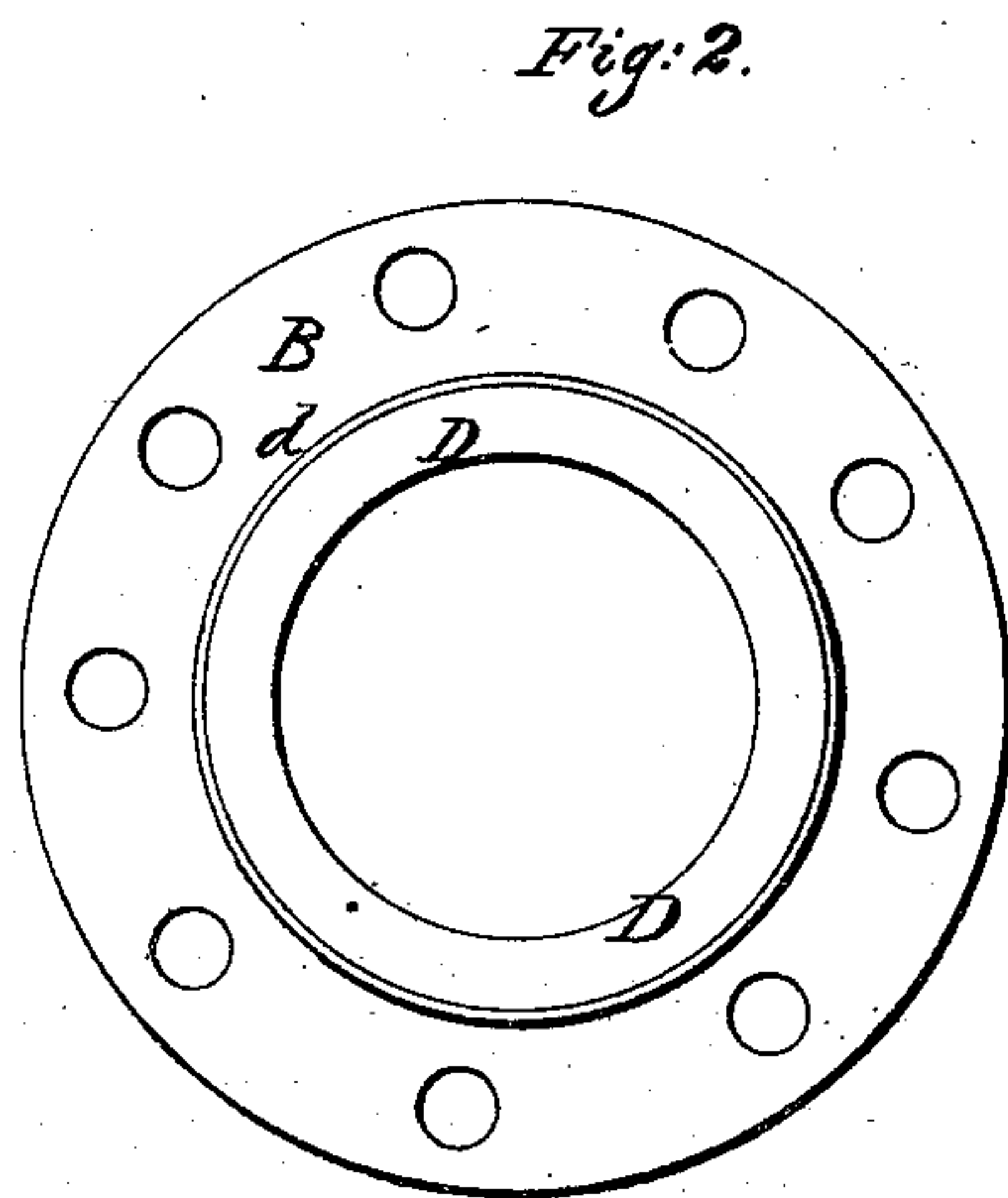
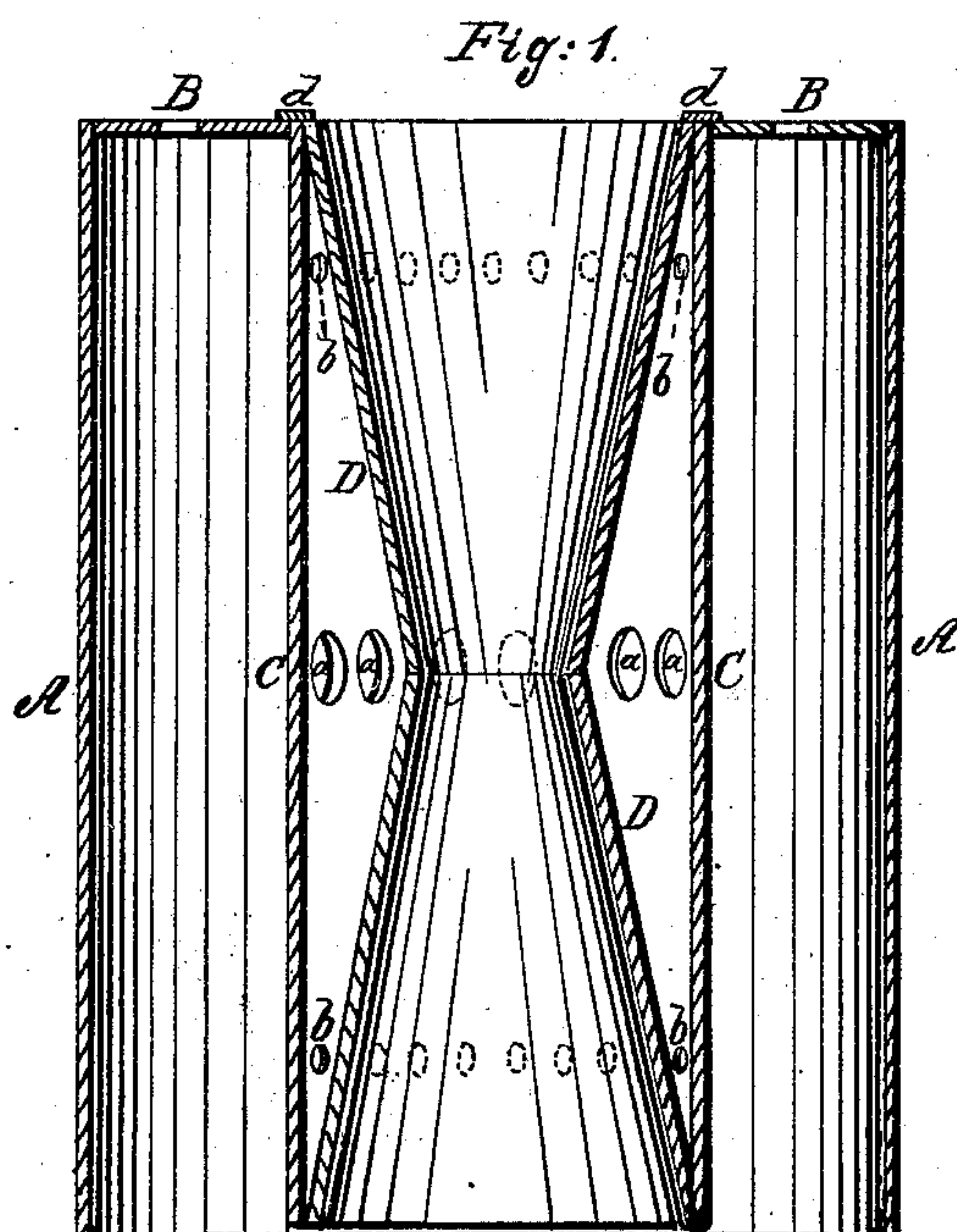


D. V. THRIFT.
Stove-Pipe Ventilator.

No. 103,943.

Patented June 7, 1870.



Witnesses.
E. Maurice
C. L. Evers

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Alexander Mason
att'y

United States Patent Office.

DAVID V. THRIFT, OF MONROE, IOWA, ASSIGNOR FOR ONE-HALF TO LEVI FISHER.

Letters Patent No. 103,943, dated June 7, 1870.

STOVE-PIPE VENTILATOR.

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, DAVID V. THRIFT, of Monroe, in the county of Jasper and in the State of Iowa, have invented certain new and useful Improvements in Ventilators for Stove-Pipes; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and general arrangement of a "ventilator for stove-pipes," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal vertical section, and

Figure 2 a plan view of my ventilator.

A represents a cylinder, of the required size, with a perforated head-piece, B, at one end.

To this head-piece is attached a smaller cylinder, C, at a suitable distance from the outside cylinder, and of the same length.

The inside cylinder C is perforated with large holes, *a a*, around its center, and smaller ones, *b b*, at both ends.

D represents a double cone, made by attaching the small ends of two cones together, giving it an hour-glass shape.

This double cone has a flange, *d*, on one end to keep it in place.

The hour-glass cone D is inserted within the inside cylinder C, the flange *d* resting on top thereof, as shown in fig. 1, and the ventilator is ready for use.

By this arrangement the stove-pipe can only come in contact with the center or contracted portion of said cone, and, when the cone is placed in position, its peculiar construction forms an air-chamber between it and the inner cylinder C. The larger perforations *a a* in said cylinder, being directly opposite the contraction of the cones, admit a continual current of cold air into the chamber formed, thereby keeping the part

of the cone in contact with the stove-pipe so cool as to make it impossible for a fire to originate from an over-heated ventilator.

There being but one head-piece to the ventilator, and the open end being turned down, prevents anything from collecting within the ventilator which might obstruct a free circulation of air within.

There being a free circulation of air in the outer chamber, and from there through the perforations in the inner cylinder to the inner chamber, makes a complete and safe ventilator under all circumstances.

This ventilator is to be made of tin, or other suitable material, by double-seaming and pinning, without the use of solder, making it less liable to get out of order.

Having thus fully described my invention,

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

1. A stove-pipe ventilator, having one perforated head-piece, and a perforated inside cylinder, substantially as herein set forth.

2. The double cone D, constructed as described, so as to fit within the inner cylinder C, thereby forming an air-chamber, and more perfectly holding and securing a stove-pipe, substantially as set forth.

3. An inner air-chamber, formed by and between a double cone and inside cylinder of a stove-pipe ventilator, in combination with suitable perforations in said inner cylinder for admitting air into the air-chamber, substantially as herein set forth.

4. The combination of the outside cylinder A, head-piece B, inside perforated cylinder C, and the double cone D, with the air-chamber formed between said inside cylinder and cone, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 10th day of February, 1870.

DAVID V. THRIFT.

Witnesses:

WM. H. THRIFT,
JOHN CLIPPINGER.