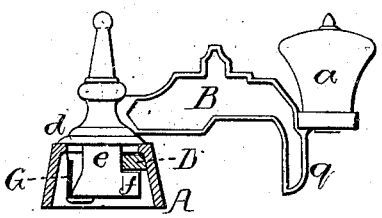
W. M. GRISCOM.

Fasteners for the Meeting-Rails of Sashes.

No. 197,848. Patented Dec. 4, 1877.

Fig 1.



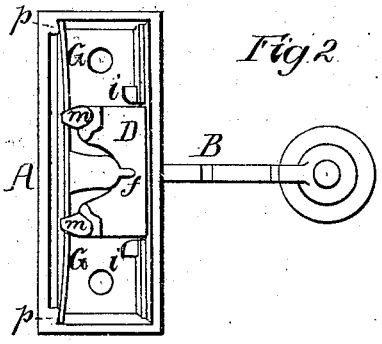


Fig 2.

Fig 6

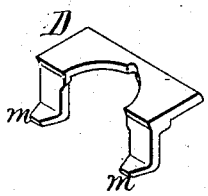


Fig 3

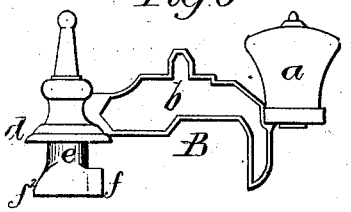


Fig 5.

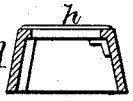


Fig 4

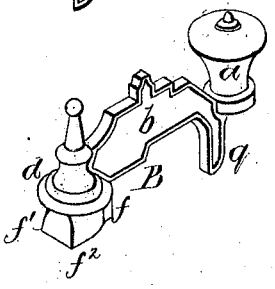


Fig 7

Witnesses

Henry Howson Jr

Harry Smith

Inventor

William M. Griscom

by his Attorneys

Howson and Sons

UNITED STATES PATENT OFFICE.

WILLIAM M. GRISCOM, OF READING, PENNSYLVANIA.

IMPROVEMENT IN FASTENERS FOR THE MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **197,848**, dated December 4, 1877; application filed November 2, 1877.

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 construct a cheap and simple sash-retainer, the parts of which can be put together without any expensive fitting; and it consists, mainly, in the details of construction hereinafter more fully described and claimed.

In the accompanying drawings, Figure 1 is an end view, partly in section, of my improved sash-retainer; Fig. 2, an inverted plan view; Fig. 3, a side view of the retaining and releasing lever; Fig. 4, a perspective view of the same; Fig. 5, a section of the base of the retainer; and Figs. 6 and 7, views of detached parts of the device.

The base A is preferably made of the quadrangular shape shown in Fig. 2, with slightly tapering sides and ends.

The retaining and releasing lever B has at its outer end a suitable knob, *a*, the opposite or inner end having a collar, *d*, for bearing on the base, and below the collar a spindle, *e*, having at the lower end an enlargement with three projections, *f*, f^1, and f^2, as best observed in Fig. 4.

There is in the top of the base an opening, *h*, Fig. 5, large enough to freely admit the spindle and its enlargement, after which the retaining-plate D is introduced into its place, as shown in Fig. 2, the central portion of the plate overlapping the projection *f* of the enlargement, and preventing the withdrawal of the same through the said opening *h*.

The retaining-plate is held in place longitudinally by two studs, *i i*, cast with and forming a part of the base.

The last thing to be done in order to complete the device and retain the parts firmly in place is to apply the spring G, which is introduced beneath lips *m m* on the retaining-plate D, and bears against the enlargement of the spindle of the lever, the opposite ends of the spring bearing against the projections *p p* on opposite corners of the base.

The spring forces the said enlargement of the lever against the retaining-plate, and maintains the latter in such a position that it must always retain the spindle of the lever in its place.

The spring also tends to maintain the retaining-lever in the position, Fig. 2, by bearing against the flat portion of the enlargement; but the lever can be turned to the right or to the left, when one or other of the projections f^1 or f^2 will bend the spring in the middle.

When the lever is moved to a position at right angles to that shown in Fig. 2, the spring will serve to retain it in that position.

The main advantages of my invention are its simplicity and the facility with which it can be put together without any fitting demanding tedious manipulation or expensive machine-work, the only part demanding any work of this kind being the knob *a*.

The base, retaining-plate, and lever, with its spindle, are crude castings, properly cleaned, and the spring is a simple unfinished strip of steel.

The base is provided with holes for receiving screws, by which it is secured to one sash, the projection *q* of the lever being arranged to bear on a plate on the other sash.

I claim as my invention—

1. The combination of the lever B, its spindle *e* and projection *f*, with the base A and its opening *h*, and with the retaining-plate D, arranged to overlap the said projection, all substantially as set forth.

2. The combination of the base A, the enlargement of the lever B, the retaining-plate D, with its lips *m*, and the spring G, substantially as described.

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

WILLIAM M. GRISCOM.

Witnesses:
RICHARD L. GARDINER,
HARRY SMITH.