

L. J. CARNEY.
VENTILATOR.

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950,995.

Patented Mar. 1, 1910.

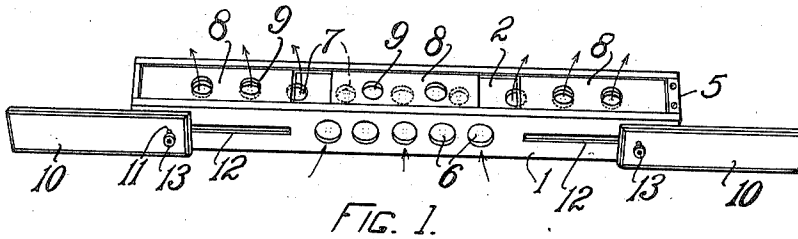


FIG. 1.

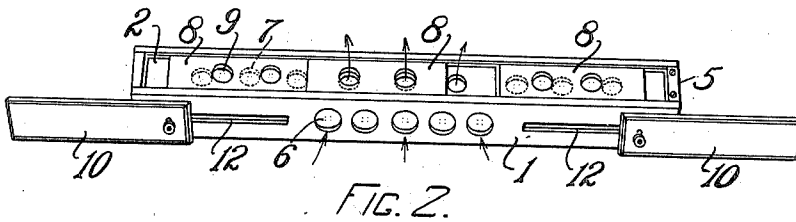


FIG. 2.

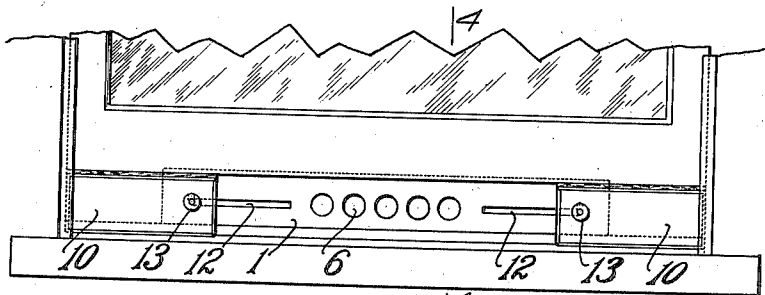


FIG. 3.

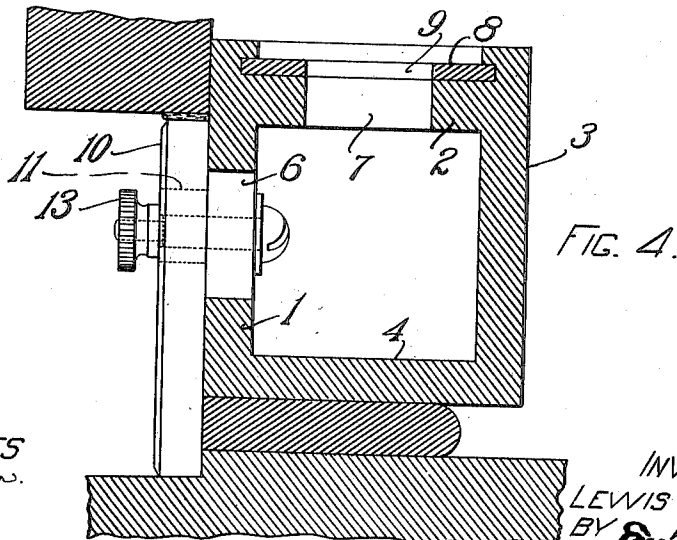


FIG. 4.

WITNESSES
Arthur P. Spear.
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INVENTOR
LEWIS J. CARNEY
BY *Arthur P. Spear*
ATTY.

UNITED STATES PATENT OFFICE.

LEWIS J. CARNEY, OF BOSTON, MASSACHUSETTS, ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF TO ROBERT CHAPMAN, JR., OF NEWTON, MASSACHUSETTS, AND ONE-HALF TO HOWARD T. CHAPMAN, OF SAYBROOK, CONNECTICUT.

VENTILATOR.

950,995.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed December 14, 1908. Serial No. 467,325.

To all whom it may concern:

Be it known that I, LEWIS J. CARNEY, a citizen of the United States, residing at Boston, county of Suffolk, Commonwealth of Massachusetts, have invented certain new and useful Improvements in Ventilators, of which the following is a specification.

This invention relates to ventilators and particularly to window ventilators. In devices of this sort it is of great importance that the ventilator be readily applied to windows of varying width without the necessity of exact measurements or close fitting requiring cutting or sawing on the spot. It is also desirable that such devices be positionable in the window so as to be held therein in such a way that no draft shall be permitted through cracks and so firmly adjusted to the window as to relieve the ventilator from the risk of being crushed or disabled by the descending sash.

To the end, therefore, of producing a ventilator which shall have these several advantages and possibilities I have devised my present ventilator in which I have included various features of structural advantage and improvement. All this will be more fully set forth and described in the specification which follows in which I have described a certain ventilator as illustrative of my invention and have shown the same in the drawings as an embodiment thereof.

Throughout the drawings and the description like reference numerals are employed to indicate corresponding parts and in the drawings:—

Figure 1 is a view showing the direct draft closed, Fig. 2 is a view showing the indirect draft closed and the direct draft opened, Fig. 3 is a front view of a portion of a window from without with the ventilator applied, and Fig. 4 is a side sectional view on the line 4—4, Fig. 1.

1 is the outside wall, 2 the top, 3 the inside wall, and 4 the bottom of a ventilator box which is closed by ends 5. In the outside wall 1 are air ports 6 grouped near the middle of the ventilator box and in the top 2 are nine ports 7 spaced along the entire distance. The upper edges of the sides 1 and 3 are extended and grooved at 1^a and 3^a to form a slide way in which work three slides 8 each pierced by a pair of ports 9. These ports are so arranged in the slides as

to make it possible to open the three central ports 7 or close these three and open either or both of the sets of 3 ports at each end, or to open all of the ports 7 at once. In this way it is possible to open the middle groups giving a direct draft or to close the middle group and open one or both end groups to secure an indirect draft or to open all to secure a full draft.

At each end of the ventilator box I provide a wing 10 of about the width of the box but attached to it so as to depend slightly below its lower edge. The wing is vertically slotted at 11 and is adjustably fastened by a bolt and thumbnut to the box through a horizontal slot 12 which permits its adjustment in two directions. In order to adjust the ventilator to a window, therefore, the thumbnuts at 13 are slackened and the wings pushed down until the ventilator box rests in the inside window sill and the bottom of the wings rest on the outer sill or ledge. This affords a firm seat for the ventilator box and a suitable rest for the wings 10 so that there is no danger of the box becoming displaced and crushed by a descending sash or of the wings 10 being sheared off by the closing of the window. Before the nuts 13 are set up the wings are slid out to an extended position in which they touch the sides of the casing so that the ventilator fills the window from run to run. I also find it desirable to felt the edges of my wings as shown at 10^a.

What I therefore claim and desire to secure by Letters Patent is:—

1. In a window ventilator a ventilating box having air passages therethrough and vertically adjustable lateral wings for receiving the sash.

2. In a window ventilator a ventilating box adapted to rest on a window sill within the line of the sash and having air passages therethrough, a prop vertically adjustable on the outer face of said box and adapted to be positioned with its lower edge against the outer sill in line with the sash to receive said sash and support it upon its upper edge.

3. In a window ventilator a ventilating box having air passages therethrough and lateral wings vertically and horizontally adjustable thereon.

4. In a window ventilator a ventilating

box and means adjustable relative thereto for supporting a sash when said box is in contact with a window sill.

5 5. In a window support a ventilating box, an intake port in its outside wall centrally of the ends thereof, ports in the top of said box arranged centrally and at each end thereof and means for closing said ports independently.

10 6. In a window ventilator a ventilating box having intake ports centrally arranged in its outer wall, a plurality of escape ports disposed throughout the length of another wall of the box and means for closing the 15 ports adjacent to said intake ports.

7. In a device of the class described, a ventilating sill-box adapted to be disposed inside of the line of the sash and a wing adjustably mounted on the outer face of said 20 ventilator for vertical or horizontal movement thereon and adapted to have its upper edge disposed below the top of said ventilator.

25 8. In a device of the class described, a ventilating sill-box adapted to be disposed inside of the line of the sash and a wing

adjustably mounted on the outside face of said ventilator for vertical or horizontal movement thereon and adapted to have its upper edge disposed below the top of said 30 ventilator and its lower edge adapted to engage the sill below the bottom of the sash.

9. In a window ventilator a ventilator box and means for supporting the sash, said 35 means being independent of said box and vertically adjustable thereto.

10. In a window ventilator, an inside sill-box and an outside flange piece vertically adjustable on said box to fit the thickness 40 of the window sill.

11. A device of the class described, comprising a ventilator box and means for securing a draft, directly or indirectly there- 45 through.

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

LEWIS J. CARNEY.

Witnesses:

R. B. ELLMS,
EDWARD N. GODING.