(No Model.)

F. FALLOWS & A. J. MOORE.

SASH FASTENER.

No. 559,373. Patented May 5, 1896.

Fig. 1.

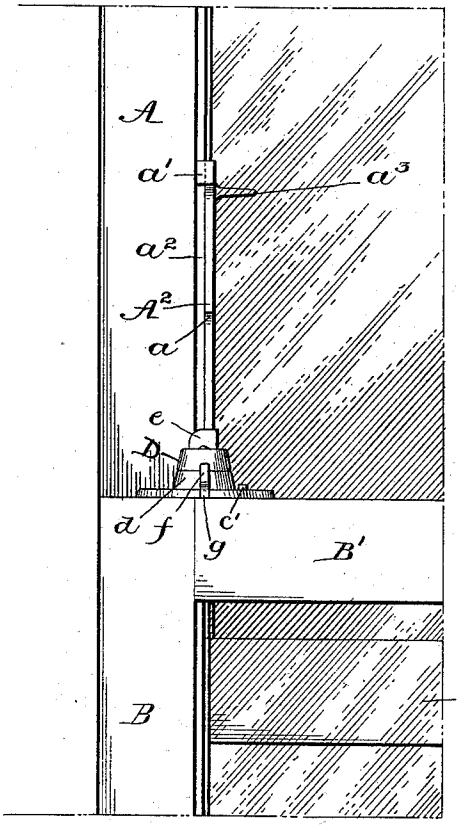


Fig. 2.

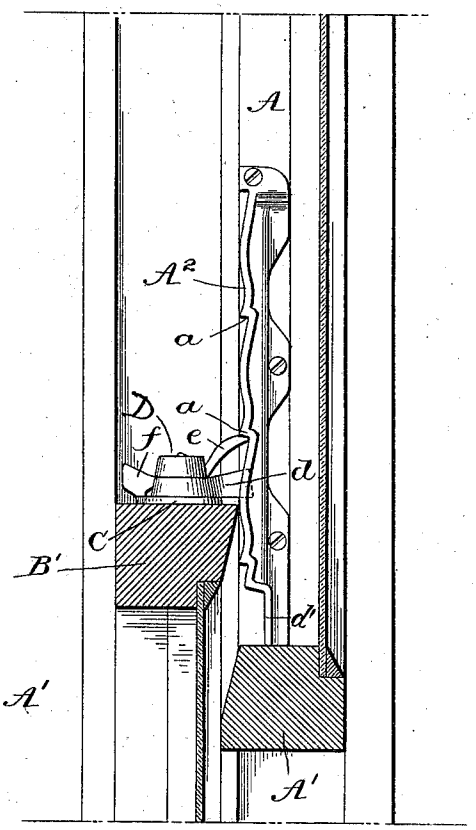


Fig. 5.

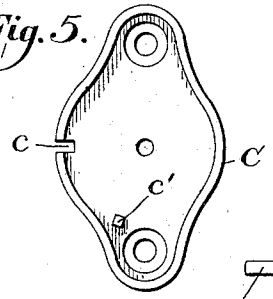


Fig. 3.

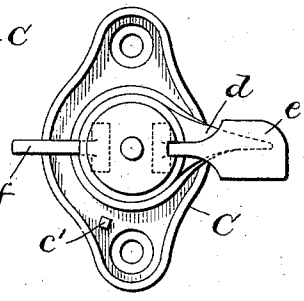
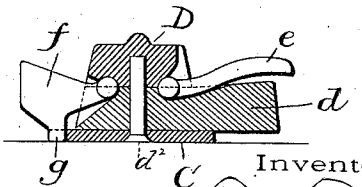


Fig. 4.



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FRED FALLOWS AND ALFRED J. MOORE, OF PHILADELPHIA, PENNSYLVANIA.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 559,373, dated May 5, 1896.

Application filed August 6, 1895. Serial No. 558,372. (No model.)

To all whom it may concern:

Be it known that we, FRED FALLOWS and ALFRED J. MOORE, citizens of the United States, residing in Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Sash-Fasteners; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Our invention relates to window-sash-fastening devices, and has for its object the provision of an improved window-sash lock or fastener which will lock the sash when either closed or open to its fullest extent, and which will also support and hold the two sashes rigid with one another at any intermediate point.

The invention consists in the construction and novel arrangement of the parts hereinafter described, illustrated in the drawings, and hereinafter more particularly pointed out in the claims hereunto appended.

In the accompanying drawings, Figure 1 shows a section of an upper and lower window-sash having our improved fastener thereon. Fig. 2 is a side elevation. In both of these figures the sashes are shown separated a short distance. Fig. 3 is a plan view of that part of the fastener that is secured upon the top rail of the lower sash. Fig. 4 is a sectional view through the middle of Fig. 3. Fig. 5 is a plan view of the base-plate upon which the parts shown in Figs. 4 and 5 are secured.

A represents the side rail of the upper window-sash; A′, the bottom rail of the top sash.

B is the side rail of the bottom sash.

B′ is the top rail of the bottom sash.

A^2 is a metal plate securely fastened upon the side rail A.

a a are notches in the edge of the plate A^2.

a′ is a shoulder or stop formed on the inside of the upper end of the plate A^2. This shoulder rests against the side rail A and holds the plate A^2 a little distance therefrom, thus forming the opening or slot a^2 between the inside of the rail A and the plate A^2.

a^3 is a thumb-piece formed on the upper end of the plate A^2. This thumb-piece is for use when raising or lowering the upper sash.

C is a base-plate screwed upon the top of the upper rail B′ of the lower sash B.

c is a notch in the front edge of the base-plate C.

c′ is a stop projecting upward from the face of the plate C.

d is a wedge-shaped catch pivoted to the base-plate and projecting into the slot a^2 when the fastener is in the position shown in Figs. 1 and 2.

e is a movable tongue sliding over and fitting into the notches *a a* on the plate A^2. This tongue is made with a T-shaped inner end that fits into a semicylindrical depression formed in the body of the catch *d*.

f is a drop-latch, also provided with a T-shaped end fitting into a corresponding depression in the body of the catch *d*.

g is a square lug or extension formed on the under side of the latch *f* and fitting into the notch *c* in the base-plate C.

D is a surmounting top holding the parts *d e f* to the base-plate C, being pivotally connected thereto by means of the pin d^2, cast or otherwise fastened therein, and extending through the base-plate and riveted on the under side, as shown in Fig. 4.

The fastener being constructed as described and secured to the sash in the position shown in Figs. 1 and 2, the tongue *e*, fitting into the notch *a* on the side plate A^2, will not allow the lower sash to be raised or the upper sash lowered any farther. If it is desired to open the window farther, the tongue *e* must first be held back out of the notches *a* and the sash raised or lowered to the point desired, when the tongue is again dropped into position. The opening in a window-sash provided with this form of fastening may be all at the top of the window or all at the bottom, or it may be divided between the top and bottom. The extreme limit of raising or lowering the sash is determined by the length of the plate A^2 on the side of the upper sash, the wedge-shaped latch *d*, striking

against the shoulder a', preventing any further movement. The lug g on the drop-latch f prevents the turning of the latch until said lug is raised out of the notch c in the base-plate C, making it impossible to move the latch from the outside by inserting anything between the rails of the sashes. If it is desired for any purpose to raise or lower the sash any greater distance than the length of the plate A^2, both sashes are first closed, top and bottom. This will bring the catch d opposite to the cut-away portion d' in the plate A^2 and allow the catch d to be turned around parallel with the top rail B', the stop c', preventing it going too far. The sash can then be raised or lowered, as desired.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a window-sash fastener, the catch d, movable tongue e, and drop-latch f, pivotally connected to the base C, on the lower sash, in combination with the notched plate A^2, secured on the upper sash, substantially as shown and for the purpose described.

2. In a window-sash fastener, the latch d, tongue e, drop-latch f, having the projecting lug g, pivotally secured to the base-plate C, having therein the notch c, in combination with the side plate A^2, provided with the shoulder a', and secured upon the upper sash, substantially as and for the purpose described.

In testimony whereof we affix our signatures in presence of two witnesses.

FRED FALLOWS.
ALFRED J. MOORE.

Witnesses:
THOS. D. MOWLDS,
CHAS. H. WHITE.