

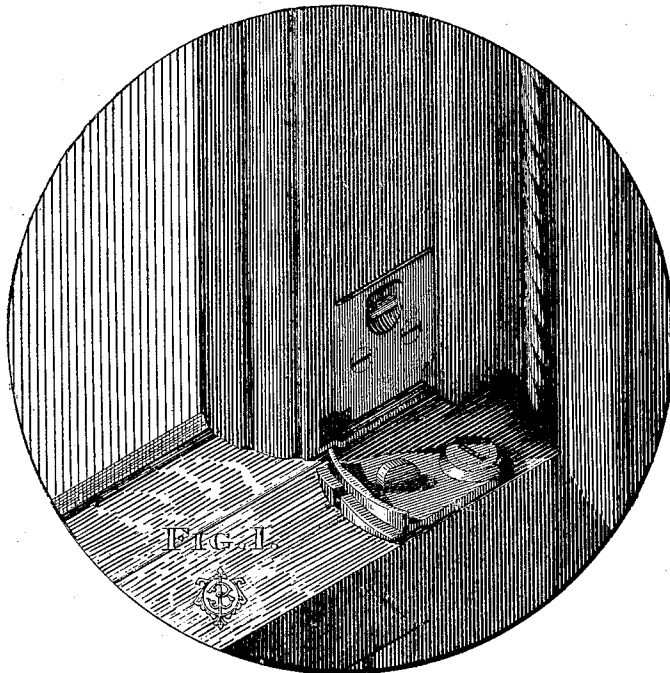
C. R. WEBB.

Improvement in Window-Sash Fasteners.

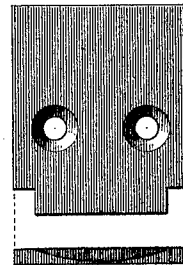
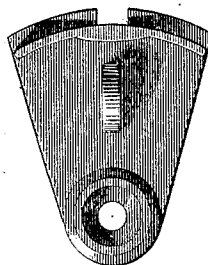
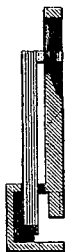
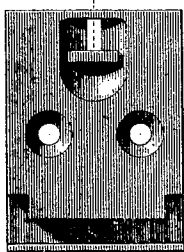
No. 130,396.

Patented Aug. 13, 1872.

Fig. 1.



Figures 2, 3, 4, 5; Full Size.



Witnesses:

Burkitt Webb. C. R. Smith.

Inventor:

Chas R Webb.

UNITED STATES PATENT OFFICE.

CHARLES R. WEBB, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN WINDOW-SASH FASTENERS.

Specification forming part of Letters Patent No. 130,396, dated August 13, 1872.

Specification describing a certain Sash-Lock, invented by CHAS. R. WEBB, of Philadelphia, in the county of Philadelphia and State of Pennsylvania.

My invention relates to certain improvements in window-sash fasteners; and consists in a novel construction and arrangement of an upright stationary plate, a horizontal plate-latch, and a vertical bolt for locking the sashes, as will be hereinafter more fully set forth and described.

Figure 1 illustrates the invention as applied. It shows, first, the upper sash with a stationary plate inserted, which plate is seen in front elevation, Fig. 2, and in section, Fig. 3; second, the lower sash with a latch or button pivoted in a horizontal position to the top of it, which button is shown in plan Fig. 4.

The sashes are represented as closed but not locked.

The plate, Figs. 1, 2, and 3, which is let into the upper sash, consists of a flat part having screw-holes for the purpose of securing said plate to the inside face of the sash. The lower part of the plate is formed into a box or recess, and a place is cut in the sash to receive it. This box is fitted for the reception of the latch, Fig. 4, and is seen at the lower part of Figs. 2 and 3. The flat part of the plate projects downward, partly over the open front of the box, forming a depending lip, to provide a means of holding the sashes together laterally. The section of the box and plate is shown in Fig. 3, made at the dotted line in Fig. 2. At the back of the plate is a bolt, which slides vertically, seen best in Fig. 3, the handle being seen also in Figs. 1 and 2. Said bolt is to engage the latch when its end is in the box or recess, and prevent its being withdrawn without lifting the bolt. The latch, Fig. 4, seen also on top of the lower sash, Fig. 1, consists of a single casting fastened with one screw to the sash, the screw being also the pivot on which it turns. Said latch consists of a horizontal plate, the form of which is shown best in Fig. 4. It has a screw-hole at its narrow end for pivoting it to the sash. Near the wide end of this latch there is a raised arc or flange, concentric with the screw-hole, and having a swelling at its

center. Beyond this flange the end of the plate is formed into two inclines with a space between them. These inclines are, respectively, portions of a right-and-left helix, with the aforesaid screw-hole in the narrow end of the plate for their center, the left-hand incline, Fig. 4, being part of a left-hand helix, and the right-hand incline being part of a right-hand helix. The latch has also a thumb-piece or projection upward from its face, by which to move it in the process of locking and unlocking the sashes.

Fig. 5 represents a modification of the plate, with its depending lip, Figs. 2 and 3, which, for cheapness, may be made without either bolt or box, or with the bolt and without the box, as desired. By the insertion of an additional plate, Figs. 2 and 3, at any desirable point in the upper sash, the sashes may be locked together, while open for ventilation, at the top or bottom, or both.

Operation.

The sashes being closed, as represented in Fig. 1, and the latch in the position shown, which it occupies when the lock is not in use, the window is now ready to be locked. To do this the button or latch is moved by means of the projection or handle; the end of it with the raised arc and inclines enters the recess in the upper sash; the arc passes behind the depending lip or part of the vertical plate which projects downward, and the forward incline (in this case the right-hand one) engages the bolt which it lifts as the latch moves into the box or recess. As the latch comes to its "home" the swelling on the raised arc engages the depending lip and draws the sashes firmly together; when "home" the bolt falls into the space between the helical inclines and renders the withdrawal of the latch impossible without lifting the bolt. The lock may be made "Janus faced" or not, as desired.

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

1. The improved window-sash fastener, consisting of an upright stationary plate secured to the upper sash, and provided with a depending lip and a box-shaped recess, in combination with a horizontal plate-latch pivoted

to the meeting-rail of the lower sash, having a thumb-piece and the raised arc or flange near its end with swellings for drawing the sashes laterally together, all as described and shown, for the purpose set forth.

2. In combination with the elements of the above claim, a vertical bolt, raised automatically by inclines on the end of the latch and dropping into a corresponding notch within

the same, thereby securely locking the sashes, all constructed, arranged, and operating as herein shown and described, for the purposes set forth.

CHAS. R. WEBB.

Witnesses:

BURKITT WEBB,
F. WEBB.