

(No Model.)

P. R. ADDOMS.

VENTILATOR.

No. 342,989.

Patented June 1, 1886.

Fig. 1.

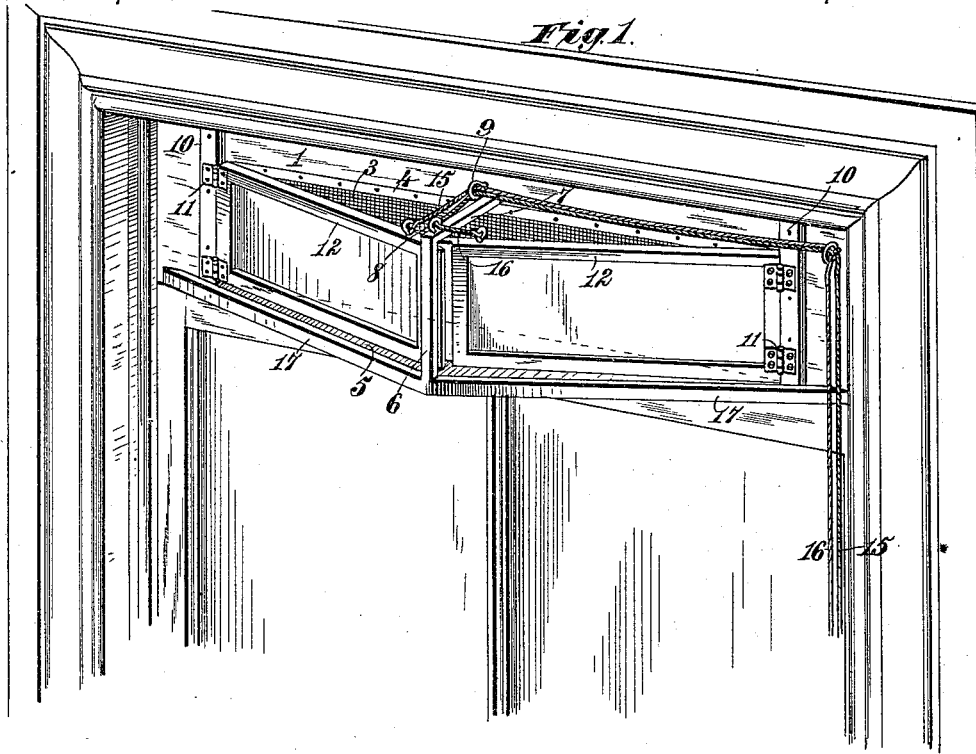


Fig. 2.

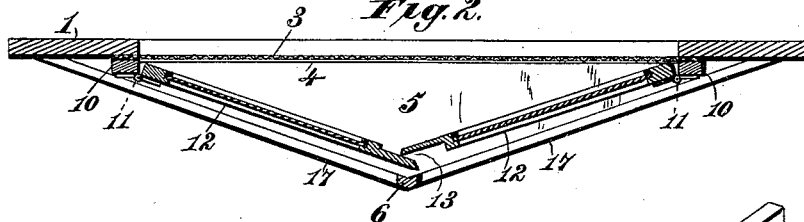
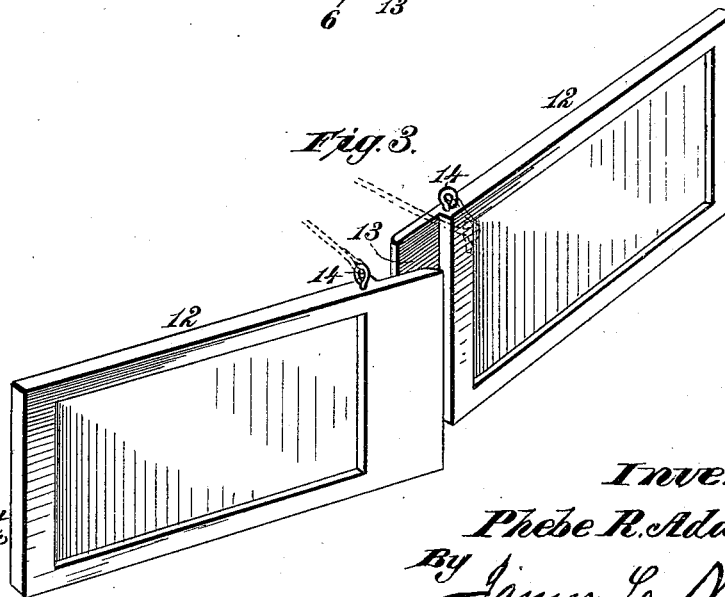


Fig. 3.



Witnesses.
Robert Everett,
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UNITED STATES PATENT OFFICE.

PHEBE ROSALIE ADDOMS, OF BROOKLYN, NEW YORK.

VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 342,989, dated June 1, 1886.

Application filed December 14, 1885. Serial No. 185,621. (No model.)

To all whom it may concern:

Be it known that I, PHEBE ROSALIE ADDOMS, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Ventilators, of which the following is a specification.

This invention relates to ventilators to be used between the top end of the upper sash and the top of the window-frame.

The objects of the invention are to provide novel means whereby the inflow of air-currents are caused to ascend and are prevented from directly descending upon the occupant or occupants of the apartment.

The invention also has for its objects to provide novel means for opening and closing the screen through which the air-currents enter, and to provide novel means whereby the ventilator can be made to fit window frames and sashes of varying widths.

The objects of my invention I accomplish by the construction and combination of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a perspective view of a portion of a window-frame, showing my ventilator applied thereto; Fig. 2, a central longitudinal sectional view of the ventilator, and Fig. 3 a perspective view of the hinged panels or doors detached from the screen-frame.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, where the numeral 1 indicates a rectangular board or frame having a central rectangular opening, over which is securely fastened the woven-wire screen 3, the attachment of the screen to the frame being accomplished by strips 4, fastened by nails or otherwise. The lower edge of the frame is provided with an inwardly-projecting imperforate shield, 5, which is approximately V-shaped in configuration. To the angle of the shield is attached a vertical rod, 6, connected at its upper end by a rod, 7, to the frame. An eye or pulley, 8, is attached to the upper portion of the rod 6, and a similar eye or pulley, 9, is secured to the frame, adjacent to the rod 7. The inside of the frame 1, at a distance from the ends

thereof, is provided with two vertical strips, 10, so as to leave considerable portions of the frame projecting beyond the said strips. To these strips are respectively hinged at 11 panels or doors 12, so as to swing laterally in a horizontal plane toward and from the screen of the frame. The adjacent ends of these panels or doors are rabbeted, as at 13, so as to overlap each other, and they are provided at their upper sides and near their adjacent ends with eyes 14, to which are secured two cords, 15 and 16, one cord, 16, passing from its attached end through the eye or pulley 8 to and through the eye or pulley 9 on the frame. The other cord, 15, simply passes from its attached end through the eye or pulley 9. By drawing on the cord 16 the two panels or doors will be swung outward away from the screen. If the cord 15 be now drawn, it moves both panels or doors toward the screen, these simultaneous swinging movements of the panels or doors being due to the adjacent ends thereof engaging or overlapping.

The manner of applying the ventilator is to lower the upper sash and place the rectangular frame in the opening, so that the top of the window-frame and the top of the upper sash will confine the ventilator in proper position. Bolts may be used as additional fastening devices, if desired. The ends of the board or frame 1 projecting beyond the hinged portions of the panels or doors enable me to fit the frame to windows of varying widths, as portions of said projecting ends can be easily cut off until the length of the frame is such as to correspond with the width of the window-frame. The shield at the lower edge of the board or frame and the panels or doors prevent the air-currents entering the screen and directly descending upon the person or persons occupying the room where the ventilator is used. I prefer the panels or doors to be constructed with panes of glass, but do not confine myself thereto, as any suitable panel or door can be employed.

Some of the parts of the ventilator may be of any material, such as glass, wood, papier-maché, or metal.

In order to limit the outward swinging movements of the panels or doors, I provide the outer edge of the V-shaped shield with rails

17 17, which rise above the upper surface of the shield, and against which the panels or doors will strike and be held against undue outward movement. These rails also provide
5 a tight joint where the panels are open to the full extent.

In the practical use of the ventilator the influx of the air-currents through the screen strike the panels or doors when the latter are
10 open, and are thereby deflected upwardly toward the ceiling, and the air-currents cannot pass downward by the provision of the imperforate bottom shield.

Having thus described my invention, what I
15 claim is—

1. A ventilator for use at the top of a window, consisting of a rectangular frame having a screen and an attached imperforate shield at its lower edge, two panels or doors having their
20 adjacent ends overlapped or engaged and pivoted to the frame to swing laterally in a horizontal plane above the shield, and cords and

eyes for simultaneously swinging the panels, substantially as described.

2. A ventilator for use at the top of a window, consisting of the rectangular frame having a screen and the imperforate bottom shield having stop-rails at its outer portion, and two panels or doors hinged to the frame to swing
laterally in a horizontal plane and limited in
30 their outward movement by the stop-rails on the shield, substantially as described.

3. The combination of the rectangular frame, the attached screen, and the horizontal bottom shield with two panels or doors hinged to the
35 inner side of the frame to swing laterally in a horizontal plane, substantially as described.

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

PHEBE ROSALIE ADDOMS.

Witnesses:

JOSEPH KELLY,
FRANKLYN KELLY.