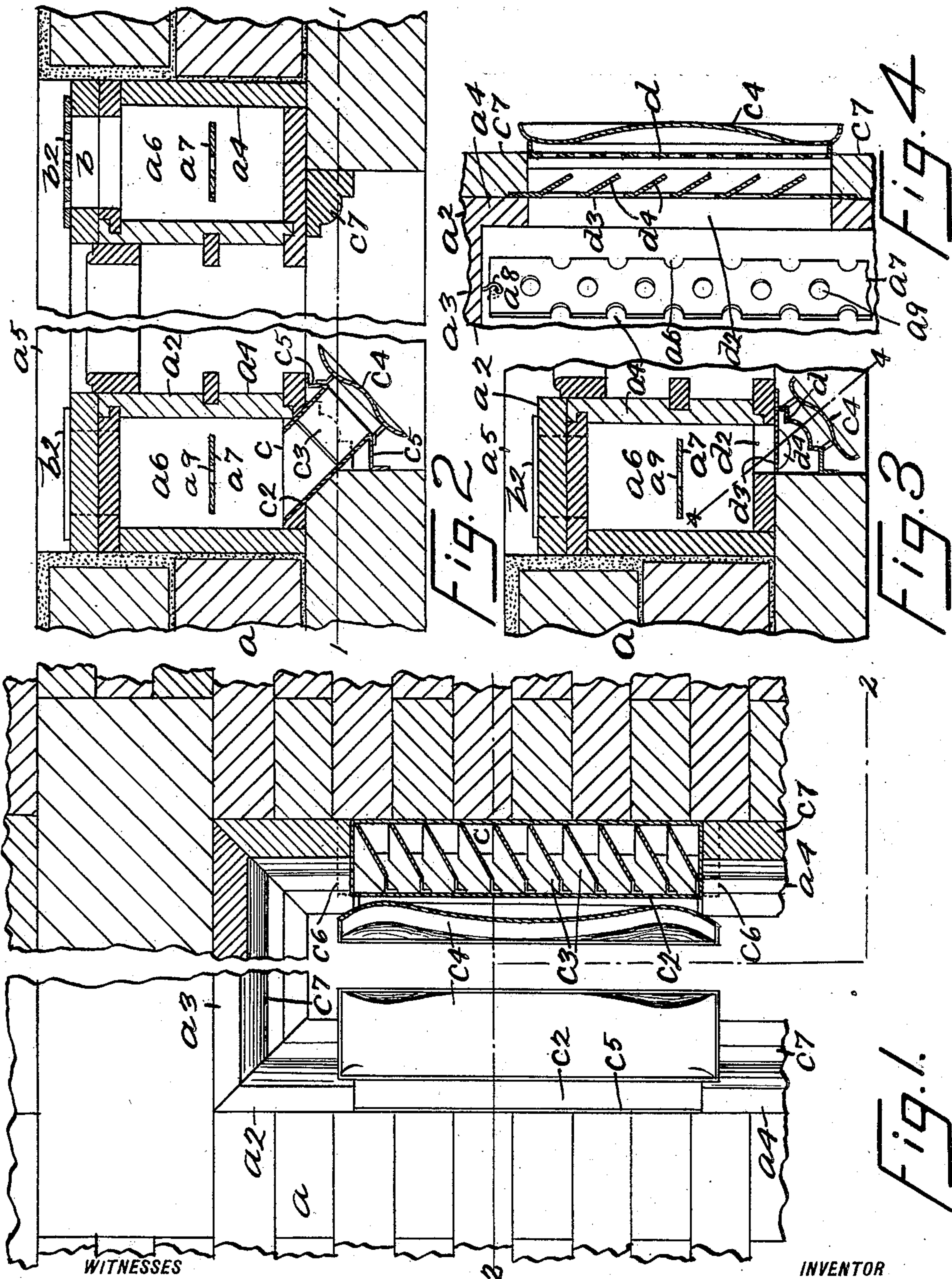


No. 886,610.

PATENTED MAY 5, 1908.

G. KABURECK.
VENTILATOR.

APPLICATION FILED JULY 5, 1907.



WITNESSES
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GEORGE KABURECK, OF JERSEY CITY, NEW JERSEY.

VENTILATOR.

No. 886,610.

Specification of Letters Patent.

Patented May 5, 1908.

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To all whom it may concern:

Be it known that I, GEORGE KABURECK, a citizen of the United States of America, and residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Ventilators, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to ventilators and particularly to window ventilation and is an improvement over that shown and described in my United States Patent No. 753,579, of March 1st, 1904, and the object hereof is to provide means for ventilating rooms, halls, etc., through the frames of the openings in a building; a further object being to provide a ventilating device which is adapted to wood frames and which may be installed in either new or old buildings without any material change in the original construction of the window frames thereof; a further object being to provide a ventilating device for windows which permits the greatest possible light area in proportion to the area of the opening; a still further object being to provide means whereby sash weights may be placed in position, because of my invention, without weakening the frame and dispensing with the usual removable member of the sash run employed and a still further object being to provide a partition plate in the sash weight boxes which accommodates itself to various inequalities of the said weights or to imperfect hanging thereof without in any way interfering with the ventilating features of the frame.

My invention is fully described in the following specification, of which the accompanying drawings form a part, in which the separate parts designated by the same reference characters in each of the views, and in which:—

Figure 1 is an external elevation of a window frame provided with my invention, one side thereof being taken on the line 1—1 of Fig. 2; Fig. 2 is a section taken on the line 2—2 of Fig. 1; Fig. 3 is a view similar to Fig. 2 but showing a modification of the construction; and Fig. 4 is a section on the line 4—4 of Fig. 3.

In the drawings forming a part of this application, I have shown a portion a of a building, built of brick but which may be of wood or other material, and provided with a win-

dow opening in which is placed a frame a^2 comprising a top member a^3 , side members a^4 and a sill a^5 and the side members a^4 are divided into sash weight compartments a^6 which I sub-divide by means of a partition plate a^7 hung centrally of the compartment a^6 , as shown at a^8 in order to permit of free pendulum movement thereof and provided with openings a^9 for the passage of air.

As in the patent referred to, I provide an opening b , at the bottom of the inner side of the frame a^2 , preferably covered by a perforated plate b^2 and, if desired, a closure device may also be provided therefor, as shown in the patent cited; adjacent to the top of the frame a^2 and communicating with the compartments a^6 are external openings c into which are fitted casings c^2 open at the front and rear to permit the passage of air from the said compartments outwardly and the casings c^2 are provided with a plurality of inclined plates or louvers c^3 to change the direction of air and to prevent the inrush of wind, this being also prevented by means of a double curved baffle or deflector plate c^4 arranged before the louvers c^3 .

The casing c^2 is provided with side flanges c^5 and end flanges c^6 , to secure the said casing in position, the latter flanges being covered by the usual staff bead or molding c^7 and it will be seen from this construction that free ventilation of a building provided with my invention results without the danger of draft and without requiring special construction of the window frame and without materially weakening the same, at the same time permitting the insertion of sash weights through the openings b by the removal of the perforated plates b^2 , this permitting the insertion of weights of greater dimensions than is possible where the opening for the insertion thereof is in the sash run, as is usual, and therefore maintaining the entire strength of the said sash run and a smooth sliding surface thereon.

In Figs. 3 and 4, is shown a modification, over the construction just described, in that a portion of the staff bead c^7 is removed, a metal sheet of the same conformation being substituted therefor as shown at d , said sheet being perforated to permit the outward passage of air through an opening d^2 leading from the compartment a^6 and preferably covered by a plate d^3 provided with outwardly and downwardly inclined flanges d^4 formed by cutting the said plate at the sides and bot-

tom of the desired openings therein and bending the said flanges outwardly at the jointure thereof with the said plate, this construction being known as the fish scale form, and with
 5 the construction shown in Figs. 3 and 4, the deflector plate c^4 may also be employed if desired.

In the operation of the invention, the air becoming heated and vitiated in a room
 10 passes through the plate b^2 , thence upwardly through the compartment a^6 and outwardly through the louvers or fish scales and around the deflector plate c^4 to the outer air, the double curve of this plate serving to de-
 15 flect air currents from any possible direction and thereby preventing wind or draft in the rooms provided with my invention and various kinds of deflector plates may be employed as may also various kinds of the
 20 plates c^3 or d^3 in order to accomplish the result desired and, with this reservation,

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

1. A ventilating device, comprising a win-

dow frame, provided with the usual weight
 25 pockets, each of which is provided with inner and outer openings, means for deflecting air adjacent to said outer openings and a perforated partition plate loosely swung in each
 30 of said weight pockets.

2. A ventilating device comprising a window frame provided with the usual weight
 35 pockets, each of which is provided with inner and outer openings, plates adjacent said last named openings and arranged at an angle to the direction of the air therethrough, and a
 40 partition plate suspended in each of said weight pockets and capable of movement in all directions.

In testimony that I claim the foregoing as
 my invention I have signed my name in
 presence of the subscribing witnesses this 2nd
 day of July 1907.

GEORGE KABURECK.

Witnesses:

J. C. LARSEN,

ROBT. T. LIVINGSTON.