

No. 685,809.

Patented Nov. 5, 1901.

O. WILLIAMS.  
SASH HOLDER AND FASTENER.

(Application filed July 12, 1901.)

(No Model.)

Fig. 1.

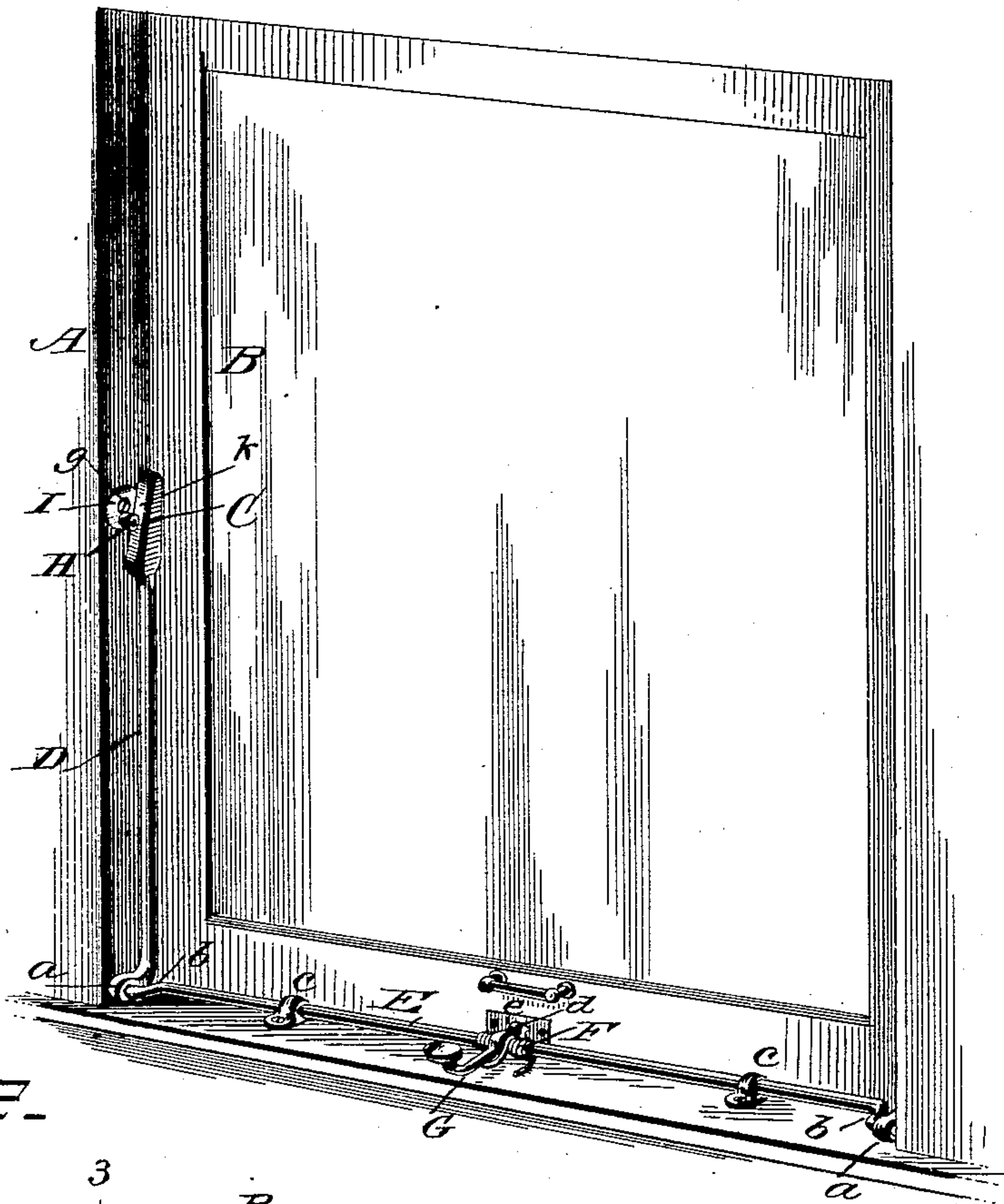


Fig. 2.

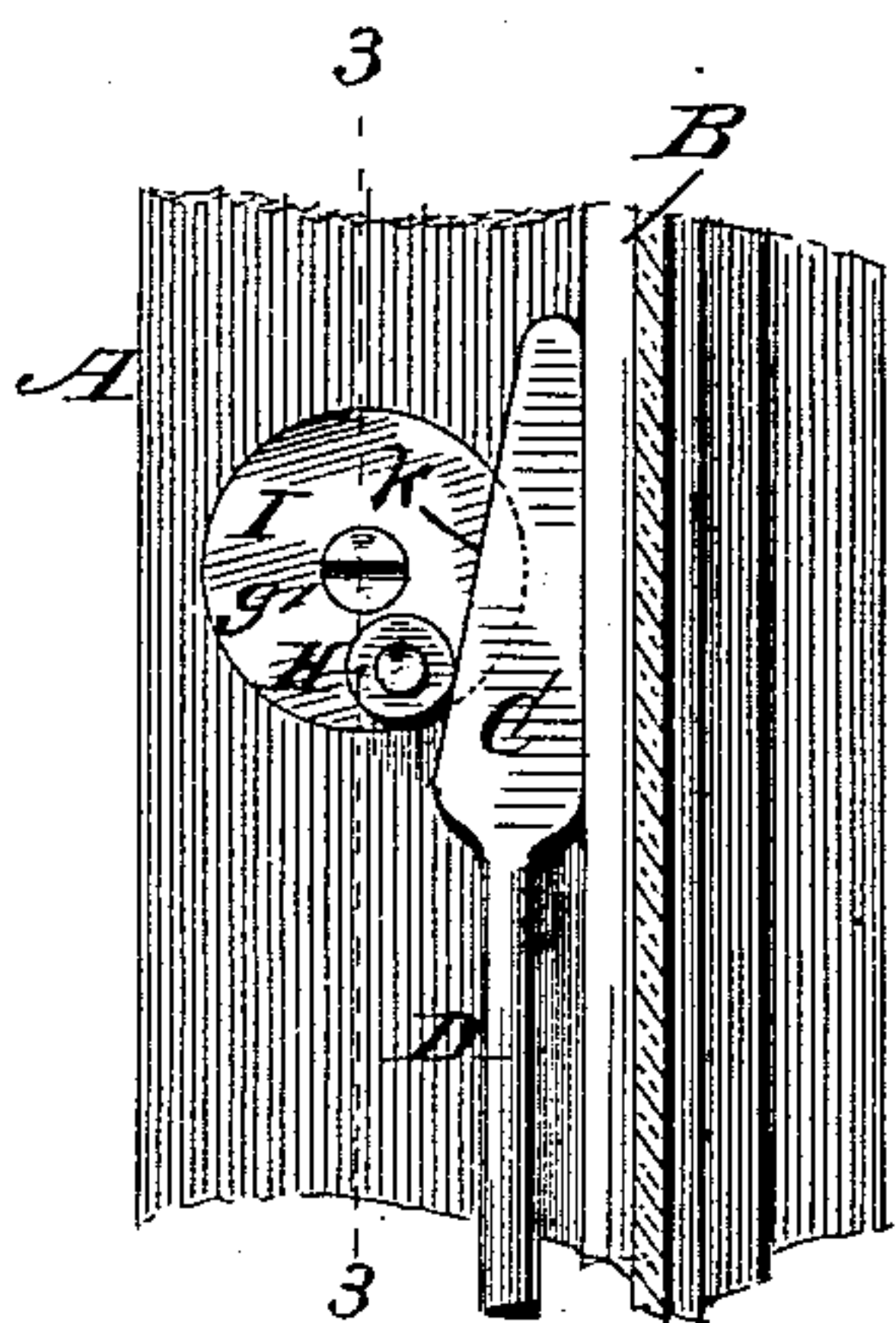


Fig. 3.

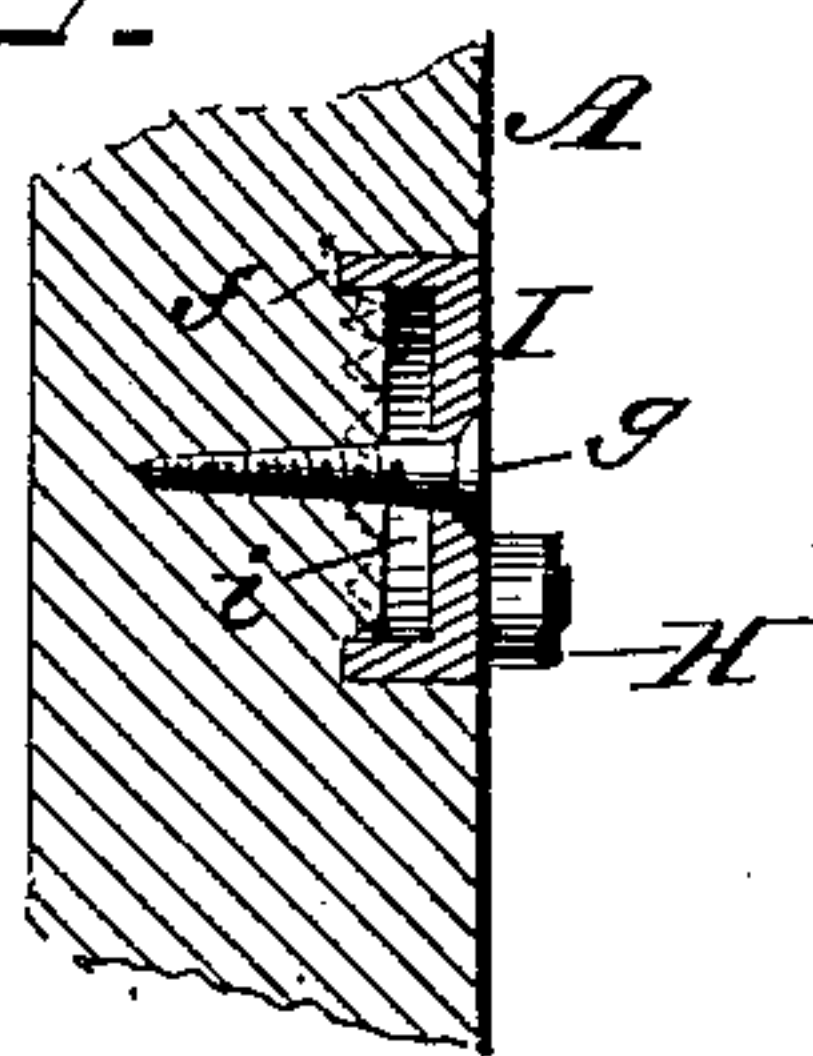
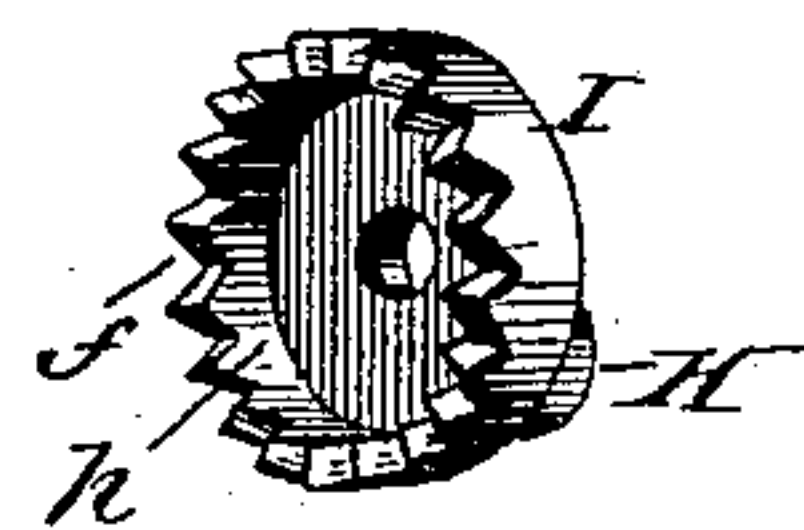


Fig. 4.



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# UNITED STATES PATENT OFFICE.

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## SASH HOLDER AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 685,809, dated November 5, 1901.

Application filed July 12, 1901. Serial No. 68,080. (No model.)

*To all whom it may concern:*

Be it known that I, OTIS WILLIAMS, a citizen of the United States, residing at St. Johnsville, in the county of Montgomery and State of New York, have invented certain new and useful Improvements in Sash Holders and Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has for its object to provide a simple and effective means for locking or fastening a window-sash in a closed position or securely holding the sash elevated at any desired height through the medium of a pressure-roller and a stop having an inclined bearing, whereby the sash when held closed or opened will be pressed tightly against the window frame or casing; and the purpose of the invention is to provide means whereby the position of the roller with relation to the inclined bearing of the stop may be changed or adjusted as circumstances require, as will be hereinafter described and claimed.

Figure 1 of the drawings is a perspective view of a car-window, showing my invention applied thereto; Fig. 2, a detail side elevation, on an enlarged scale, showing a portion of the window frame and sash, the stop having the inclined bearing and the adjustable support or bracket with pressure-roller connected thereto; Fig. 3, a detail sectional view taken on line 3 3 of Fig. 2; Fig. 4, a detail perspective view of the support or bracket with pressure-roller connected thereto.

In the accompanying drawings, A represents a window-frame, and B the sash thereof, and is shown as a car-window, although my invention is equally applicable to any slidable window sash, shutter, or other like object. The stop C is preferably shown as integral with the rod D and upon the upper end thereof, one of these stops with rod being upon either side of the window-frame and extending down to or near the sill thereof. The stop C is preferably shown in substantially the form of a wedge, having on one of its edges an inclined bearing *k*, by which said stop is operated to press against the window-sash when the inclined bearing is brought in

frictional contact with the pressure-roller, hereinafter described. The stops C may be raised or lowered by any suitable means found best adapted to the purpose, but preferably by a spring-actuated rod E, connecting with the rods D at their lower ends. In the present instance I have shown the rods D with suitable bearings *a* at their lower ends, with which engage the crank ends *b* of the spring-actuated rod E, said rod being held to the sill of the window-frame by clips *c* or by any other desirable means. A suitable coil-spring F connects with the rod E, and said rod has rigidly connected thereto suitable lever G for operating the rod, said lever having a latch end *d*, adapted to engage a keeper *e* on the lower cross-rail of the window-sash to lock the sash when closed.

In describing in detail the means employed for operating the stops C, I wish to be understood as not confining the invention thereto, as any suitable means may be employed to attain this end, and any suitable form of stop may be substituted for that shown that will act in conjunction with the pressure-roller H in holding the window closed or opened and at the same time press the sash against the window-frame.

The pressure-roller H may be of any suitable form, size, and of any preferred material, and to compensate for wear on the surface of the roller or inclined bearing *k* of the stops C, I provide means whereby the position of the roller may be changed with relation to the inclined bearing to bring it nearer the same. Many ways may be devised for attaining this object, and I will therefore show only one means as being both simple and practical, which consists in a rotatable support or bracket I, which carries the pressure-roller H, or, in other words, a bracket or support that may be moved upon its axis to bring the roller nearer to the inclined bearing. In the present instance this support or bracket has a flange or rim *h*, either plain or with teeth *f*, as shown in Fig. 4 of the drawings. The flange or rim or the teeth or spurs, as the case may be, is held against or in the wood of the window-frame by means of the screw *g*, the window-frame having a round or circular mortise *i* or a mortise to correspond with the form of the support or bracket, so that it will



be flush with the frame of the window, as shown in Fig. 3 of the drawings.

When it is desired to adjust the position of the pivoted pressure-roller *H* to bring it nearer  
5 the inclined bearing *k* of the stop *C*, the fastening-screw *g* is first loosened, which will allow the support or bracket *I* to be turned upon its axis, and by turning or tightening the screw the support or bracket will be held  
10 in its adjusted position and prevented from turning upon its axis, and when the stop is forced upward the roller coming in contact therewith forces the stop against the window-frame to hold the sash stationary.

15 Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A sash holder and fastener, comprising vertically-movable stops, a spring-actuated  
20 rod upon the sill or frame of the window connecting with the stops for operating the same, pressure-rollers adapted to operate in connection with the stops, and means for changing or adjusting the position of the rollers

with relation to the stops, substantially as 25 and for the purpose set forth.

2. In a sash holder and fastener, a vertically-movable stop, and a support or bracket and a pressure-roller connected thereto, said support or bracket being adjustably con- 30 nected to the frame of the window, substantially as and for the purpose described.

3. In a sash holder and fastener, a suitable support or bracket adjustably connected to each side of the window-frame, a pressure- 35 roller connected to the supports or brackets, and stops having rods, and a spring-actuated rod having crank ends and connecting with the ends of the rods of the stops for operating the same, substantially as and for the pur- 40 pose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

OTIS WILLIAMS.

Witnesses:

M. WILLIAMS,

CHARLES EIGENBRODT.