

T. L. SHAW.
Sash-Fasteners.

No. 156,314.

Patented Oct. 27, 1874.

Fig: 1.

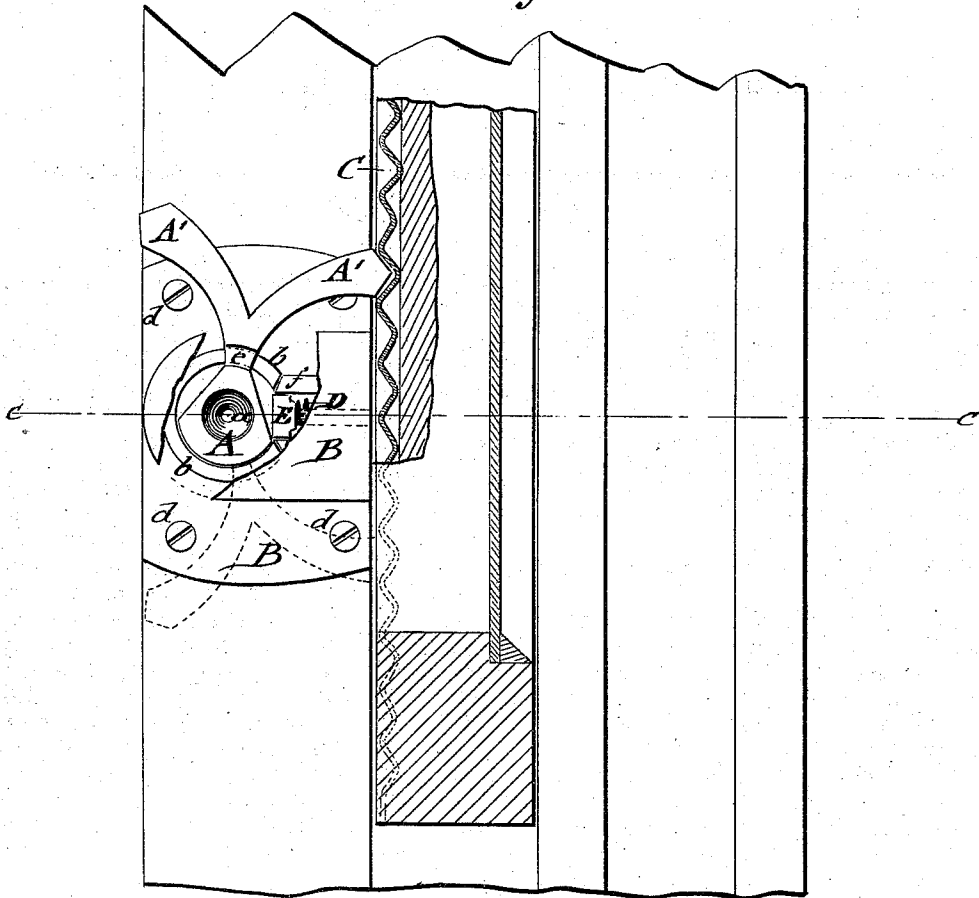
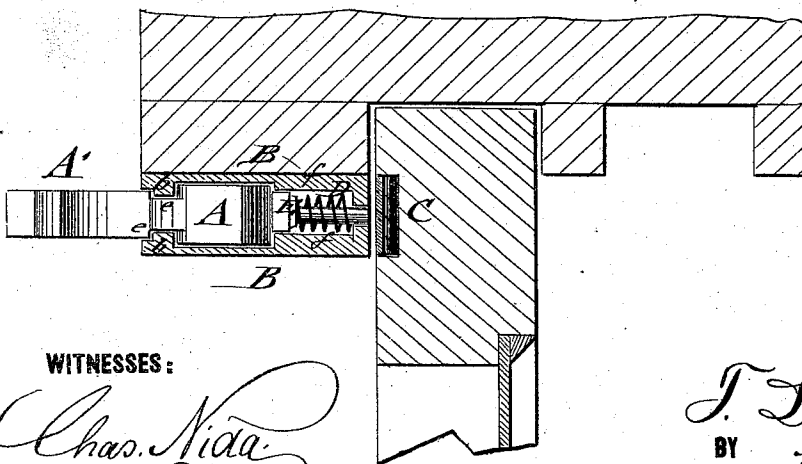


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

THOMAS L. SHAW, OF LAURINBURG, ASSIGNOR TO HIMSELF AND HUGH G. FLADGER, OF LILESVILLE, NORTH CAROLINA.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. 156,314, dated October 27, 1874; application filed October 3, 1874.

To all whom it may concern:

Be it known that I, THOMAS L. SHAW, of Laurinburg, in the county of Richmond and State of North Carolina, have invented a new and Improved Sash-Fastening, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of my improved sash-fastening with parts cut off to show interior construction, and Fig. 2 is a horizontal section of the same on the line *c c*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of my invention is to furnish for window-sashes of larger and smaller size an improved sash fastener and lock, which is of neat, strong, and effective construction, retaining the sash at any position, and preventing the danger of dropping sash and breaking glass, and also locking the same rigidly in closed position.

My invention consists of a pivoted sector-shaped latch-piece, which is guided in ribbed inclosing-plates, and acted upon by a strong spring-bolt for forcing the curved V-shaped arms, with tapering ends, into notches of the window-casing or sash-frame, for retaining the sash in any position, and locking the same.

In the drawing, A represents the fastening latch-piece, which turns by its sector-shaped part in circular guide-ribs *b* of the inclosing-plates or casing B. The fastener is applied either to the sash-frame or to the window-casing, as desired, the larger base-plate being attached firmly by screws *d*. Curved V-shaped arms A' extend from the apex or pointed part of the sector-shaped latch-piece A, and have side grooves *e* for sliding along the guide-ribs *b* of the inclosing-plates. The ends of arms A' are of tapering or wedge shape, and lock into a notched strip, C, of the sash or window-casing.

The latch-piece A is readily swung, by means of the arms, in upward or downward direction, as desired, for raising and locking the window up or down. A sliding bolt, E, moves by a spiral spring, D, in straight guides *f* of the plates B, and acts on the straight sides of the

sector part of the latch-piece, locking it thereby instantly into the notched strip, as soon as the arms are brought far enough toward the same that the spring-bolt may press on the straight side of the sector part. The arc-shaped side of the sector part A presses the spring-bolt back, and neutralizes its effect.

By applying the fastening-latch to the notched strip above its guide-plates, the sash may be readily raised to any height, and locked at any desired point. By turning the arms to the outside, the sash is free to slide up and down in the usual manner, and by turning the arms below the pivot-point, until entering the notches, the sash may be readily lowered, but prevented from being raised by the locking action of the latch-piece. This fastening may be used for all sizes of windows, and is adapted, on account of its ready adjustment and non-rattling of its parts, to car and similar windows.

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

1. The improved sash-fastening, composed of swinging latch-piece A, with curved V-shaped arms A', inclosing guide-plates B, spring-bolt E, and notched strip or surface of sash or window-frame, all being constructed and operated substantially as and for the purpose set forth.

2. The combination of sector-shaped part of latch-piece A and its curved extension-arms A', having grooves *e*, with the circular guide-ribs *b* of inclosing-plates B, for swinging readily in up and downward positions, for retaining and locking sash, substantially as specified.

3. The combination of sliding spring-bolt D E with the straight sides of sector-shaped latch-piece A, for carrying the V-shaped arms into notches when swinging the arms sufficiently far toward the notched strip C, for the purpose described.

THOMAS L. SHAW.

Witnesses:

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