

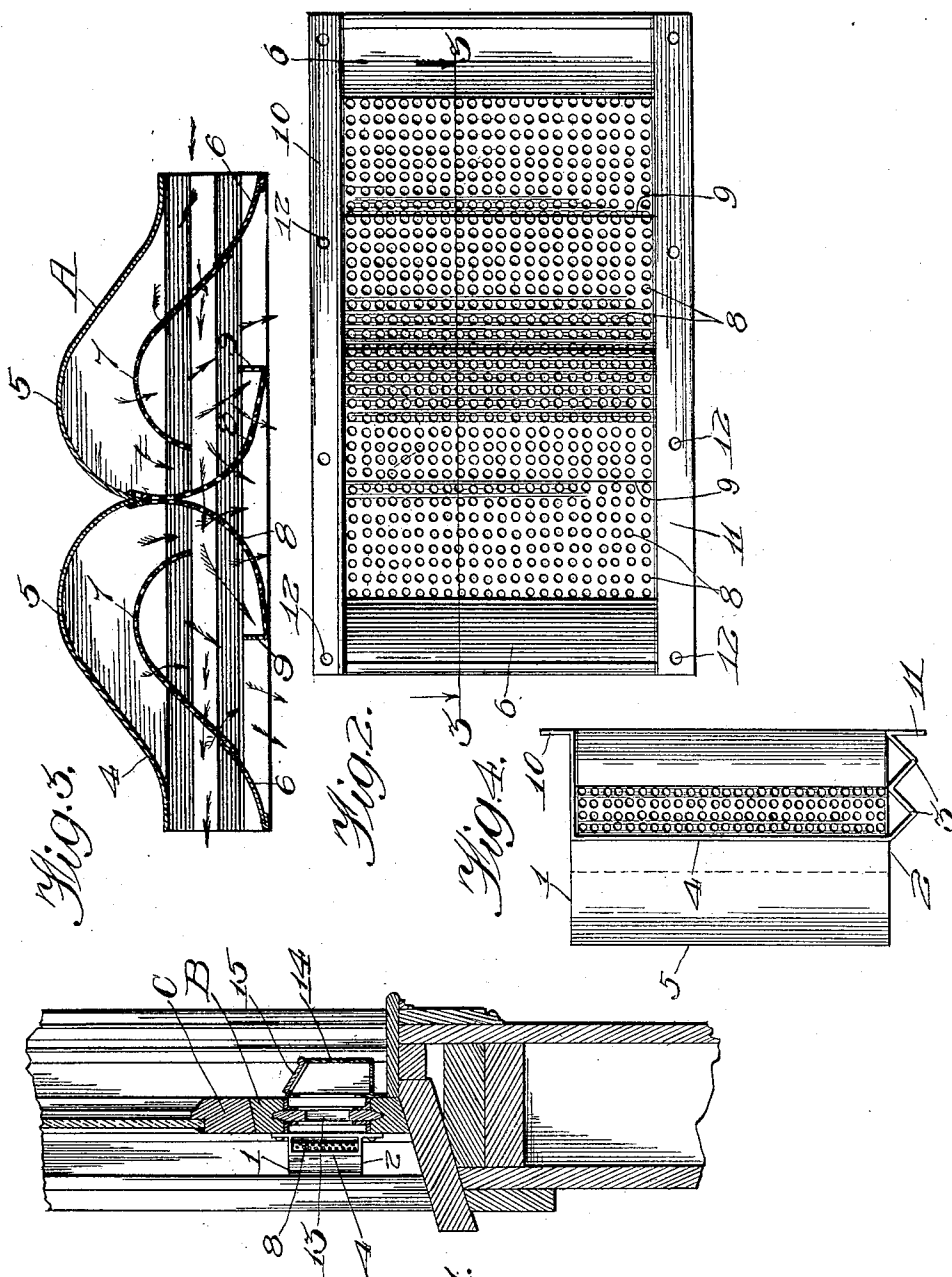
No. 814,651.

PATENTED MAR. 6, 1906.

J. L. HARRINGTON & S. C. HODGE.

VENTILATOR.

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Witnesses:
S. V. Dumas.
Robert J. Wier

Inventor:
Joseph L. Harrington:
Schuyler C. Hodge.
by: A. Miller Esq. Att'y.

UNITED STATES PATENT OFFICE.

JOSEPH L. HARRINGTON, OF CHICAGO, ILLINOIS, AND SCHUYLER C. HODGE, OF MILWAUKEE, WISCONSIN; SAID HODGE ASSIGNOR TO SAID HARRINGTON.

VENTILATOR.

No. 814,651.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed March 14, 1905. Serial No. 250,062.

To all whom it may concern:

Be it known that we, JOSEPH L. HARRINGTON, residing at Chicago, in the county of Cook and State of Illinois, and SCHUYLER C. HODGE, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, citizens of the United States, have invented a certain new and useful Improvement in Ventilators, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

Our invention relates to ventilators, and especially to ventilators particularly adapted for use for admitting air to a room; compartment, car, or the like.

Prominent objects of our invention are to provide a simple, practical, and durable form of ventilator; to arrange for the entry of the air into the room or car without undue draft or current; to free the air entirely from dust, dirt, and the like before entry; to arrange for the collection and easy removal of such dust and dirt, and to accomplish the foregoing and other desirable results in a simple and expeditious manner.

In the accompanying drawings, Figure 1 is a view of a portion of a window and sash, an adjoining wall, and a ventilator arranged in connection therewith embodying our invention. Fig. 2 is a view of the ventilator looking at the same from the inside. Fig. 3 is a horizontal section taken on line 3 3 in Fig. 2, and Fig. 4 is an end view of the same.

The ventilator shown in the drawings for carrying out our invention comprises a casing A, having a flat top 1, a bottom 2, a part of which is provided with corrugations 3, and an outer wall 4, made in the form of a double reverse curve, as shown in Fig. 3, so that the space within the casing is narrowest at its ends and thickest or widest at points 5 5 on opposite sides of a point midway between the ends. Within the casing A and at the ends thereof are vertically-disposed imperforate wall sections or wings 6 6, from the inner edges of which extend partitions 7 7, made of perforated material and curved to correspond substantially with the back or outer wall 4. Within the casing A are also partitions 8 8, also made of perforated material and extended forwardly and outwardly in a curved manner from the middle point of the

wall 4, at which the two reverse curves meet. The partitions 8 8 are provided with inturned or backwardly-turned ends 9 9. The front edges of the top 1 and bottom 2 are provided with flanges 10 and 11, having apertures 12 12 for screws or nails. The device thus constructed is arranged for use in connection with a window, as shown in Fig. 1. To such end it is attached to a frame B, of well-known form, which is arranged to set in under the window-sash C between the same and the sill. This frame has an aperture 13 and is provided on its inner side—that is, the side which is to be within the compartment, room, or car—with a box 14, having a cover 15, which can be opened or closed.

By such arrangement the cover 15 of the box 14 can be opened or closed, as it is desired to have air enter the room or car through the ventilator or not. The air outside of the window can enter the ventilator by way of one or both of its open ends and will circulate or pass through the same, as shown by the arrows in Fig. 3. Some of it will pass through the perforated partition 7 and thence out of the ventilator-wall. Other parts of it will pass around the passage formed between the partition 7 and the back wall 4 and then either through the partition 8 or between the partition 7 and partition 8 and out around the end of the latter. Thus the air coming out of the ventilator will be distributed or diffused and will be much less liable to cause drafts and undesirable air-currents. The backwardly-turned ends 9 9 of the partitions 8 serve to catch any dust that might possibly tend to enter the room by passing along the partitions 9. The corrugated bottom serves to collect the dust and effectually prevent it from passing from the device into the room.

It will be understood that changes and modifications can be made in the device herein set forth without departing from the spirit of our invention.

What we claim is—

1. A ventilator comprising a casing having an outer wall and side openings, partitions made of perforated material and forming air-passages, and other perforated partitions extending inwardly from said outer wall.

2. A ventilator comprising a casing having an outer wall with rearwardly - extending

curved portions, and having side openings, and partitions made of perforated material, located in said casing, two of said partitions being curved to correspond to the outer wall
5 of said casing, the two others being curved outwardly from the middle of the casing at which point they are connected with said outer wall.

3. A ventilator comprising a casing having
10 an outer wall with rearwardly - extending curved portions, and having side openings, and partitions made of perforated material, located in said casing, two of said partitions being curved to correspond to the outer wall
15 of said casing, the two others being curved outwardly from the middle of the casing at which point they are connected with said

outer wall, said central partitions being provided with backwardly-turned ends.

4. A ventilator, comprising a casing hav- 20
ing an outer wall and side openings, partitions made of perforated material and forming air-passages, other perforated partitions extending inwardly from said outer wall, and a longitudinally-corrugated bottom for said 25 casing.

In witness whereof we hereunto subscribe our names this 22d day of February, A. D. 1905.

JOSEPH L. HARRINGTON.
SCHUYLER C. HODGE.

Witnesses:

A. MILLER BELFIELD,
I. C. LEE.