the latter being provided with means for engaging the locking bolt so as to effect the retraction thereof simultaneously with the movement of the cam member to released position. And the invention also consists in certain constructions, arrangements, and combinations of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings in which:

Figure 1 is a perspective view of a window holder and lock constructed in accordance with my invention; Fig. 2 is a rear elevation of the device with the back or base plate removed; Fig. 3 is a transverse sectional view; and Fig. 4 is a detail perspective view of the cam member.

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

The operating parts of my improved sash fastener may be embodied in a casing 1 of any desired construction or design, secured to one of the stiles of the window sash. Preferably the casing 1 is formed with apertured ears 2 at the upper and lower ends of its back 3, the said ears being designed to receive screws or other fastening devices by which the casing may be secured to the window sash.

The front end of the casing 1 is formed with a rearwardly projecting stud 5 over which the hub 6 of a cam member 7 is adapted to be slipped. The cam member 7 is formed with an eccentrically disposed flange 8 which is designed to bind against the adjacent jamb of the window casing when the cam member is turned in one direction so as to bind the window sash at any desired elevation, and a handle 9 is secured to the hub portion of the cam member, said handle projecting upwardly through an opening 10 formed in the front of the casing so as to constitute means for the manipulation of the cam member, the opposite end walls of said opening forming stops to limit the movement of the same.

Coacting with the cam member 7 is a locking bolt 11. This is mounted for a laterally sliding movement in a guide channel 12 formed in the casing at one end thereof, said bolt being provided with a finger piece 13 which projects through a slot 14 formed in the front of the casing at one end thereof. A spring 15 is coiled around a pin 16 secured to the inner wall of the front of the casing 1, one arm of said spring being also coiled around the cam member 7 so as to swing the same into an operative position, while the other arm projects downwardly as shown and engages the rear end of the locking bolt 11 and forces the same outwardly into engagement with any desired notch or keeper 17 formed in the adjacent jamb of the window frame. The locking bolt 11 is provided with an upwardly extending arm 18 designed to be engaged by the rear end of the flange 8 upon the movement of the cam member 7 toward the released position, the cam member simultaneously effecting the retraction of the locking bolt.

From the foregoing description in connection with the accompanying drawings, it is believed that the operation of my improved sash fastener and lock is obvious.

The spring 15 has a tendency, as is manifest, to force both the bolt 11 and the cam member 7 into operative engagement with the adjacent jamb of the window casing, whereby the sash may be held at any desired elevation and also obviously locked in any desired position upon the entrance of the locking bolt into one of the keepers or notches 17. By turning the cam member toward the released position, to carry its flange 8 out of contact with the adjacent wall of the jamb, it is obvious that the bolt will also

be retracted, and the sash be free to move upwardly or downwardly.

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

A sash fastener, comprising a casing, a cam member pivotally mounted in said casing, a slidable bolt mounted in said casing, a pin secured to the casing, and a spring coiled around said pin, one arm of said spring being also coiled around the cam member so as to swing same into an operative position and the other arm of said spring engaging the rear end of the bolt, the cam member being provided with means for engaging the bolt and retracting the same by and upon the movement of the cam member toward the released position.

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

GEORGE HAUPT.

Witnesses:
F. J. WEISSER,
NIC HEINEN.