

W. T. DOREMUS.

FASTENER FOR MEETING RAILS OF SASHES.

No. 189,088.

Patented April 3, 1877.

Fig. 1

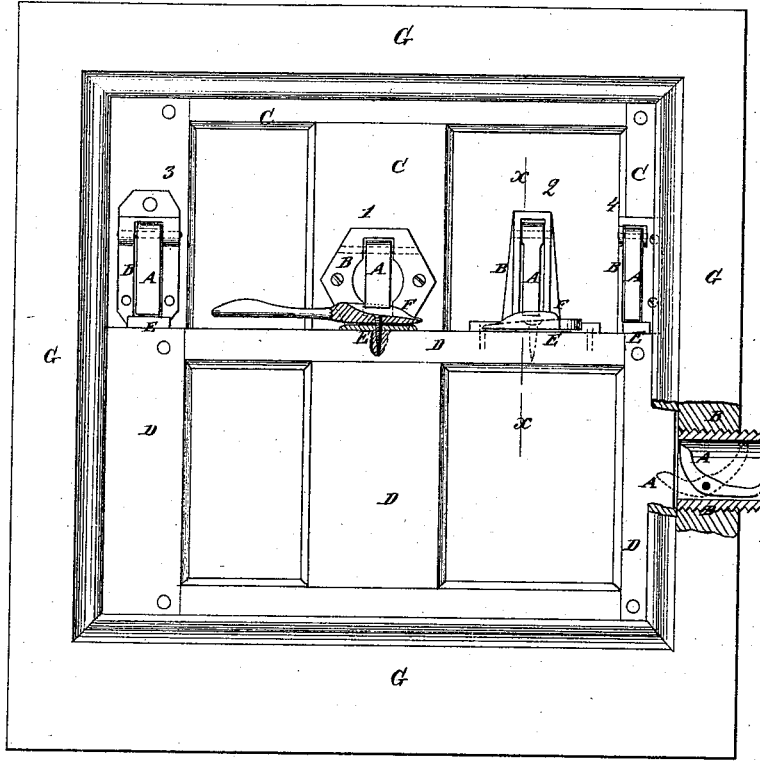


Fig. 2

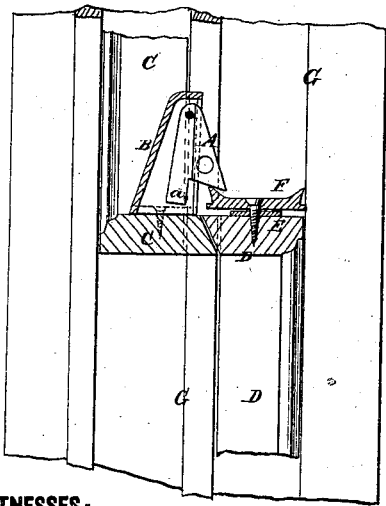


Fig. 3

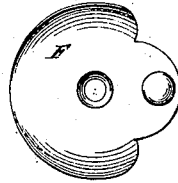
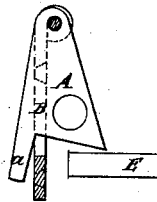


Fig. 4



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM T. DOREMUS, OF NEW YORK, N. Y.

## IMPROVEMENT IN FASTENERS FOR MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. 159,088, dated April 3, 1877; application filed February 26, 1877.

*To all whom it may concern:*

Be it known that I, WILLIAM T. DOREMUS, of the city, county, and State of New York, have invented a new and useful Improvement in Sash Stop and Lock, of which the following is a specification:

Figure 1 is a view, showing several styles of my device attached to the same sash. Fig. 2 is a detail section taken through the line *x*, Fig. 1. Fig. 3 is a detail top view of one of the lock-plates. Fig. 4 is a detail side view of one of the stops.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved window-sash stop, which shall be so constructed as to operate automatically to fasten the sashes when they are closed, so that it will be impossible to close the window and leave the sashes unfastened, and which may be also used to lock the sashes, so that they will not shake and rattle with the wind.

The invention consists in combining with a stop pivoted to plate, and having a toe, a pivoted lock-plate having upwardly-projecting inclined flanges and shoulders upon its sides, as hereinafter more fully described, and definitely claimed.

A is the stop, which is pivoted at its upper end to a plate or case, B, which is secured to or let into the frame of the upper sash C.

The stop A is so formed that when left free its weight will cause its lower forward corner to project, as shown in Figs. 2 and 4, so that when the upper sash C is raised into place or the lower sash D is lowered into place in closing the window, the corner of the stop A will be over the top rail of the said lower sash, and the window will be securely fastened.

When the sash is made without mullions, the case B may be made triangular in form, with its forward edge open and vertical, as shown in Fig. 2, and at 2 in Fig. 1, and may be attached to the bottom rail of the upper sash; or the stop A may be pivoted to a plate, B, attached to the side rail of the sash over a recess formed in said rail for the said stop to swing back into, as shown in Fig. 4, and at 3 in Fig. 1. If the side rail of the sash is too light to have a recess formed in it, the case B may be attached to the side of the

said side rail, as shown at 4 in Fig. 1. In each case the stop A has a toe, *a*, formed upon its lower rear corner, to strike against the plate or case B, and prevent the said stop from swinging too far forward, as shown in Figs. 2 and 4.

To the top rail of the lower sash is attached a plate, E, for the stop A to rest upon, to prevent it from wearing or marring the said top rail. If desired, the lower edge of the stop A may be inclined, as shown in Figs. 3 and 4, and a lock-plate, F, may be pivoted to the wear-plate E. The lock-plate F has upwardly-projecting flanges formed upon its sides, which flanges gradually increase in height so that the said flanges, when turned beneath the stop A, may push it upward and draw it forward, so as to lock the sashes firmly and prevent them from being shaken and rattled by the wind. The lock-plate F should be provided with a knob or handle for convenience in operating it.

Upon the outer side of the flanges of the locking-plate F are formed shoulders, as shown in Fig. 2, so that the points of the stops A may catch upon them and fasten the sash, should the sashes be closed with the lock-plate F accidentally turned into the locking position.

In case it is desired to fasten the sashes when partly open a stop, A B, may be attached to the side rail of the upper sash at the desired distance above its bottom rail. One or more of the stops A B may be attached to the window-frame G in a reversed position, so as to swing out beneath the bottom rail of the lower sash to support it when raised. To allow the sashes to be opened the stops A must be pushed back with the hand.

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

The combination, with stop A pivoted to plate B, and having toe *a*, of the pivoted lock-plate F, having upwardly-projecting flanges and shoulders upon its sides, as shown and described.

WILLIAM T. DOREMUS.

Witnesses:

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