No. 660,587. Patented Oct. 30, 1900.

J. K. PIERSON-HYSLOP.

WINDOW VENTILATOR.

(Application filed Apr. 6, 1899.)

(No Model.)

Fig. 1.

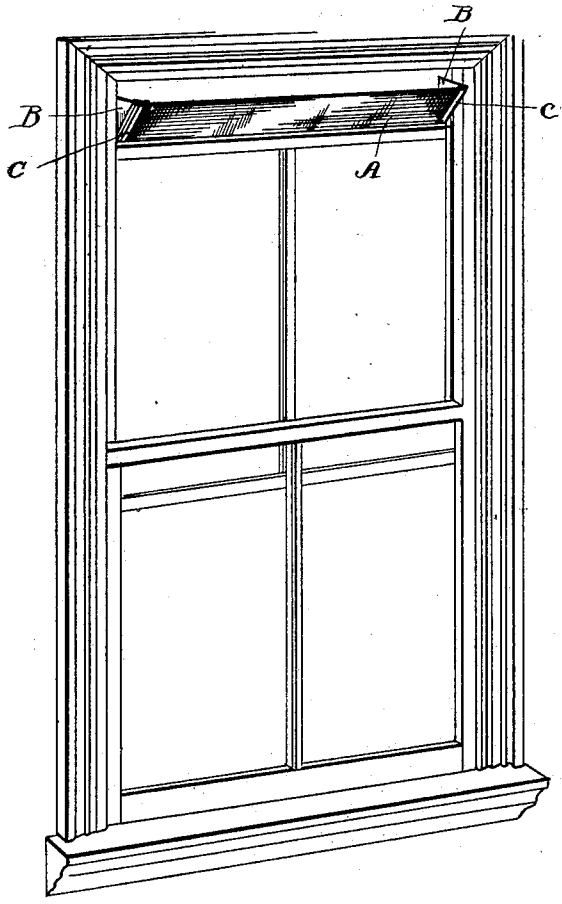
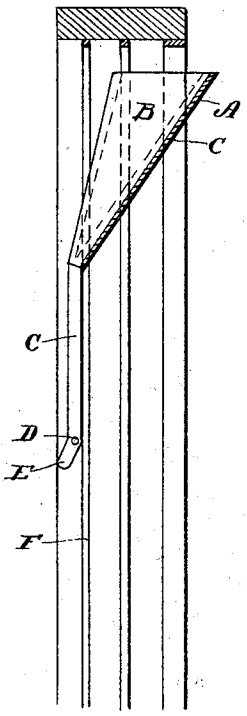


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN K. PIERSON-HYSLOP, OF PHILADELPHIA, PENNSYLVANIA.

WINDOW-VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 660,587, dated October 30, 1900.

Application filed April 6, 1899. Serial No. 711,980. (No model.)

To all whom it may concern:

Be it known that I, JOHN K. PIERSON-HYSLOP, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a certain new and useful Improvement in Ventilators, of which the following is a specification.

My invention relates to a new and useful improvement in ventilators for windows and the like, and has for one object to provide a simple, cheap, and effective device of this description which may be readily attached to an ordinary window-frame in such manner that it will automatically come into place when the upper sash is partially lowered, and therefore will permit a thorough ventilation of the room without directing a draft upon the occupants thereof, and especially those sitting near the window.

A further object of my invention is to avoid cutting off any portion of the light which would naturally pass through the window.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a window having my improved ventilator attached thereto, the upper sash being partly lowered so as to bring the ventilator into operative position; and Fig. 2, a section of a portion of a window-frame, likewise showing the ventilator in active position.

In carrying out my invention as here embodied I construct the ventilator of a section of glass A, which forms the front thereof, and two end pieces B, which may be either of glass or metal or other suitable material. The ventilator is attached to the arms C, and these in turn are pivoted at D to the window-casing outside of the upper sash, as clearly shown in Fig. 2, and in such a position that the ventilator rests against the outer surface of the upper sash when the latter is closed and rides in upon the top rail thereof when it is lowered, so as to bring it into active position, as clearly shown.

E shows stops which limit the outward movement of the ventilator when the sash is closed, as they bear against the retaining-stops F or the sash.

When it is desired to ventilate the room, it is only necessary to partially lower the upper sash, when the ventilator will come into proper position to permit a certain amount of air from the outside to flow into the room and at an angle which will prevent a draft being directed upon the occupants of the room, since the air thus entering will pass along the ceiling and gradually become heated in its descent toward the floor, and being thus diffused will not be felt in the form of a draft, while at the same time displacing the devitalized air upon the breathing-level. While this complete ventilation is had by my improvement, no light is obstructed, since the ventilator is made of glass, and therefore when in active position permits the same amount of light to pass into the room as when the upper sash is closed.

Another important feature of my invention is that when in use the ventilator in no wise interferes with the window, and, if desired, in warm weather it may be removed and stored for further use.

The cost of manufacture of a ventilator in accordance with my improvement is comparatively small, since there are no complicated parts connected therewith.

Having thus fully described my invention, what I claim as new and useful is—

1. A ventilator consisting of front and end sections, arms adapted to be pivoted to a window-casing, with the ventilator attached to their upper ends, the relative arrangement being such that the ventilator rests normally against the top of the sash and swings inward when the sash is lowered.

2. In combination, arms adapted to be pivoted to a window-casing, stops formed with the arms and a ventilator attached to the arms in such manner as to swing inwardly when the sash is lowered.

3. In combination, arms adapted to be piv-

oted to a window-casing, having stops at their lower ends below the pivots, a ventilator with front and end sections secured to the upper end of the arms at an angle, said arms and ventilator being so positioned as to cause the ventilator to rest normally on the window-sash and to move inward when the sash is lowered.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

J. K. PIERSON-HYSLOP.

Witnesses:
MARY E. HAMER,
E. H. FORSYTH.