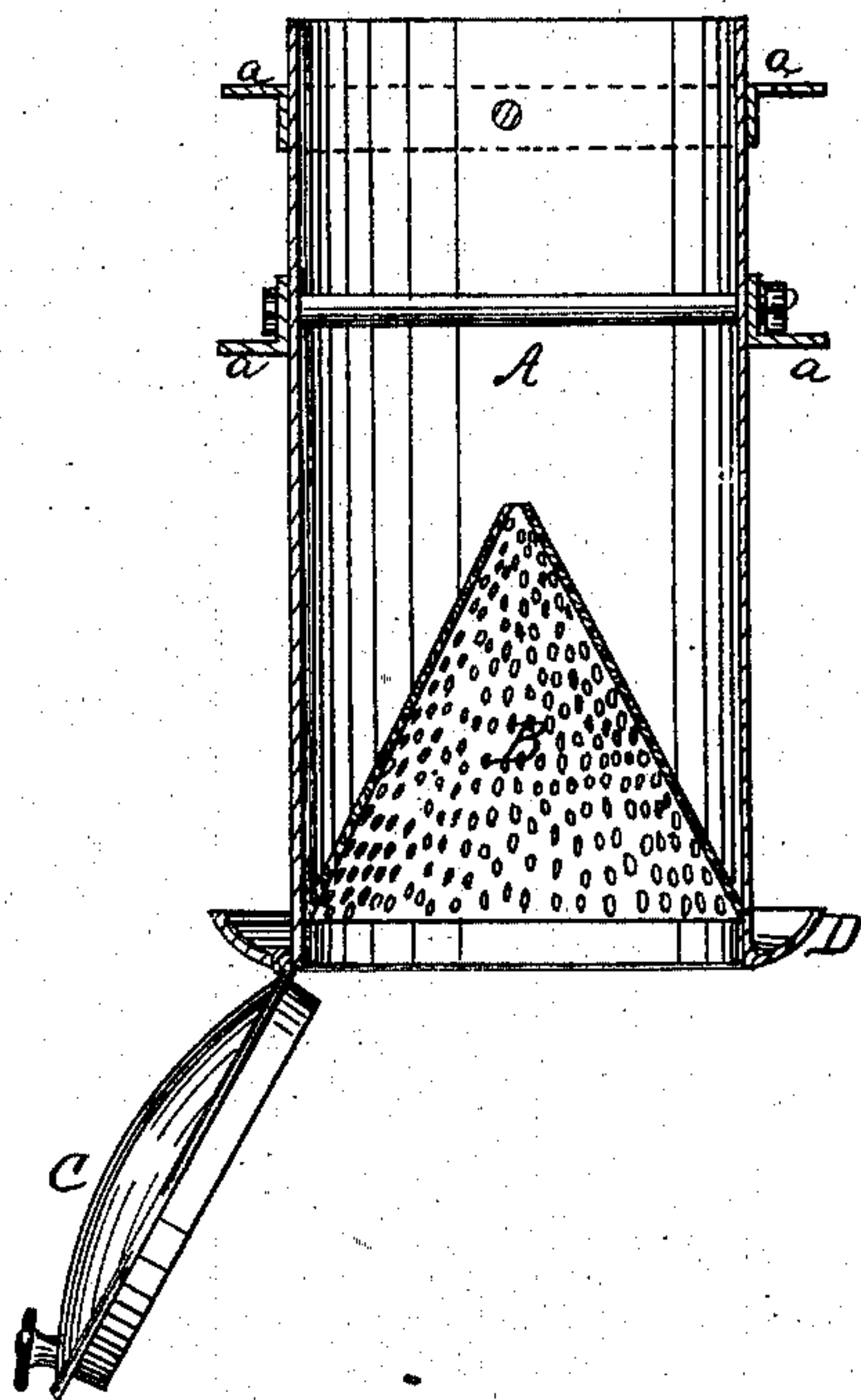


O. S. Trexler,
House Ventilator,
N^o 68,807. Patented Sep. 10, 1867.



Witnesses:

Chas. Busch
Wm. Truitt

Inventor
Oren S. Trexler
Per M. C. [Signature]
Attorney

United States Patent Office.

O. S. TREXLER, OF NAPERVILLE, ILLINOIS.

Letters Patent No. 68,807, dated September 10, 1867.

VENTILATING DEVICE FOR CEILINGS AND WALLS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, O. S. TREXLER, of Naperville, Du Page county, Illinois, have invented a new and useful Improvement in Ventilators; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved method of ventilating rooms in dwelling-houses, manufacturing establishments, and all buildings or apartments where vapor arises, and where it is desired to introduce fresh air of a temperature corresponding with that of the room which it is desired to ventilate; and the invention consists in inserting through the ceiling of such room or apartment a tube, having a cone-shaped sieve in its lower end, as represented in the drawing.

A is a tube, which extends from above through the ceiling into the apartment, and upward to or near the roof of the building. Where it passes through the ceiling or floor above it is secured by flanges, *a*, as seen in the drawing, or in any other suitable manner. B is the cone-sieve, which is secured to the tube at its base, as seen. This tube may be made of perforated sheet metal, or of wire cloth, as may be found most proper or convenient. C is a swing door, which is attached to the lower end of the tube by a hinge. It may be adjustable so that the aperture or end of the tube may be closed, or partially closed, as may be desired. D is a flange, which rests against the ceiling when the ventilator is in place, forming a finish around the rim.

Through the tube there will be an ascending current of foul, damp, and impure air, passing through the cone in fine jets, rendering rooms, previously damp and unwholesome, dry and healthy. The fresh air is introduced into the apartment in any ordinary manner, but does not pass through the tube.

This arrangement is peculiarly adapted to apartments where water or other liquids are boiling, and from which condensation takes place, rendering the apartment damp and unhealthy.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The cone B, in combination with the tube A, arranged substantially as shown and described for the purpose set forth.
2. The adjustable door C, in combination with the tube A and cone B, substantially as and for the purpose specified.

The above specification of my invention signed by me this 13th day of March, 1867.

O. S. TREXLER.

Witnesses:

H. H. CODY,
JAMES M. VALLETTE.