

J. M. COWLES.

Improvement in Sash Holders.

No. 116,162.

Patented June 20, 1871.

Fig 1.

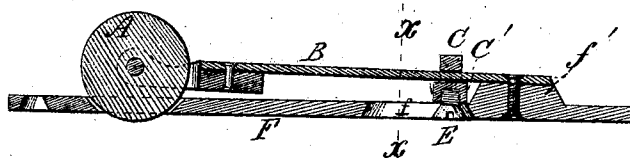


Fig 2.



Witnesses:

J. W. Miller  
C. F. Clausen

Inventor:

J. M. Cowles  
By Edwin A. Burt  
Attorneys

## UNITED STATES PATENT OFFICE.

JAMES M. COWLES, OF BURLINGTON, IOWA.

## IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. 116,162, dated June 20, 1871.

*To all whom it may concern:*

Be it known that I, JAMES M. COWLES, of Burlington, in the county of Des Moines and State of Iowa, have invented a new and useful Improvement in Sash-Holders; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of the same, and in which—

Figure 1 represents a horizontal longitudinal central section of my improved sash-holder, and Fig. 2 is a transverse section thereof through the dotted line *xx* of Fig. 1.

Similar letters of reference in the two figures refer to like parts.

This invention has reference to an improved sash-holder; and it consists of a slotted plate having a stud, in combination with a spring-bar carrying a roller, and a loop supplied with an arm and set-screw, all arranged and operating substantially as hereinafter more fully described and claimed.

To enable others to make and use my invention, I will proceed to describe it.

F in the annexed drawing refers to a plate which is set in a mortise cut in the window-frame, and there secured by means of screws or otherwise, it being supplied at its ends with openings suitable for that purpose. Upon the rear side of this plate is formed a lug, *f'*, which forms a bearing or resting surface for the upper end of the spring-bar B, the latter being riveted or otherwise secured thereto, as shown in Fig. 1. The lower or bifurcated end of the spring-bar B is supplied with a roller, A, which is caused, by means of said spring-bar, to press against the window-sash, an opening in the plate F being provided for its passage to the

sash. C refers to a loop embracing the upper end of the spring-bar B, and supplied with an arm, C', which receives a set-screw, E, having its head fitted within an elongated slot, *f*, made in the plate F. By means of this latter-described arrangement of devices, the spring-bar B can be brought nearer or placed further from the plate F, whereby the roller A attached to said bar is caused to press with greater or lesser force against the window-sash. To accomplish this result slide the loop C upon the spring-bar B, up or down, as the case may require, and then tighten the set-screw E, connected with said loop, as aforesaid, the said screw being capable of being vertically movable by reason of the slot *f* of the plate F.

Though I have described this device as a sash-holder, nevertheless it can be applied to and used in connection with car and other sliding doors with great advantage.

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

The combination of the slotted face-plate F with spring roller-arm B, secured upon a lug, *f'*, on the back side of it, the loop C surrounding it, the arm C', and the screw E, arranged and operating substantially as and for the purpose described.

In testimony that I claim the foregoing as my invention, I hereunto have signed my name this 16th day of February, A. D. 1871, in the presence of two subscribing witnesses.

JAMES M. COWLES.

Witnesses:

I. C. HALL,

W. W. BALDWIN.