

No. 827,603.

PATENTED JULY 31, 1906.

J. W. BE QUETTE & B. F. SACKETT.

VENTILATOR.

APPLICATION FILED JULY 24, 1905.

Fig. 1.

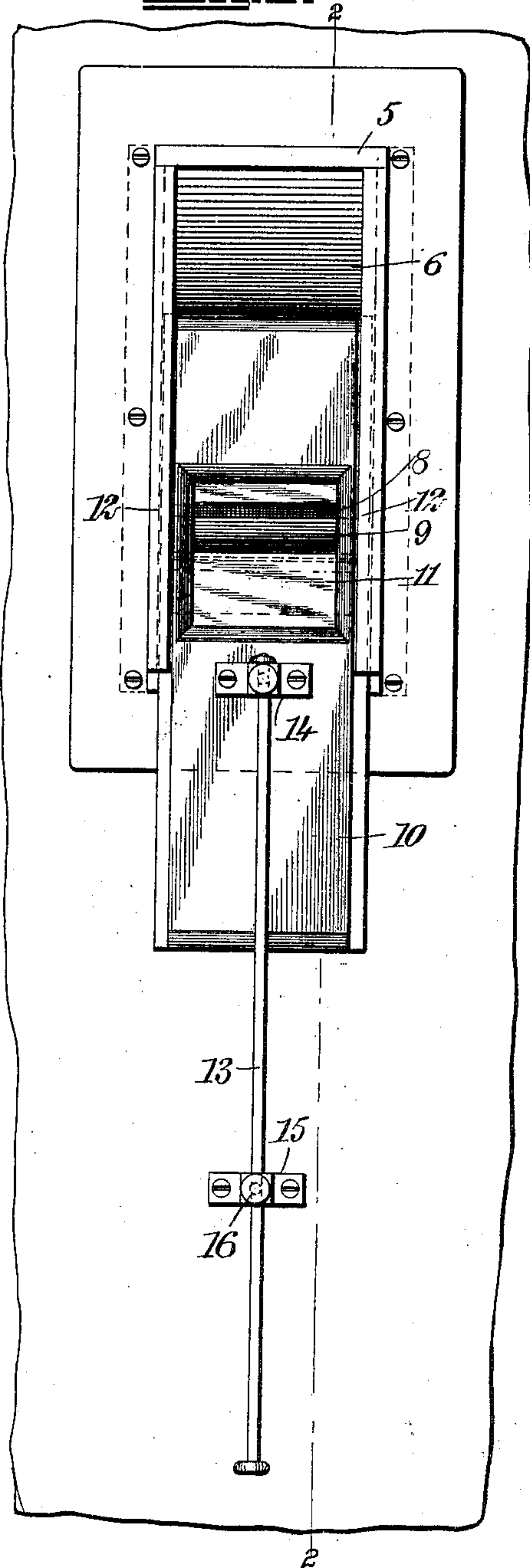
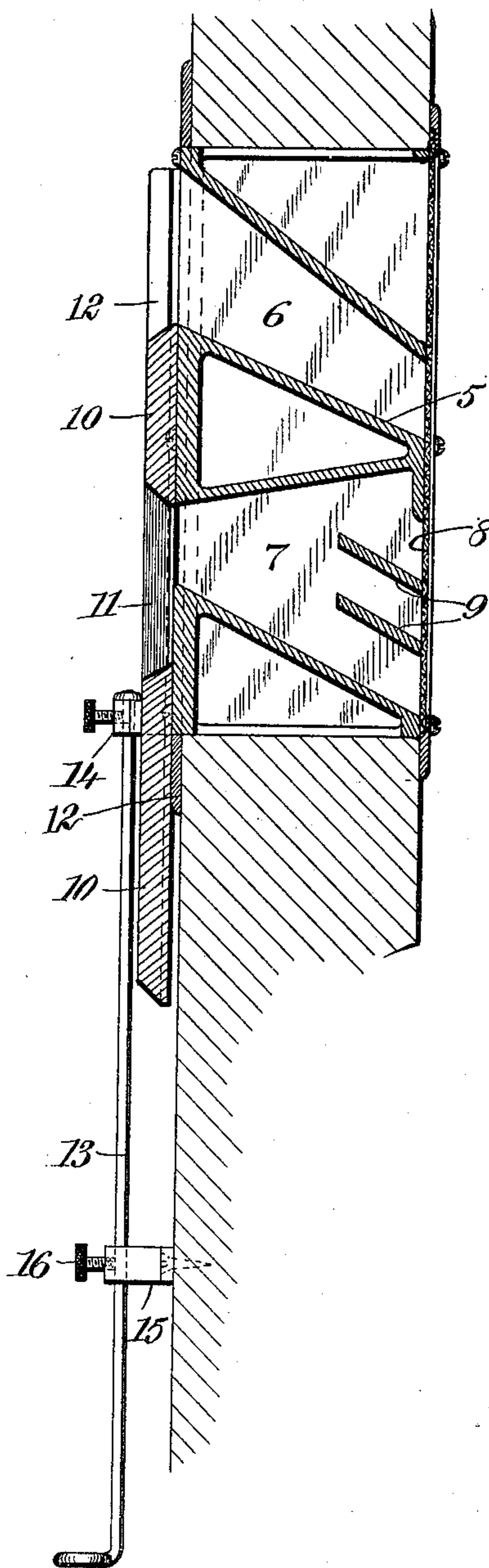


Fig. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN W. BE QUETTE, OF PLATTEVILLE, WISCONSIN, AND BENJAMIN F. SACKETT, OF TOLEDO, OHIO.

## VENTILATOR.

No. 827,603.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed July 24, 1905. Serial No. 271,014.

*To all whom it may concern:*

Be it known that we, JOHN W. BE QUETTE, a resident of Platteville, in the county of Grant and State of Wisconsin, and BENJAMIN F. SACKETT, a resident of Toledo, in the county of Lucas and State of Ohio, citizens of the United States, have invented a new and Improved Ventilator, of which the following is a full, clear, and exact description.  
This invention relates to improvements in devices for giving ventilation to buildings or rooms, the object being to provide a ventilator so constructed that the hot or foul air will readily pass out from the top or upper portion of a room and be replaced by fresh air.

We will describe a ventilator embodying our invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate like parts in both the figures.

Figure 1 shows in elevation a ventilator embodying our invention, and Fig. 2 is a section on the line 2 2 of Fig. 1.

The ventilator is designed to be arranged in the wall of a building, and it consists of a metal casing 5, having at its upper portion an outlet 6 for hot or foul air. The upper and lower walls of this outlet 6 are inclined downward and outward and are also convergent outwardly—that is, the opening at the inner side of the wall is much larger than the opening at the outer end. Below the outlet 6 is an inlet-opening 7 for fresh air, the upper and lower walls of which are divergent outwardly. At the outer side of the casing and extending over the openings 6 and 7 is a metal screen 8, which will prevent the entrance of leaves or similar articles passing through the air and to prevent dust that may pass through the screen from entering the room through the opening 7 we provide upwardly-inclined guard-plates 9, which are attached to the side walls of the casing.

Arranged to slide vertically at the inner side of the casing is a cut-off valve or plate 10, having an opening 11, which is substantially the area of the inner opening of the outlet 6. This plate slides in guides 12, and adjustably attached thereto is a rod 13, which may extend downward to a convenient point above

the floor in a room. As here shown the rod 13 is adjustably engaged in a keeper 14, attached to the plate 10, and it is also movable through a guide 15, attached to the wall of the room, and in this guide 15 is a set-screw 16 for holding the rod and plate as adjusted.

By manipulating the valve-plate 10 the inlet and outlet of air may be controlled. By moving the said plate upward, so that the opening 11 coincides with the inner end of the outlet 6, the foul air may pass out; but the lower portion of the plate will cover the inner end of the opening 7, preventing the inlet of fresh air. By moving the plate downward, so that its upper portion is between the inlet and outlet, fresh air will be admitted and the foul air expelled.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. A ventilator comprising a casing having an air-outlet at its upper portion and an air-inlet at its lower portion, a screen material extending over the outer portions of the inlet and outlet, and a regulating valve-plate slidable on the inner side of the casing the said valve having an opening approximating the size of the outlet-opening.

2. A ventilator, comprising a casing having an air-outlet at its upper portion and an air-inlet at its lower portion, the outer portion of the outlet and the inner end of the inlet being restricted, a screen material extending over the outer portions of the inlet and outlet, and upwardly-inclined guard-plates arranged in the inlet.

3. A ventilator comprising a casing having an air-outlet at its upper portion and an air-inlet at its lower portion, a valve-plate slidable on the inner side of the casing and having an opening approximating the size of the outlet-opening at its inner end, and a rod adjustably connected to said plate.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JOHN W. BE QUETTE.  
BENJAMIN F. SACKETT.

Witnesses:

THOMAS ROURKE,  
ALFRED I. TAYLOR.