

H. W. Drott,

Sash Holder.

No. 111,524.

Patented Feb. 7. 1871.

Fig. 1.

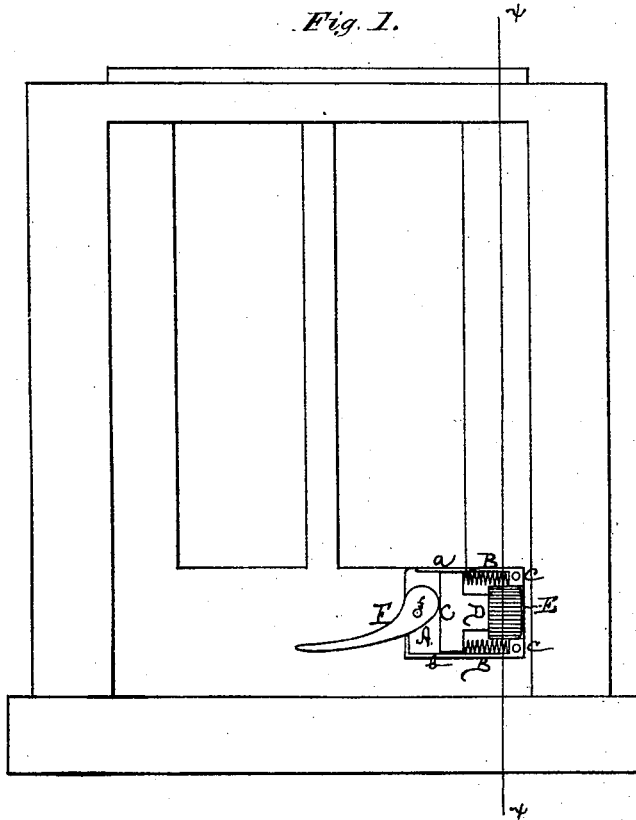


Fig. 4.

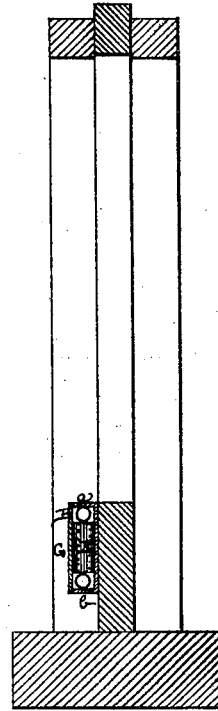


Fig. 2.

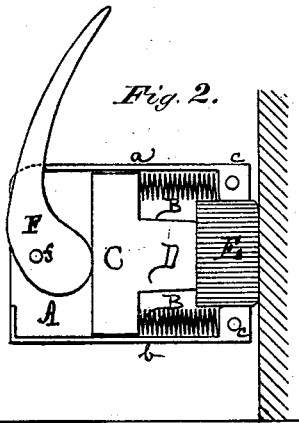
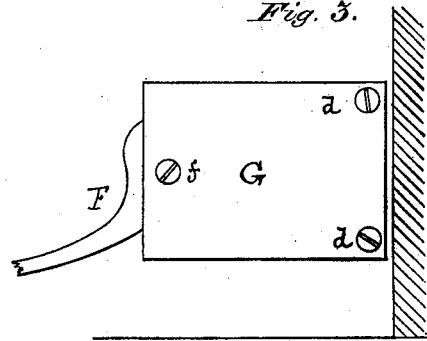


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY W. DROTT, OF CUMBERLAND, MARYLAND.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. 111,524, dated February 7, 1871.

To all whom it may concern:

Be it known that I, HENRY W. DROTT, of Cumberland, in the county of Alleghany and State of Maryland, have made new and useful Improvements in Sash Stops or Fasteners; and I do hereby declare the following to be a clear and exact description of the nature thereof, sufficient to enable others skilled in the art to which my invention appertains to fully understand and use the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a front view of the device, illustrating my invention in its normal position, the face-plate having been removed. Fig. 2 is a similar view of said device in a state of operation. Fig. 3 is a front view, the face-plate being attached; and Fig. 4 is a vertical section in line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists in the combination of a cross-headed bar, rubber cap, springs, and cam-lever, which are arranged and operate together, as will be hereinafter set forth.

In the drawings, A represents a plate, with side flanges, *a b*, which, when the plate is secured in place, will project to the front.

c c are lugs formed at one end, through which are to be passed the screws *d d*, which secure the device to the window sash or frame. These lugs also form bearings for two or more springs, B, which press or act against the cross-head C of a sliding bar, D. This bar rests and plays between the flanges *a b* of the plate A, and is guided thereby in its motion. The end of said bar opposite to its cross-head has secured to it a block of rubber or equivalent elastic material, E, which is to be brought into contact with the sash or window-frame relatively to the location of the fastener, and thereby hold the sash at any height or lock the same in a closed or partly closed state. The bar D is advanced by the action against its cross-head of a cam-lever, F, pivoted to the plate A, and so hung that when swung to its full extent while advancing the bar it throws

forward the bar, compresses the rubber E tightly against the sash or frame, and remains immovable, preventing the return of the bar until properly released. In the releasing operation the springs B force back the bar and the rubber, and thus render the fastener inoperative against the sash or frame, the latter thereby being released.

It must be noticed that the inner face of the plate A is unobstructed and the springs B occupy positions aside of the flanges *a b* and in the spaces between them and the sides of the bar D and rubber E, so that there is great simplicity in manufacturing and setting together the parts of the fastener or stop. The fasteners or stops may be secured to one or both sashes, so as to move therewith and act against the window-frame, and vice versa, and will operate as has been described, securely holding the sash or sashes at any desired height, or when closed to firmly lock the same and prevent opening thereof from the outside. A face-plate, G, covers the parts described, and the screws *d d* pass through it into the lugs *c c* and into the wood-work of the sash or frame. In the present case the screw *f* forms the fulcrum of the cam-lever F and assists in securing the fastener in place.

I am aware that the aforesaid parts separately are not new. Rubber has been used on the ends of fasteners. Springs have been applied thereto. Cam-levers also have been adapted for fasteners; but all the aforesaid are differently constructed, located, and combined, and are therefore disclaimed; but

What is claimed, and desired to be secured by Letters Patent, is—

The cross-headed bar D, rubber E, springs B, and cam-lever F, constructed, combined, and operating as herein set forth.

The above signed by me this 31st day of October, 1870.

H. W. DROTT.

Witnesses:

HENRY J. JOHNSON,
JOHN H. GEPHART.