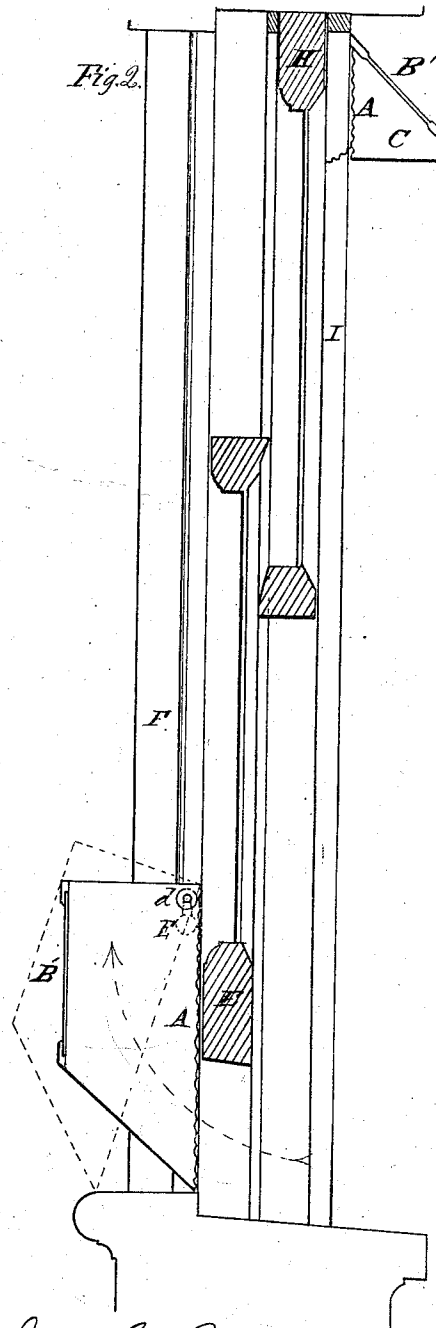
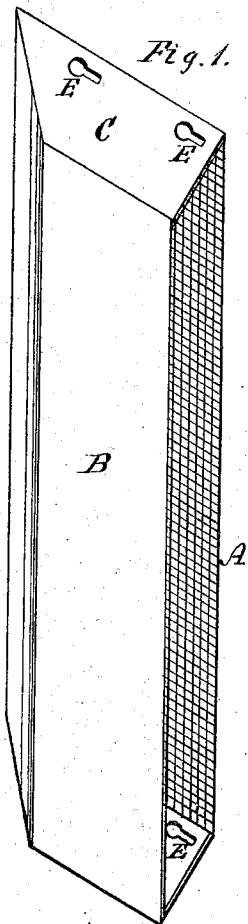


J. W. BROWNE.
Window Ventilators.

No. 150,463.

Patented May 5, 1874.



Witnesses
S. Emmesmann
Wm. Boyd.

James W. Browne
by Charles H. Smith
his Attorney

UNITED STATES PATENT OFFICE.

JAMES W. BROWNE, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN WINDOW-VENTILATORS.

Specification forming part of Letters Patent No. **150,463**, dated May 5, 1874; application filed February 6, 1874.

To all whom it may concern:

Be it known that I, JAMES W. BROWNE, of Brooklyn, Kings county, New York, have invented certain new and useful Improvements in Window-Ventilators, whereof the following is a specification:

The object of my invention is to produce a simple device for application to windows, in such a manner as to provide both a window-screen for the exclusion of insects, &c., and a ventilator capable of a graduated supply of air by simply raising or lowering the window-sash, and without interfering therewith. The nature of my invention consists in a wire or perforated screen combined with a deflecting-guard, and constructed and arranged for application to a window without interfering with the sash or its movement, but so that the rail of the sash may serve as a graduating-valve, whereby the amount of air admitted through the ventilator may be increased or diminished by simply raising or lowering the sash. The ventilator is also inserted in the window in a peculiar manner.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same.

Referring to the drawing hereto annexed, Figure 1 is a perspective view of the ventilator as it appears detached from the window. Fig. 2 represents a sectional view of a pair of sashes, showing the manner of applying and using the ventilator in connection with a window.

The ventilator, Fig. 1, may be applied to the upper or the lower sash, as indicated in Fig. 2. The vertical side A (shown in Fig. 2 as a waved line) is a perforated screen, preferably of wire-cloth. B is a deflecting-guard, to intercept the current of air entering the room, and direct it upward or downward, as

required. The ventilator usually has closed ends C, and is attached to the window by one or more button-eyes, E, which take over suitable buttons *d d*, Fig. 2, set in the stop-bead F, or other part of the window-casing. If only one button is used, the ventilator may be tilted at an angle, as indicated by dotted lines in said figure, so as to vary the direction of the current of air. The ordinary position is represented by the full lines, when thus arranged, the screen A being parallel with the movement of the sash in opening or closing. The amount of air to be admitted may be graduated by the bar E of the lower sash, and the bar H of the upper sash may be used for the same purpose, if desired, when the ventilator is applied to the upper sash. As shown in the drawing, the upper ventilator is seen applied to the outside of the stop-bead I. To avoid unnecessary obstruction of light I make the guard B wholly or partially of glass or other transparent substance, as represented at B'. No scale is given, as the dimensions will constantly vary.

I claim as my invention—

1. The window-ventilator herein described, constructed with a gauze-covered opening, A, arranged to be covered by the sash bar or rail, and regulated by the simple raising and lowering of the same, and with a deflector, B, to direct the draft, as described, substantially as herein specified.

2. The ventilator provided with button-eyes for attachment to suitable buttons affixed in the window frame or casing, whereby the ventilator is permitted to be set at various angles, for the purposes specified.

JAMES W. BROWNE.

Witnesses:

EARLE H. SMITH,
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