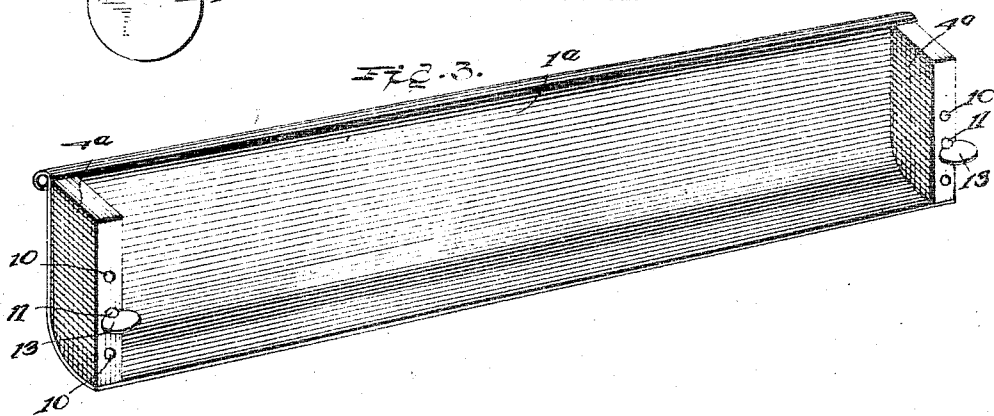
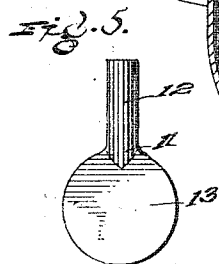
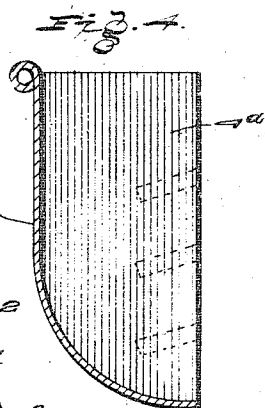
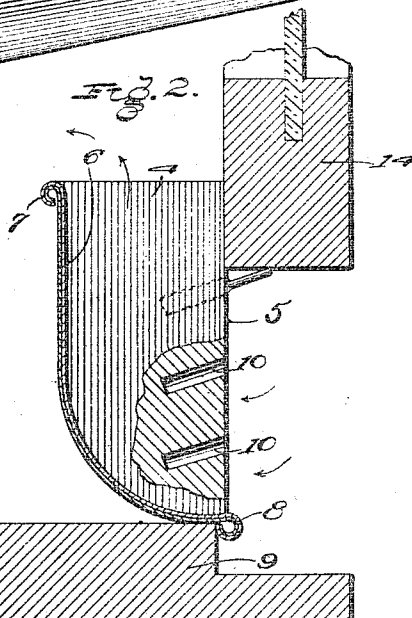
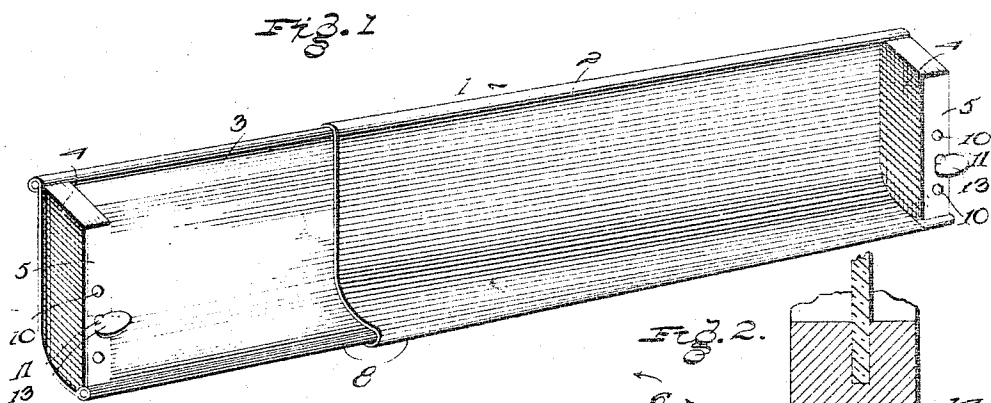


E. ESENDER.
WINDOW VENTILATOR.
APPLICATION FILED DEC. 21, 1910.

995,237.

Patented June 13, 1911.



WITNESSES

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WINDOW-VENTILATOR.

995,237.

Specification of Letters Patent. Patented June 13, 1911.

Application filed December 21, 1910. Serial No. 598,499.

To all whom it may concern:

Be it known that I, EDWARD ESENDER, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Window-Ventilators, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to window ventilators and has for its object the production of a ventilator which may be attached to a window in such a manner as to regulate the amount of fresh air which is desired to be admitted into a room.

Another object of this invention is the production of a ventilator which is simple in construction, efficient in operation, and consists of a comparatively small number of parts.

With these and other objects in view, this invention consists of certain novel constructions, combinations, and arrangements of parts as will be hereinafter fully described and claimed.

Of course, the invention is susceptible of changes in detail construction as fall within the scope of the appended claim.

In the drawings Figure 1 is a perspective view of the preferred form of the present invention. Fig. 2 is a transverse sectional view of the form of the ventilator as illustrated in Fig. 1 applied in actual operation. Fig. 3 is a perspective view of the modified form of my invention, wherein the body portion of the ventilator is formed in one piece. Fig. 4 is a transverse sectional view of the modified form of the ventilator as illustrated in Fig. 3. Fig. 5 is a plan view of the rest pin used in connection with the present invention.

Referring to the drawings by numerals, 1 designates a body which consists of a primary section 2 which is slidably mounted upon the auxiliary section 3. Each of the sections of the body carries at one end an end member 4 which end member 4 is provided with a flat outer face 5, and a body engaging face 6 which extends parallel with the outer face 5 for a portion of its length, but is curved inwardly at its lower end. The body 1 is formed so as to conform with the shape of the face 6 of the end members 4, and by referring to Fig. 2 of the drawing, it will be obvious that as the air enters the ventilator in the direction indicated by the

arrows, the air will strike the body 1 of the ventilator and be deflected upwardly thereby preventing any direct draft from entering through the ventilator. In this manner a complete circulation of fresh air will be created in the room without the danger of any draft. The sections 2 and 3 are each provided with an upper and lower roller portions 7 and 8 respectively, and the lower rolled portion 8 is adapted to engage the sill 9 and through the medium of the rest pins and window sash as hereinafter described, the ventilator will be firmly held in place.

The end members 4 are provided upon their outer faces with downwardly inclined sockets 10 which are adapted to receive the shank portions 12 of the rest pins 11. The rest pins 11 are provided with flattened heads 13 for receiving the lower end of the sash 14. It will be obvious that since the sockets 10 are downwardly inclined thereby having the heads 13 of the rest pins extending upwardly a good clamping action will be obtained between the heads 13 of the socket pins and the upper end of the face 5 of the end members 4. The bead or rolled portion 8 will also clamp the sill 9 and be firmly held in place through the medium of the pins 11 as previously described.

In the form as illustrated in Figs. 1 and 2 by means of the adjustable body 1, the ventilator can be adjusted to different width windows.

In Figs. 3 and 4 I have illustrated a modified form of my invention, wherein the body portion 1^a consists of one piece and this form is adapted to be used in connection with very wide windows. It will also be obvious that the modified form will be very cheap to construct as is also the case with the form as illustrated in Figs. 1 and 2 and it should be borne in mind that the same features are common to the present embodiment as that illustrated in Figs. 1 and 2. The end members 4^a are of the same construction as illustrated and described in the other embodiment and the ventilator will be firmly held in place by means of the clamping action between the lower edge of the sash and the side thereof, in view of the fact that the lower edge of the sash will be engaged by the outer end of the pins 11, and the side of the sash will be clamped against the outer faces of the end members 4^a.

It will be obvious that when it is desired to only admit a small amount of air into the room, the rest pins may be removed from the upper socket as illustrated in Fig. 2 and placed in the lower socket, and the sash lowered to this position. Of course, the pins 11 may be placed in any of these sockets and it should be understood that the present application is not limited to any special number as any desired number of sockets may be used.

It should be understood that the present invention is specially adaptable to sleeping rooms and in view of the fact that the ventilator is placed so as to extend within the room and does not extend outside of the window, the same will be protected against the weather. It should also be understood that the present invention may be used in places other than sleeping rooms as for instance,

offices, halls, churches, work rooms, and the like.

When considering Fig. 3 of the drawing, it will be obvious that the body portion 1^a is, like the form disclosed in Fig. 1, provided with a rolled portion extending along the top thereof.

What I claim is:—

A window ventilator comprising a body, end pieces therefor provided with straight rear faces, said rear faces being provided with vertical rows of inclined sockets, and window supporting pins for selective engagement with said sockets.

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

EDWARD ESENDER.

Witnesses:

WM. H. PILSON,
GEORGE W. CURTIS.