

P. S. UNDERHILL.  
Lamp-Burner.

No. 167,714.

Patented Sept. 14, 1875.

Fig. 1.

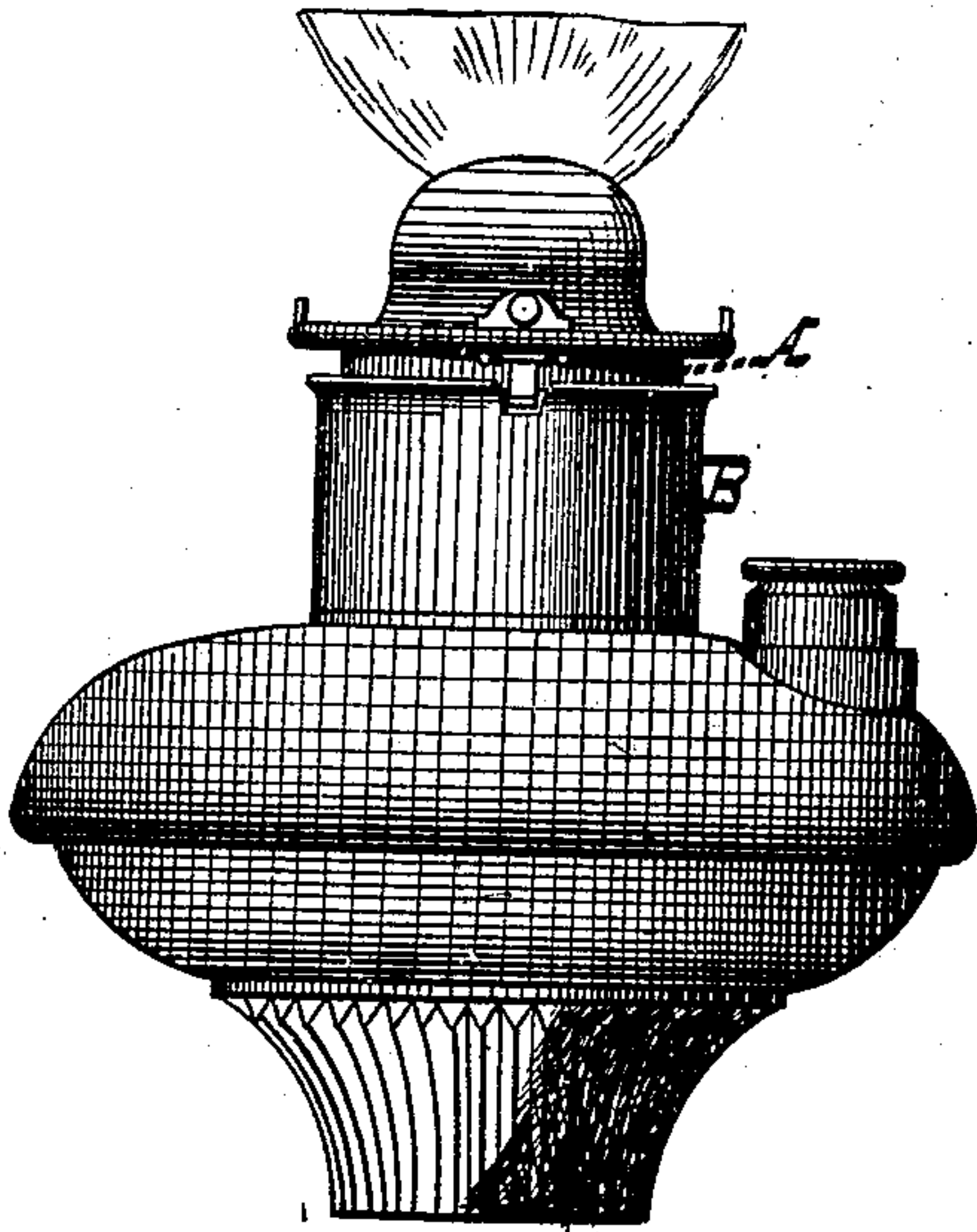
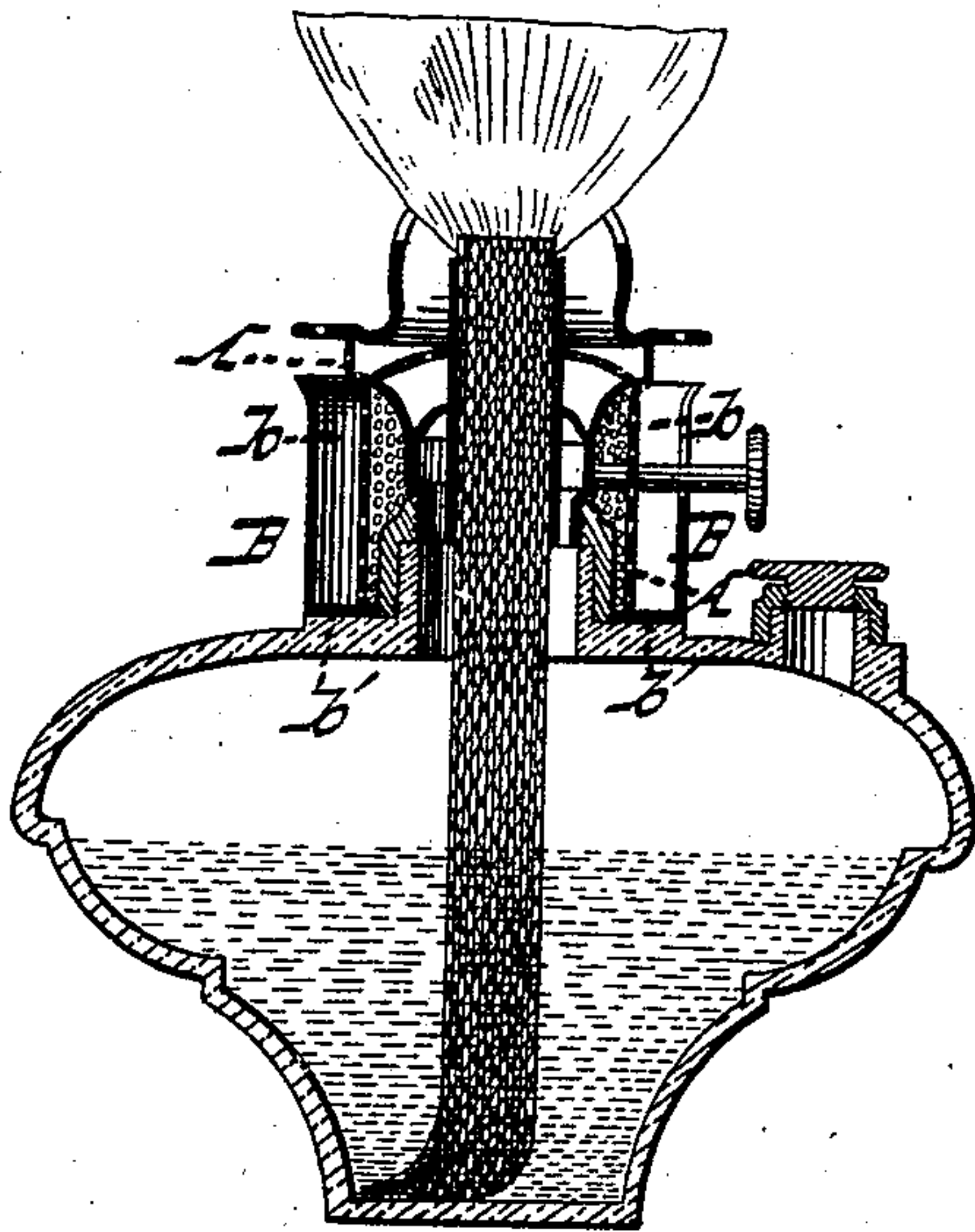


Fig. 2.



WITNESSES=

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# UNITED STATES PATENT OFFICE.

PHINEAS S. UNDERHILL, OF FORT WAYNE, INDIANA.

## IMPROVEMENT IN LAMP-BURNERS.

Specification forming part of Letters Patent No. **167,714**, dated September 14, 1875; application filed August 4, 1875.

*To all whom it may concern:*

Be it known that I, P. S. UNDERHILL, of Fort Wayne, in the county of Allen and State of Indiana, have invented certain new and useful Improvements in Lamp-Burners; 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 which it pertains to make and use the same, reference being had to the accompanying drawing and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a side elevation of my burner attached to a lamp, and Fig. 2 is a vertical section of the same.

Corresponding parts in the two figures are denoted by like letters.

This invention relates to a certain improvement in lamp-burners, and is particularly adapted to lamps for streets, halls, &c. It consists of the combination, with a foraminated burner, of a surrounding cylinder or shield, between which is an air chamber or space, substantially as hereinafter more fully set forth.

In the annexed drawing, A is a foraminated or perforated burner of ordinary construction. B is a cylinder or shield surrounding the foraminated portion of the burner to shield the perforations from the force of the wind

and rain, &c., when the lamp is placed in an exposed position, as, for instance, when suspended in the passage or hall of a house, or used as a street-lamp, &c. The cylinder or shield B is sufficiently large to leave a space or chamber, *b*, for the passage of the required amount of air to and through the perforations of the burner to the flame of the lamp-wick. To secure the cylinder or shield B in position upon the lamp it is provided with an inner annular flange, *b'*, down upon which the burner A fits when screwed to the neck of the lamp, clamping the said flange in place.

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

1. The cylinder or shield B in combination with the foraminated burner A, an air space or chamber being provided between the same, substantially as and for the purpose set forth.

2. The cylinder or shield B, having the flange *b'*, and burner A, in combination, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

PHINEAS S. UNDERHILL.

Witnesses:

HENRY H. BOSSLER,  
JOHN F. RODABAUGH.