

E. STEPHANY.

VENTILATOR.

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987,504.

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Fig. 1.

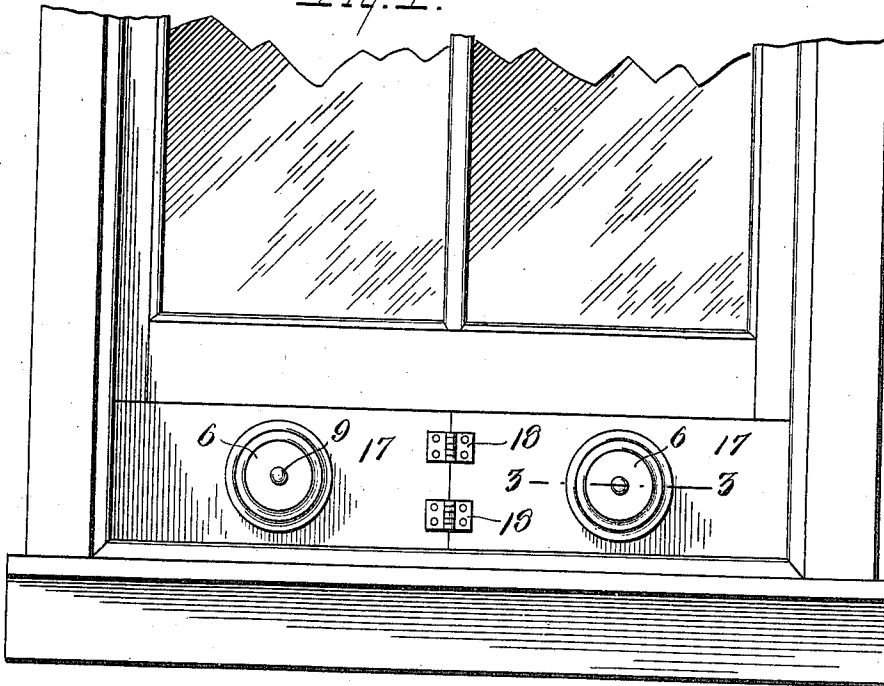


Fig. 2.

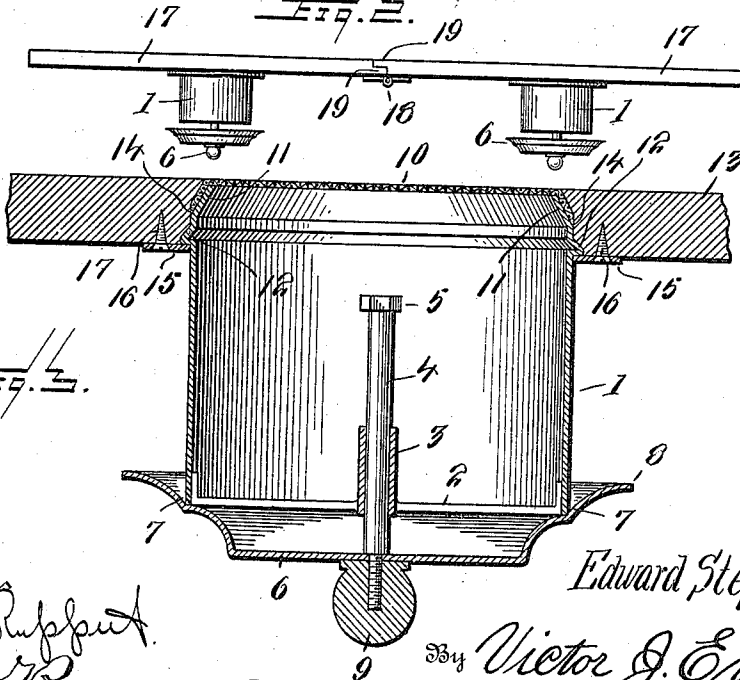


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD STEPHANY, OF ROCHESTER, NEW YORK.

VENTILATOR.

987,504.

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To all whom it may concern:

Be it known that I, EDWARD STEPHANY, a citizen of the United States of America, residing at Rochester, in the county of Monroe 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, and it has for its object to produce a simple and efficient ventilating device which may be effectively used in connection with the windows of houses, railroad cars and the like and for various other purposes.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claim.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the invention may be resorted to when desired.

In the drawing,—Figure 1 is an elevation of a portion of a window frame showing the ventilating device applied in position for operation. Fig. 2 is a top plan view, showing the ventilating device removed from the window frame. Fig. 3 is a sectional view, enlarged, taken on the plane indicated by the line 3—3 in Fig. 1.

Corresponding parts in the several figures are denoted by like characters of reference.

Referring to the drawing, 1 designates a sleeve or casing which may be cylindrical, as shown in the drawing, or it may be of any desired contour in cross section. Said sleeve or casing is provided adjacent to one end, which, for convenience will be designated the inner end, with a cross bar 2 having an eye or opening surrounded by a sleeve or collar 3 in which a stem 4 is longitudinally slidable, said stem carrying at one end a limiting nut or stop 5 and at the other end a hood 6 which constitutes a closure for the inner end of the casing 1, said hood or cap having an offset 7 affording the seat for the inner end of the casing which may thus be tightly closed or obstructed. The hood or cap 6 is of such dimensions that it will form a flange 8 extending or projecting circumfer-

entially around the casing 1. A knob or handle 9 is provided, the same having threaded connection with a reduced portion of the stem 4 which extends through the hood or cap 6.

The outer end of the casing 1 is obstructed by a strainer 10 formed of fine wire netting or other suitable material, said strainer being preferably seated upon a beveled portion forming an inturned flange 11 at the outer end of the casing where, if desired, it may be secured by solder or other suitable means, although this is not essential. A stop bead 12 is formed circumferentially upon the casing 1 adjacent to the beveled portion and upon which the strainer is seated.

A baseboard 13 is provided with an opening 14 of appropriate shape to receive the outer extremity of the casing including the beveled portion 11 and the bead 12, the portion of the strainer which is in engagement with the beveled portion 11 being clamped between the latter and the baseboard, as will be clearly seen in Fig. 3. It will be readily seen that the strainer member being thus securely held and clamped, there is no urgent necessity for independently securing the same upon the strainer casing, the construction shown enabling the strainer to be removed and conveniently renewed when desired. An annular washer member 15 surrounding the casing and secured upon the baseboard 13 by fastening means such as screws 16 engages the bead 12, thus securing the casing firmly upon the baseboard.

In the form of the invention illustrated in Figs. 1 and 2, two baseboards here designated 17 have been connected together by means of hinges 18, said baseboards being provided at their meeting edges with interengaging flanges 19 to form a tight joint. A ventilator casing 1 of the construction shown in Fig. 3 has been mounted upon each baseboard 17. By this construction the improved ventilating device may be readily applied to an ordinary window frame below the bottom sash, the ends of the baseboards being readily inserted between the stop beads, thus affording a ventilating device which may be readily placed in position or removed when desired and which is especially applicable to the windows of houses, railroad cars and the like. A baseboard, however, may be permanently connected with the window frame or casing, said baseboard

carrying one or more ventilators, as may be desired. Again, the improved ventilator may be applied directly to the wall of a house or other structure, such wall being regarded as constituting the baseboard upon which the ventilator casing is mounted, substantially as shown in Fig. 3.

From the foregoing description, taken in connection with the drawing hereto annexed, the operation and advantages of this invention will be readily understood. By simply pulling the stem 4 carrying the hood or cap 6 in a forward direction, the air entering through the strainer will be deflected against the hood or cap and will thus enter the apartment or car with which the device is connected without possibility of creating an unpleasant draft. The amount of ventilation may be readily regulated by the position of

the hood or cap, and the device is simple, efficient and inexpensive.

Having thus described the invention, what is claimed as new, is:—

In a ventilating device, a baseboard having an opening, a casing having a beveled end and a stop bead engaging the opening, a strainer clamped between the casing and the baseboard, an annular washer secured upon the baseboard in engagement with the bead of the casing to retain the latter, and a slidably supported hood or cap to obstruct the inner end of the casing.

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

EDWARD STEPHANY.

Witnesses:

JOHN J. APPEL,
ANNA STEPHANY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
