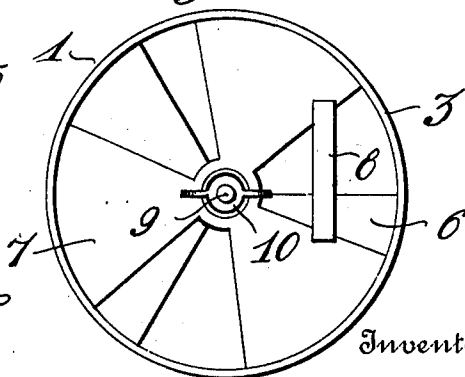
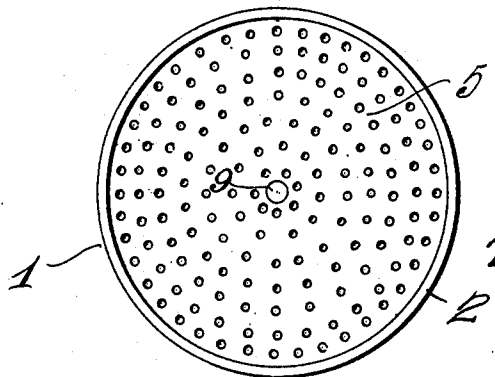
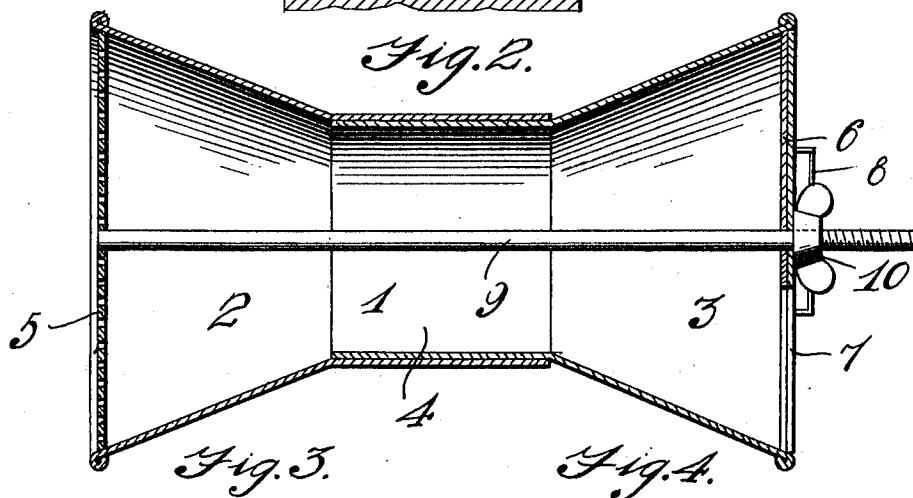
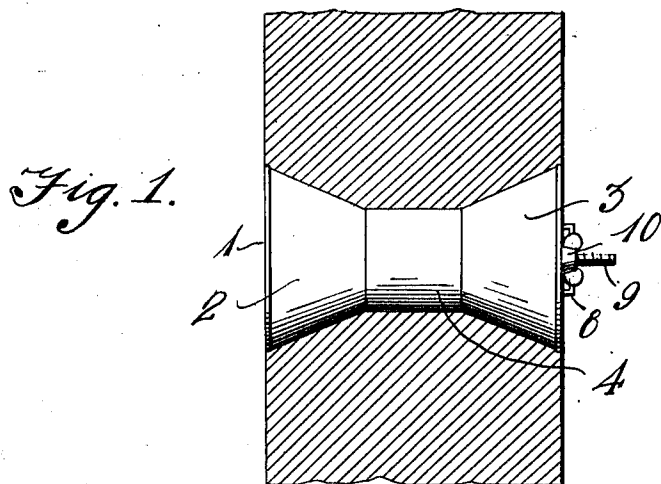


H. OBERMANN.
VENTILATOR.

APPLICATION FILED SEPT. 19, 1910.

988,496.

Patented Apr. 4, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

HENRY OBERMANN, OF FREISTATT, MISSOURI.

VENTILATOR.

988,496.

Specification of Letters Patent.

Patented Apr. 4, 1911.

Application filed September 19, 1910. Serial No. 582,742.

To all whom it may concern:

Be it known that I, HENRY OBERMANN, a citizen of the United States, residing at Freistatt, in the county of Lawrence and State of Missouri, have invented certain new and useful Improvements in Ventilators; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in ventilators for buildings.

The invention consists in the construction and arrangement of parts, as will be hereinafter described and particularly pointed out in the claim.

In the accompanying drawings: Figure 1 is a vertical section through a wall showing the application of the ventilator; Fig. 2 is an enlarged vertical sectional view of the ventilator; Fig. 3 is an outer end view thereof; Fig. 4 is an inner end view of the same.

Referring more particularly to the drawings 1 denotes the ventilator which is formed in two adjustably connected funnel shaped sections 2 and 3. The sections 2 and 3 have on their inner ends cylindrical projections 4 which have a telescoping engagement whereby the sections 2 and 3 may be drawn apart or pushed together to a greater or less extent to correspond with the thickness of the wall with which the ventilator is to be engaged.

The section 2 of the ventilator is arranged in the outer portion of the wall and is closed on its outer end by a perforated plate 5 which will freely admit the air to the ventilator but will prevent the entrance of birds, animals or foreign objects. The outer end of the section 2 and the plate 5 will be preferably disposed in the same plane or flush with the outer surface of the wall and will thus present no obstruction or projection beyond the side of the building.

The section 3 of the ventilator is arranged in the inner portion of the wall and has its outer end flush with the inner surface of the wall. In the inner end of the section 3 is arranged a valve or damper comprising an inner apertured plate 6 which is rigidly secured in the inner end of the section and a revolubly mounted notched plate 7 which is adapted to be turned in one direction or the other to open and close the apertures in the fixed plate to a greater or less ex-

tent thereby regulating the amount of air passing through the ventilator. The outer plate 7 is provided with an operating handle 8 which is here shown and preferably consists of a bar connected at its opposite ends to two of the notched portions of the plate.

The sections 2 and 3 of the ventilator are adjustably connected together by a central longitudinally disposed connecting rod 9 the outer end of which is rigidly secured to the center of the plate 5 of the sections 2 of the funnel while the inner end of the rod projects through aligned centrally disposed apertures formed in the plates 6 and 7. The inner end of the rod is threaded and projects a considerable distance beyond the inner end of the sections 3 and on said threaded end of the rod is adapted to be screwed a clamping nut 10 which serves to adjustably secure the sections together in the wall and also serves to hold the revolubly mounted valve or damper plate 7 in its adjusted position with respect to the inner stationary plate 6 of the damper.

A ventilator constructed as herein shown and described may be formed in any suitable size according to the size of the room or building in which the same is to be used and may be readily arranged and secured in a frame, masonry or other form of wall. By constructing the outer section of the wall with a funnel shaped or flared outer end it will be obvious that any water which may be driven into the outer end of the funnel will readily run down inclined walls of the outer section and out through the perforated plate on the end thereof thus preventing the water from entering the room or building.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Having thus described my invention what I claim is:

A ventilator comprising an inner and an outer funnel shaped section with cylindrical inner projecting ends mounted one on the other, the outer section having a perforated plate connected to the mouth thereof, the inner section having an apertured plate rigidly secured in the mouth thereof, and provided with a notched plate rotatably mounted thereon, a rod having one end rigidly secured to said perforated plate, its other end being screw threaded and projecting be-

yond the apertured plate so as to permit of
the two sections being adjustable to or from
each other by means of the cylindrical ends
of the sections sliding one on the other, and
5 a clamping nut on said projecting end of
the rod to hold the two sections adjusted, the
parts constructed and arranged to be wholly
seated within a wall.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit- 10
nesses.

HENRY OBERMANN.

Witnesses:

H. BIERMANN,

E. G. STELLWAGEN.

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