

J. STAUFFER.

Sash-Holder.

No. 167,949.

Patented Sept. 21, 1875.

Fig. 1.

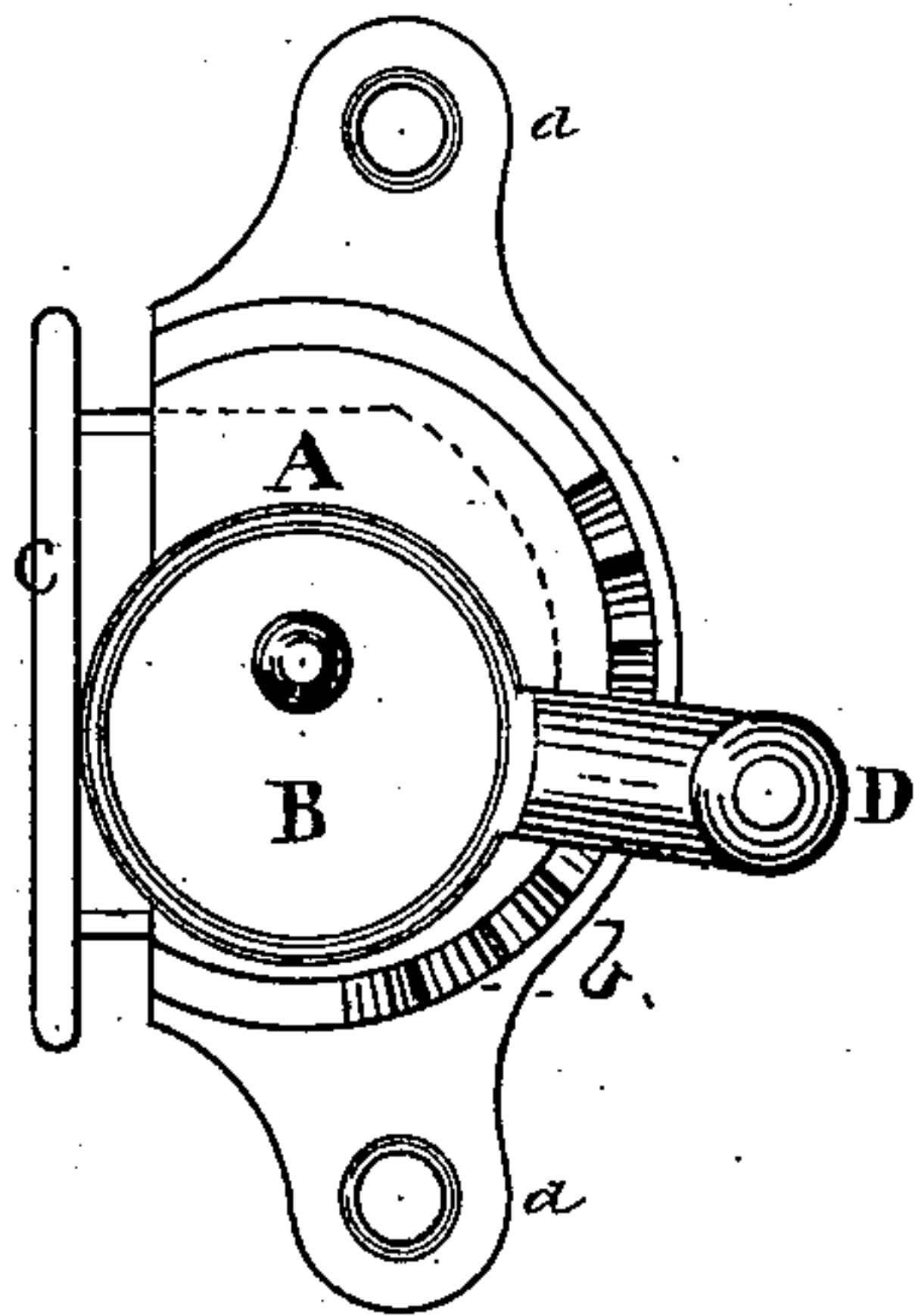


Fig. 5.

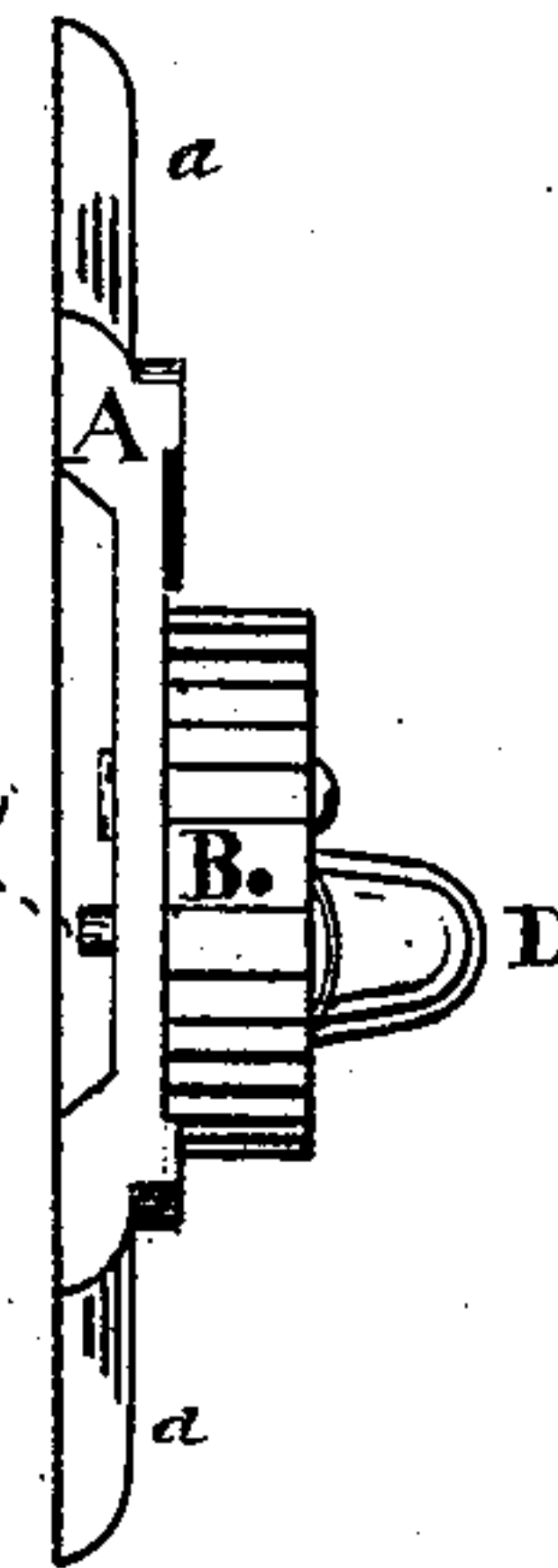


Fig. 2.

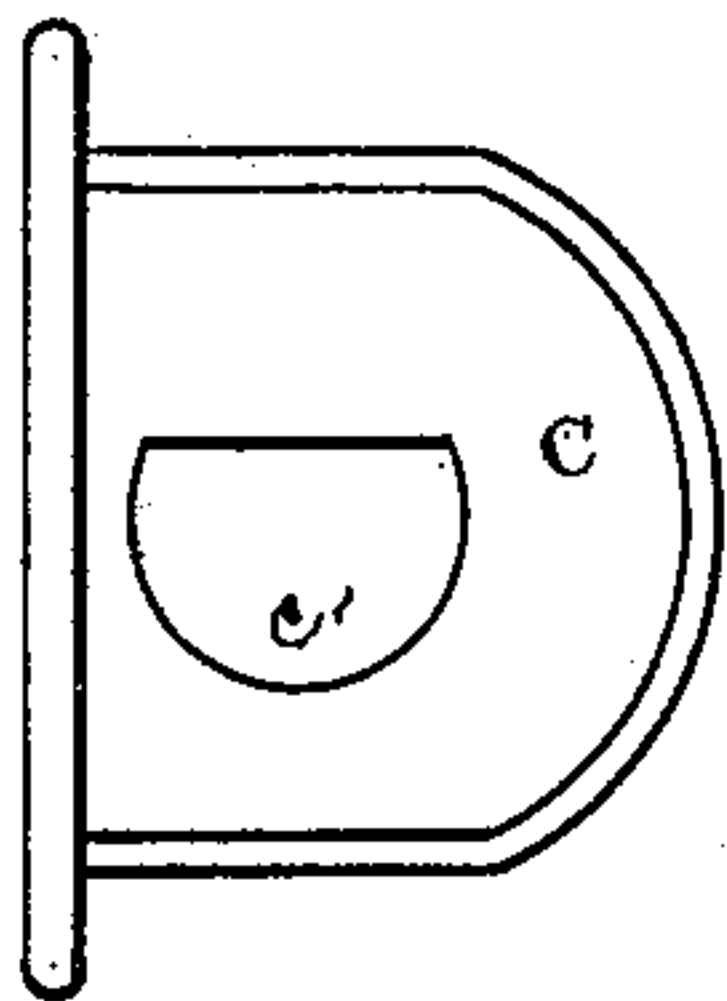


Fig. 6.

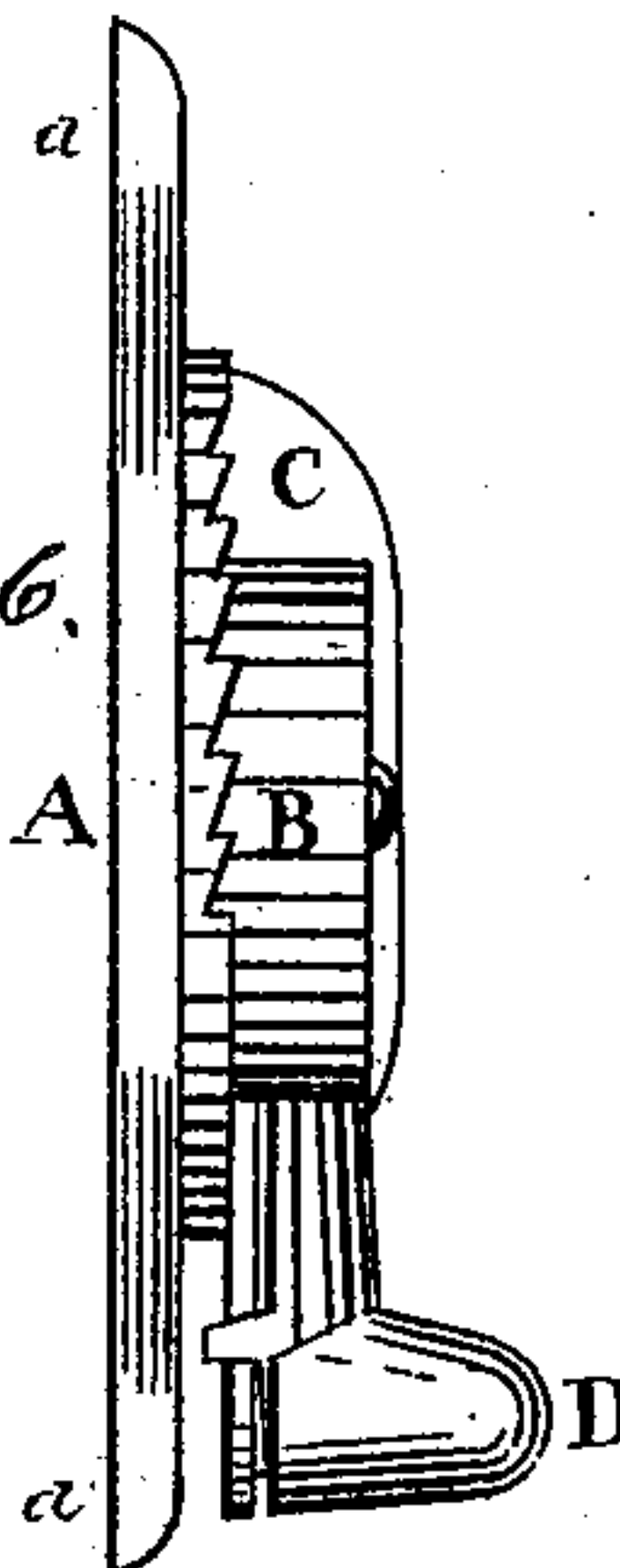


Fig. 3.

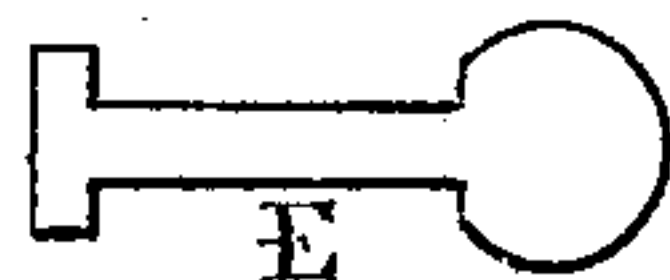
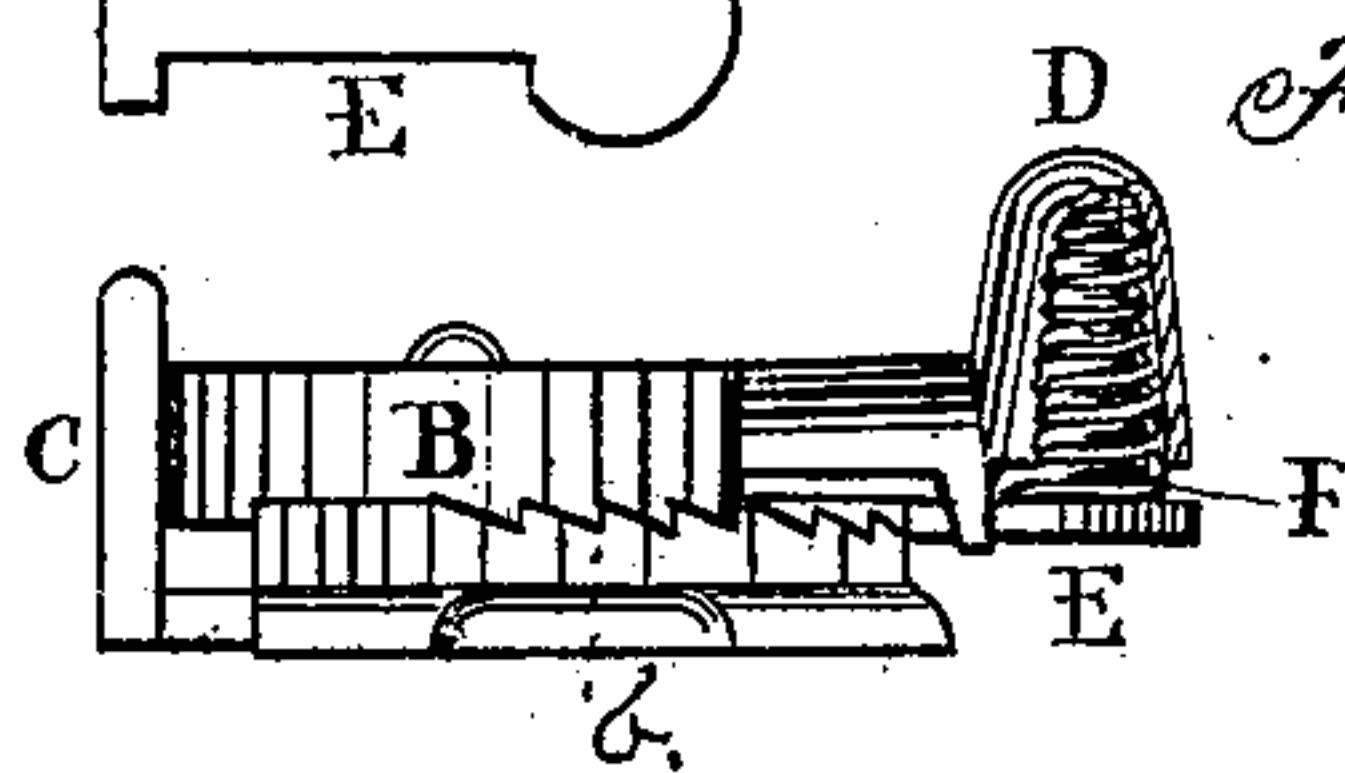


Fig. 4.



Witnesses.
William Gill
J. Richard Miller.

Inventor:
John Stauffer

UNITED STATES PATENT OFFICE.

JOHN STAUFFER, OF TORONTO, CANADA, ASSIGNOR TO THOMAS RICHARD FULLER, OF SAME PLACE.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. **167,949**, dated September 21, 1875; application filed July 16, 1875.

To all whom it may concern:

Be it known that I, JOHN STAUFFER, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, cabinet-maker, have invented certain new and useful Improvements on Sash-Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to those devices for fastening the sash of a window or door, or other structure on which it may be placed, at any required height, and at different heights, and is constructed with a provision for locking the sash when it is down, so that the sash aforesaid cannot be raised from the outside. A similar provision is also made to prevent the sash—as in the case of railroad-cars—from falling down from the jostling motion of the same.

My invention consists of a face-plate with a piece cut off from it, forming a flat side, and provided with ear-pieces for fastening to the sash. It is constructed with a segmental ratchet on its face, and with a recess underneath, in which an angular plate slides when acted upon by an eccentric disk, which is pivoted on the face of the aforesaid face-plate, and is operated by means of a handle and ratchet-bar, which bar is connected with the handle and the aforesaid eccentric disk.

When my device is tightened up so as to secure the sash at its lowest position, the sliding angular plate is situated directly under a stationary corresponding plate on the sash-frame, so that the sash cannot be lifted up from the outside. A similar plate prevents the sash from falling down when used in railroad-cars.

In the accompanying drawings the same letters of reference indicate the same parts in all the views and in this specification.

Figure 1 is a front view, showing the face-plate A. *a a* are ear-pieces, by which the device is fastened to the sash; *b*, the segmental ratchet formed on the face of the aforesaid face-plate; B, an eccentric disk, which is pivoted on the face-plate; C, an angular sliding plate, which slides in a recess in face-plate A. This angular plate C, by being pressed outward and in contact with the sash-frame H by means of the eccentric disk B, and secured in this position by the

ratchet-bar E and spring F, in handle D, constitutes the chief feature of my invention.

Fig. 2 is a detached front view of the angular sliding plate C, with groove *c'* for disk-pin *c''* for relieving the angular plate C from sash-frame.

Fig. 3 is a detached view of the ratchet-bar E, which is also pivoted on the face-plate A, in connection with the disk B, and pressed downward by the spiral spring F in knob D, and acting in the segmental ratchet *b*, secures the fastener thereby.

Fig. 4 is an end sectional view, showing face-plate A, eccentric disk B, angular plate C, knob D, ratchet-bar E, and spiral spring F.

Fig. 5 is an edge view, with angular plate C removed to show the other parts of the device.

Fig. 6 is an outside edge view, showing the face-plate A, eccentric disk B, angular plate C, and knob D.

It will now be observed from the drawings that when the knob D is moved downward the eccentric disk B will move out the angular plate C and press it tightly against the sash-frame, and that the ratchet-bar E, below the arm and knob D, will, by means of the spring F, be pressed downward, and engaging in the teeth of the ratchet *b*, thereby thoroughly securing the sash in position, and by pressing upward the ratchet-bar E the spiral spring F will be compressed in the knob D, and will consequently relieve the said ratchet-bar E from the segmental ratchet *b*, so that the knob D may now be moved backward, and, by means of the pin *c''* in disk B, draw back and relieve the angular plate C, the sash being now at liberty to be moved as may be required.

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

The face-plate A, as constructed with ear-pieces *a a* and segmental ratchet *b*, in combination with the eccentric disk B, having knob D, spiral spring F, ratchet-bar E, and pin *c''*; the angular plate C, having groove *c'* and stationary plate on sash-frame, as shown and described, and operating as set forth.

Witnesses: JOHN STAUFFER.

WILLIAM GILL,
T. RICHARD FULLER.