W. M. GRISCOM.
Sash-Lock.

No. 205,076. Patented June 18, 1878.

FIG. 1.

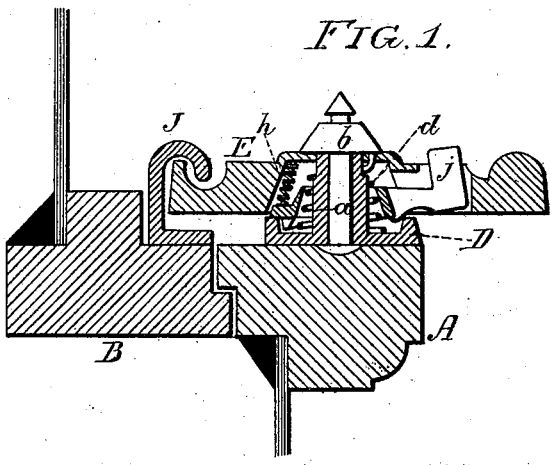


FIG. 2.

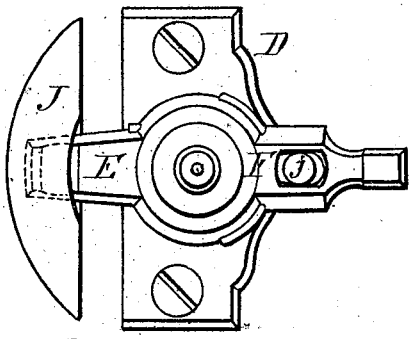
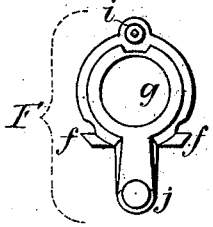


FIG. 6.



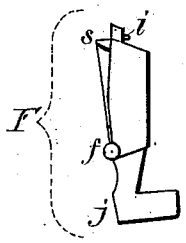


FIG. 5.

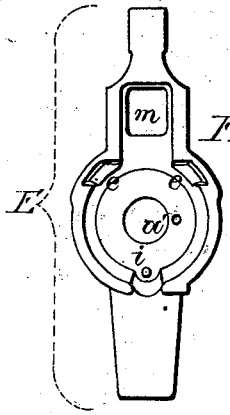


FIG. 3

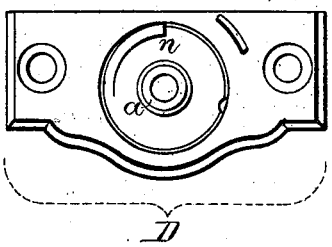
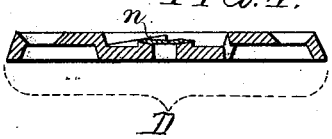


FIG. 4.



Witnesses,

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Henry Howson Jr.

Inventor

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UNITED STATES PATENT OFFICE.

WILLIAM M. GRISCOM, OF READING, PENNSYLVANIA.

IMPROVEMENT IN SASH-LOCKS.

Specification forming part of Letters Patent No. **205,076**, dated June 18, 1878; application filed May 20, 1878.

To all whom it may concern:

Be it known that I, WILLIAM M. GRISCOM, of Reading, Pennsylvania, have invented a new and useful Improvement in Sash-Retainers, of which the following is a specification:

The object of my invention is to combine with the locking-lever of a sash-retainer a supplementary locking device, which, while preventing the accidental displacement of the lever from the position in which it locks the sashes, does not interfere with the ready adjustment of said lever, when necessary, to a position in line with the sashes—that is to say, the unlocked position. This object I attain in the following manner, reference being had to the accompanying drawing, in which—

Figure 1 is a vertical section of my improved sash-retainer; Fig. 2, a plan view of the same; and Figs. 3 to 7, inclusive, detached views of parts of the same.

A represents the upper bar of the lower sash, and B the lower bar of the upper sash, these bars being adapted to each other, as usual.

To the sash A is secured a plate, D, having a central tubular stem, *a*, which extends up through an opening, *a'*, formed in the locking-lever E, the latter being retained in position vertically by an enlarged head, *b*, formed upon a rivet, the stem of which is adapted to the tubular stem *a* of the base-plate D.

A spring, *d*, is coiled around the stem *a*, and the upper end of this spring is adapted to an opening in the locking-lever E, the tendency of the spring being to cause the said lever to move in the direction of the arrow, Fig. 2, and assume a position in line with the sashes, thus unlocking the same.

To recesses *e e*, formed in the under side of the lever E, as shown in Fig. 5, are adapted lugs *f f*, projecting from opposite sides of a lever, F, Figs. 6 and 7, these lugs thus forming trunnions, on which the lever vibrates.

The lever F has an opening, *g*, for the passage of the stem *a*, and between the inner end of the lever and the top of the lever E intervenes a spring, *h*, the tendency of which is to depress the said inner end of the lever F, and cause a lug, *j*, on its outer end to project up through an opening, *m*, in the lever E.

Lateral movement of the spring *h* is prevented by pins *i' i* on the levers E and F.

On the base-plate D is formed an inclined segmental rib, *n*, and on the under side of the lever F is formed a similar inclined segmental rib, *s*; and when the lever is in the position shown in Figs. 1 and 2—that is to say, when its front end engages with the locking-flange J on the sash B—the abrupt ends of the ribs *n* and *s* abut against each other, and prevent any movement of the lever E in the direction of the arrow, Fig. 2, which is the movement required to effect the unlocking of the sashes.

When it is desired to unlock the sashes, however, the lug *j* on the outer end of the lever F is depressed, thus elevating the inner end of said lever so that its rib *s* ceases to engage with the rib *n* of the base, thereby permitting the spring *d* to turn the lever in the direction shown in Fig. 2, and free its front end from the control of the locking-flange J.

When it is necessary to relock the sashes, the lever E is turned in a direction contrary to that shown in Fig. 2, the rib *s* riding on the rib *n* until the abrupt ends of the ribs pass each other, when the spring *h* forces the inner end of the lever F downward, and causes the ribs to interlock and prevent any backward movement of the lever E.

I claim as my invention—

1. The combination of the base-plate D and its spring *d*, with the lever E and its locking-lever F, as set forth.

2. The combination of the lever E and its recesses *e* with the lever F and its lugs *f*, as specified.

3. The combination of the base D and its inclined rib *m*, the lever E, having an opening, *m*, and the spring-lever F, carried by the lever E, and having an inclined rib, *s*, and projecting lug *j*, as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM M. GRISCOM.

Witnesses:

F. M. BANKS,

CHAS. L. HOFF.