

(No Model.)

M. B. BURK.

WINDOW.

No. 352,181.

Patented Nov. 9, 1886.

Fig. 3.



Fig. 2.

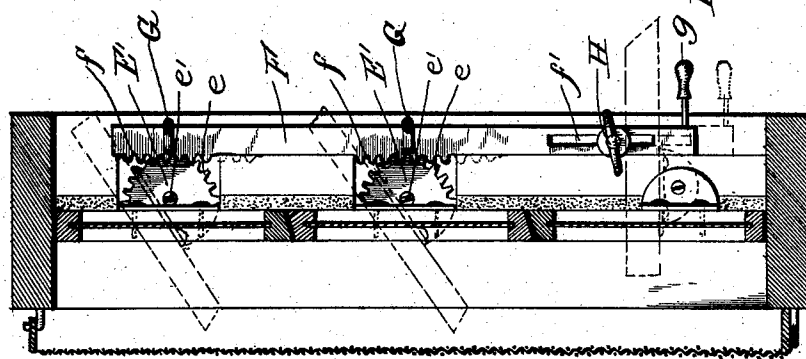
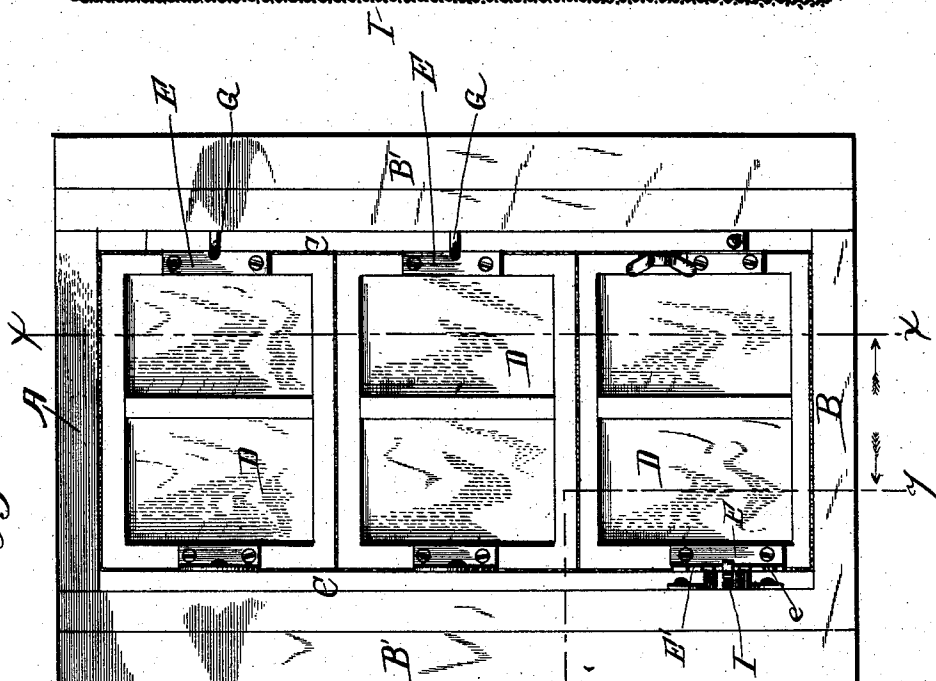


Fig. 1.



Witnesses

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# UNITED STATES PATENT OFFICE.

MARSHALL B. BURK, OF PRESCOTT, ASSIGNOR OF ONE-HALF TO GEORGE B. BAKER, OF DAYTON, WASHINGTON TERRITORY.

## WINDOW.

SPECIFICATION forming part of Letters Patent No. 352,181, dated November 9, 1886.

Application filed August 24, 1886. Serial No. 211,727. (No model.)

*To all whom it may concern:*

Be it known that I, MARSHALL B. BURK, a citizen of the United States, residing at Prescott, in the county of Walla Walla and Territory of Washington, have invented certain new and useful Improvements in Windows; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to windows; and the improvements consist in combining with the pivoted sashes novel means for actuating them and holding them in an adjusted position.

It also consists in the devices for pivoting the sashes, and the novel features more particularly to be described and claimed.

In the drawings, Figure 1 is a front view of a window of my construction provided with my improvements. Fig. 2 is a sectional view of the same on the line X X. Fig. 3 is a section of the lower sash on the line Y Y.

The window-frame is of usual construction, and comprises the top A, sill B, and sides B' and B'. The sides are provided with strips C, between which the sashes D are fitted. There may be as many of these sashes as desired, the number being immaterial to the spirit of my invention. It may be greater or less than that shown, which represents three sashes. They are pivoted by L-angled plates E, which are secured to the side rails of the sashes, and have the parts E' standing at right angles to the plane of the sashes and resting against the inner sides of the strips C, secured to said strips by pivots e'. The sides E' have their edges formed on the arc of a circle, of which the pivots e' are the centers. The edges may be serrated or provided with a series of teeth, e, to engage with corresponding teeth, f, on the inner side of an operating-rod, F. Said rod is used only to operate these sashes not within convenient reach. It is located alongside the edge of one of the strips C, and is held from

lateral displacement by keepers G, and has a vertical reciprocating movement. The lower end, which extends within convenient reach, is provided with a handle, g, and has a longitudinal slot, f', through which a set-screw, H, is passed and screwed into the frame for fastening the rod at any stage of its movement and holding the sashes at any desired adjustment. By moving the rod F up or down its teeth f, meshing with the teeth e on the sides E' of the plates, will move them about their pivots and carry the sashes with them till the required opening is obtained to secure the desired ventilation. All the sashes may be operated by the rod; but as it is desirable oftentimes to open the lower sash without having the upper ones disturbed, it is disconnected from the others, so as to be operated independently. It will be observed that the means—plates E—are the same as those used for swinging the sashes, and the edge of the side E' is provided with teeth e, which differ in form from the others; but this departure is only one of taste, and not one affecting the vital point of the improvement. The sash is swung or moved about its pivots by hand, and it is held at any adjustment by a spring-catch, I, secured to the frame, engaging the proper tooth on the part E' of the plate E. The adjacent rails of the sashes have their meeting edges beveled to permit a free movement, and said edges are cushioned by being covered with velvet, plush, or other yielding substance, so as to secure a tight or close joint which will exclude the air and dust. The sides of the sashes are similarly cushioned for a like purpose.

As the operating-rod is located on one side only, it is necessary that the plates adjacent be provided with toothed segmental sides E'. They may be larger than the plates on the opposite sides, so as to have an increased leverage.

The frame is protected by a wire screen, I, secured thereto by brackets near the upper corners and a staple at the bottom for excluding flies, &c., when the sashes are open.

Having thus described my invention, what I

claim, and desire to secure by Letters Patent,  
is—

5 The combination of the frame, a series of piv-  
oted sashes, and an operating-rod for actuating  
the upper sashes of the series, the lower sash  
being disconnected and independently adjust-  
able, substantially as and for the purpose de-  
scribed.

In testimony whereof I affix my signature in  
presence of two witnesses.

MARSHALL B. BURK.

Witnesses:

CHES F. MILLER,  
H. N. PRINGLE.