

VENTILATOR.

925,144.

Patented June 15, 1909.

Fig. 1

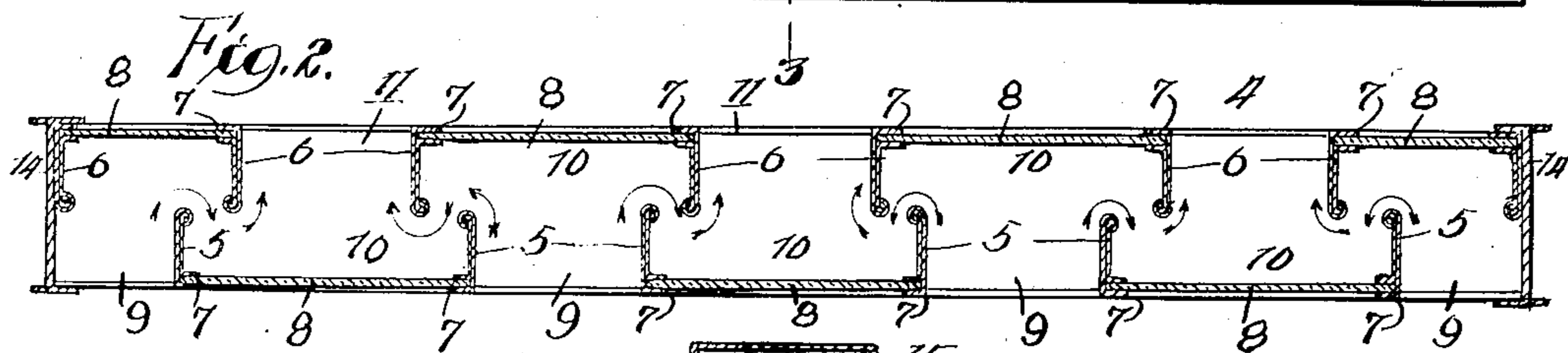
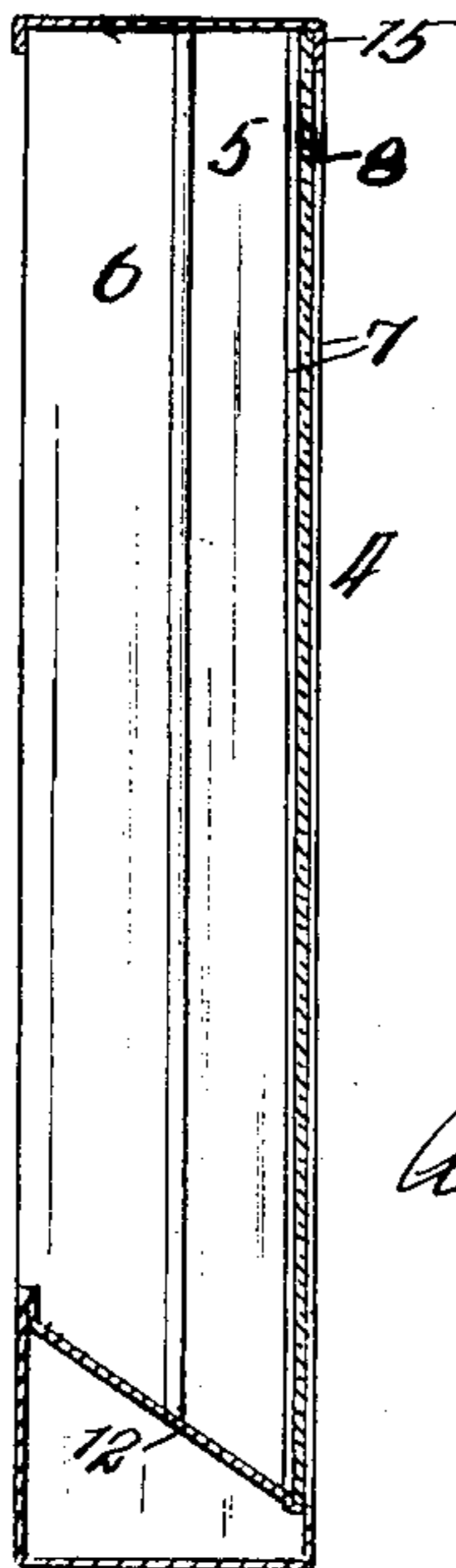


Fig. 3.



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# UNITED STATES PATENT OFFICE.

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## VENTILATOR.

No. 925,144.

Specification of Letters Patent.

Patented June 15, 1909.

Application filed September 3, 1908. Serial No. 451,537.

*To all whom it may concern:*

Be it known that I, ABRAHAM DEXTER WARD, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Ventilators, of which the following is a specification.

This invention relates to an improved ventilator, and has for its object to provide a construction which will permit a free circulation of air within the room without creating any direct drafts, the current of air being regulated by adjusting the window.

Another object is to provide a construction which will be comparatively simple, economical and durable, and at the same time will eliminate the dust and other atmospheric impurities as well as snow and rain.

The invention consists in the features of construction and combination of parts hereinafter described and claimed.

In the drawings Figure 1 is a vertical sectional elevation of this improved ventilator; Fig. 2 is a top or plan view of the ventilator with the cap or cover removed therefrom; and Fig. 3 a transverse section taken on line 3—3 of Fig. 1.

This improved ventilator is adapted to rest upon the lower sill or base of the window frame, the side walls thereof contacting the window frame; and for ordinary use the ventilator extends upwardly from the window base, usually from twelve to thirty-six inches, as desired.

The frame 4 of the ventilator is usually, as indicated in Fig. 1, of a rectangular formation and made of metal. The ventilator frame comprises a series of alternately arranged baffle or deflecting plates 5 and 6, respectively secured to the opposite sides of the frame, and extend inwardly substantially to the center thereof, said deflecting or baffle plates having flanged edges 7 for engaging and retaining movable glass sections 8. As best shown in Fig. 2, these movable glass sections 8 are positioned in staggered relation with respect to one another upon both sides of the ventilator frame, for the purpose of permitting the inflowing fresh air to be admitted through the openings 9 on the outer side or face of the ventilator frame, and to travel inwardly, the current or

draft thereof being eliminated by reason of the glass sections on the opposite side of the frame, will tend to divert and direct the inflowing air into the contiguous air chambers 10, from which the air is permitted to quietly flow through the outlet passages 11 into the room.

A diagonally positioned plate 12 is arranged lengthwise along the bottom of the ventilator frame, as indicated in Fig. 3, its upper edge being secured to the inner side wall of the ventilator frame for the purpose of shedding rain, snow, sleet and dust; and the outer side walls 14 of the ventilator frame are flanged so as to snugly abut against the side strips of the window frame. If desired, rubber strips may be inserted along the outer edge of the side walls of the ventilator frame for effectually keeping out moisture, rain and drafts. A flanged cap or cover 15 is secured upon the ventilator frame after the movable glass sections are set in place.

What I claim as new and desire to secure by Letters Patent is:

1. In a ventilator, a frame, a series of flanged walls arranged on opposite sides of the frame and in staggered relation with respect to one another, and a plurality of removable transparent baffle plates positioned within the flanged walls for directing the flow and travel of the admitted air, substantially as described.

2. In a ventilator, a frame, a series of flanged walls arranged on opposite sides of the frame and in staggered relation with respect to one another, a plurality of removable transparent baffle plates normally positioned within the flanged walls, and a cover adapted to be secured upon the top of the ventilator frame when the baffle plates are secured therein for retaining the same in place, substantially as described.

3. In a ventilator, a frame, a series of flanged walls arranged on opposite sides of the frame and in staggered relation with respect to one another, an outwardly inclined frame base for shedding water, snow and dirt, and a plurality of removable glass baffle plates positioned within the flanged frame walls, substantially as described.

4. In a ventilator, a frame, a series of flanged walls arranged on opposite sides of

the frame and in staggered relation with respect to one another, an outwardly inclined frame base for shedding water, snow and dirt, a plurality of removable glass baffle  
5 plates positioned within the flanged frame walls, and a cover adapted to be secured upon the top of the ventilator frame when the baf-

le plates are secured therein for retaining the same in place, substantially as described.

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Witnesses:

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