

(No Model.)

J. M. FENNERTY.

VENTILATOR.

No. 260,012.

Patented June 27, 1882.

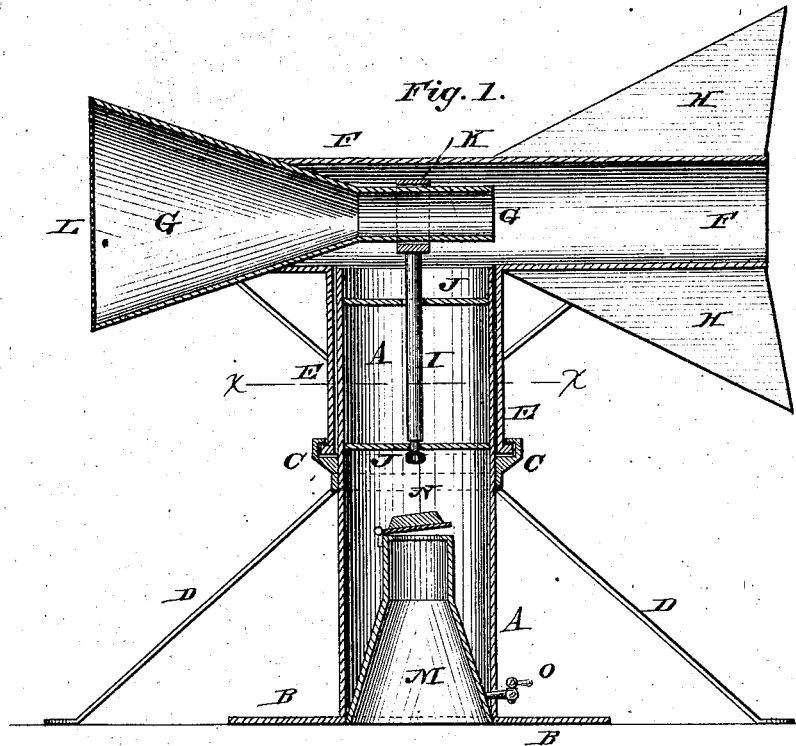
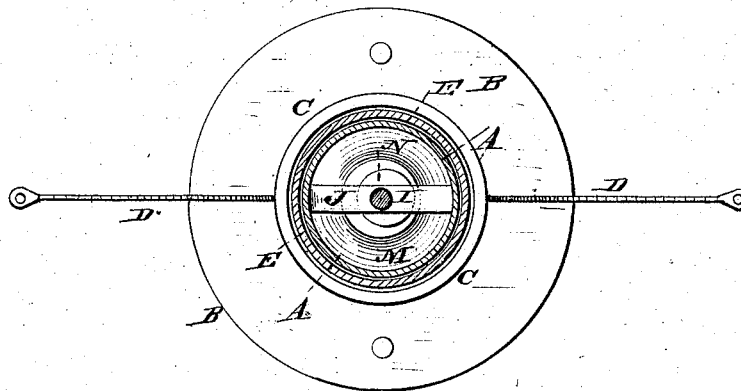


Fig. 2.



WITNESSES

WITNESSES  
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INVENTOR

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John M. Gennerty,  
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# UNITED STATES PATENT OFFICE.

JOHN M. FENNERTY, OF MEMPHIS, TENNESSEE.

## VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 260,012, dated June 27, 1882.

Application filed February 21, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN M. FENNERTY, of Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Ventilators; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a vertical sectional view; and Fig. 2 is a horizontal or cross section on the line *x*, Fig. 1.

Similar letters of reference indicate corresponding parts in both figures.

This invention relates to ventilators; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents a vertical tube, secured to or provided with a base or flange, B, by which it may be secured in the desired position. Tube A is provided about midway of its length with an annular flanged rim, C, from which braces D, which may be attached in any suitable manner, extend downwardly and outwardly, as shown. The flanged rim C forms a bearing or turn-table for a tube, E, encircling the upper end of tube A, and carrying at its upper end a transverse horizontal tube, F, provided at one end with a funnel, G, and at its other end with wings or vanes H. The inner end of funnel G extends into tube F and terminates over the upper end of tube E.

I is a vertical rod or spindle, mounted in bearings in cross-pieces J in tube A, and having at its upper end a ring, K, encircling the inner narrow end of funnel G, which is thus braced and balanced.

The wide front end or mouth of funnel G may be covered with wire-netting L, in order to prevent dirt and obstructions from entering the ventilator.

In the lower end of tube A is placed an inverted funnel, M, provided at its upper end with an upwardly-opening valve, N, of any suitable construction.

The operation of my invention will be readily understood. The air entering through funnel G escapes through the tube F, thus creating a suction in the tube A, by which the foul air from the apartments below, with which said tube A is connected, is carried off through valve N, tube A, and tube F. A draft in a downward direction is impossible, because the valve N will instantly close and prevent air from passing downward through tube A. Likewise, and for the same reason, dust and dirt are prevented from entering through the ventilator the apartment or apartments with which it is connected. Rain is also thus excluded, and a cock or faucet, O, is provided at the lower end of tube A for the purpose of enabling water accumulating between said tube and the inverted funnel M to be drawn off.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of the tube A, having cross-pieces J, revolving tube E, horizontal tube F, having vanes H and funnel G, and the spindle I, having ring K, encircling the inner end of funnel G, as herein described, for the purpose set forth.

2. In a ventilator, the tube A, having inverted funnel M, provided with valve N, substantially as and for the purpose set forth.

3. In a ventilator constructed substantially as described, the tube A, having inverted funnel M, provided with valve N, and the cock or faucet O, as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses:

JOHN M. FENNERTY.

Witnesses:

C. KUNZO,  
D. HERMAN.