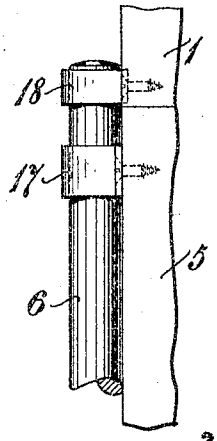
No. 788,952. PATENTED MAY 2, 1905.

H. SCHWEGLER.

BOLT.

APPLICATION FILED JAN. 17, 1903.

Fig. 2.



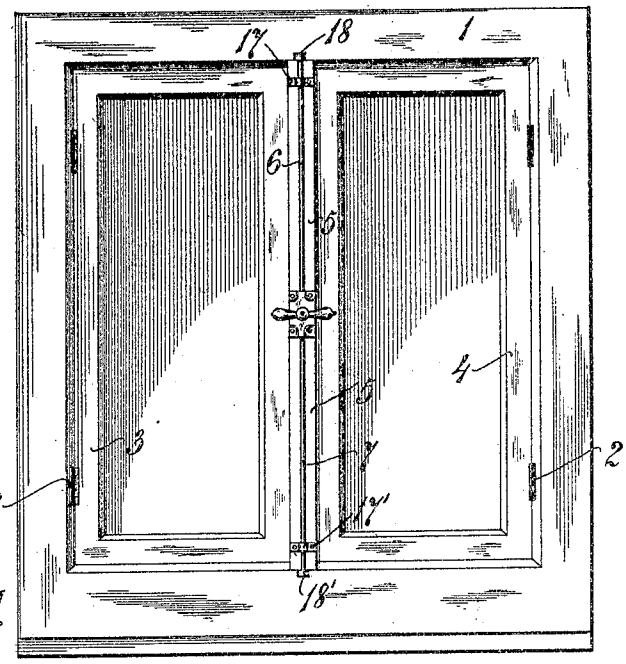
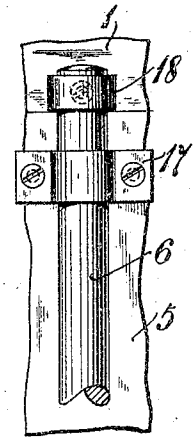


Fig. 1.

Fig. 3.



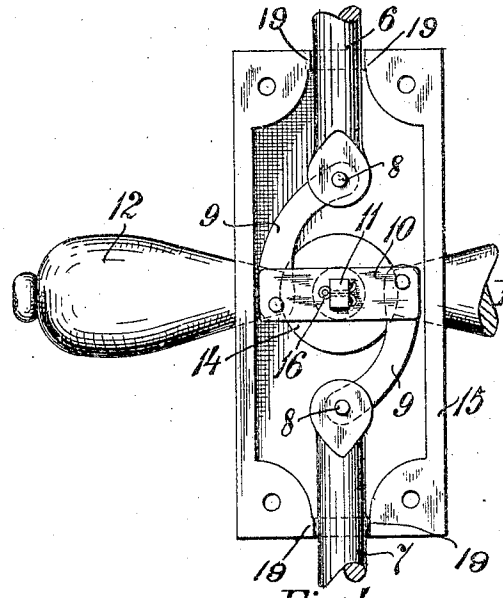


Fig. 4.

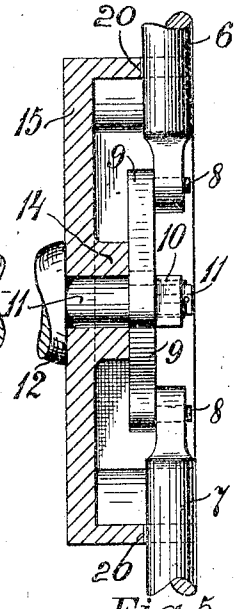


Fig. 5

Witnesses

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No. 788,952. Patented May 2, 1905.

UNITED STATES PATENT OFFICE.

HENRY SCHWEGLER, OF PITTSBURG, PENNSYLVANIA.

BOLT.

SPECIFICATION forming part of Letters Patent No. 788,952, dated May 2, 1905.

Application filed January 17, 1903. Serial No. 139,403.

To all whom it may concern:

Be it known that I, HENRY SCHWEGLER, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Bolts, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in bolts, and relates more specifically to that form of windows which are adapted to be hinged within the frame and swing outwardly from the frame and to the means for securely fastening the windows in the closed position.

Briefly described, the invention comprises a pair of hinged sash, which at their meeting-rails overlap one on the other, in connection with a fastening device carried by the overlapping meeting-rail of the sash, which fastening device embodies a pair of vertically-operative rods adapted when the actuating device therefor is operated to move one rod in one direction and the other rod in the opposite direction, whereby to engage or disengage the rods from their keepers to permit the opening of the window or the securing thereof in the closed position.

In describing the invention in detail reference will be had to the accompanying drawings, forming a part of this invention, and wherein like numerals of reference will be employed for designating like parts throughout the different views, in which—

Figure 1 is a front elevation of a window constructed in accordance with my invention. Fig. 2 is a side elevation of a part thereof and of a part of one of the locking-rods, showing the latter engaged with its keeper. Fig. 3 is a front elevation of the same. Fig. 4 is a detached inside plan view of the actuating mechanism for the securing-rods, the latter being partly broken away. Fig. 5 is a central vertical sectional view thereof.

To put my invention into practice, I provide a suitable frame 1 and secure therein by hinges 2 a pair of sash-frames 3 and 4. The meeting-rail of the sash 4 carries an overlapping strip 5, which overlaps a portion of the meeting-rail of the sash 3, whereby when the sash or windows are closed and the fastening device operated to lock the rods the two sash will be held in unison. This overlapping strip carries the fastening device, which comprises a pair of vertically-movable rods 6 and 7, connected at their inner ends to the outer ends of links 9 by pins 8. The inner ends of the links 9 are connected to the outer ends of a cross-bar 10, which is rigidly mounted on the shank 11 of the operating-knob 12. This knob is preferably made in the form of a double handle, one member of the same projecting in one direction and the other member in the opposite direction.

The shank of the knob is journaled in a boss 14, carried by a casing 15, provided with suitable screw-holes to receive fastening-screws (not shown) for securing the casing to the overlapping strip 5. This casing 15 has the lugs thereof which are provided with screw-holes extending for a distance inwardly to provide guides 19, whose function is to prevent lateral movement of the rods 6 and 7, as seen in Fig. 4 of the drawings. The top and bottom of the casing, as seen in Fig. 5 of the drawings, has its portion 20 cut away to provide a like guide for the rods 6 and 7 as contemplated by elements 19, the wall formed by the cut-away portions of said ends extending above the face of the boss 14. The portion of the shank which is journaled in the boss is round to permit the same turning, and the inner end of this shank is squared or made other suitable shape whereby to hold the cross-bar thereon, the latter being secured by means of a key 16. The securing-rods extend through keepers 17, secured near the upper end of the strip 5 and the lower end of the same, and the rod 6 engages into a keeper 18, carried by the upper rail of the frame, while the rod 7 engages in a like keeper 18′, carried by the lower rail of said frame.

To operate, the turning of the knob in one direction draws downwardly on rod 6 and upwardly on rod 7, thus disengaging or retracting both the rods from the keepers 18 and 18′, whereby the windows are free to be swung outwardly on their hinges away from the frame. When the knob is turned in the op-

posite direction after the windows have been closed, the rods are forced upwardly and downwardly, respectively, and engage in their respective keepers whereby to lock the windows.

While I have herein shown and described the invention in detail, yet it will be evident that in the practice of the same various slight changes may be made from the construction herein shown and described without departing from the general spirit of the invention.

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

The combination with a hinged window-sash, of a hollow rectangular casing pierced at its corners for the reception of retaining-screws, said casing being formed with an integral inwardly-projecting boss and having its end walls cut away, an operating-knob having a shank passing through said boss, a cross-bar mounted on the inner end of said shank, curved links pivotally attached to said cross-bar, bolts pivotally attached to said links and extending through the end walls of said casing and extending respectively to the upper and lower edges of said sash, keepers carried by the sash and maintaining said bolts in alinement with the edge of the sash, and keepers mounted on the window-frame with which said bolts engage.

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

HENRY SCHWEGLER.

Witnesses:
A. M. WILSON,
E. E. POTTER.