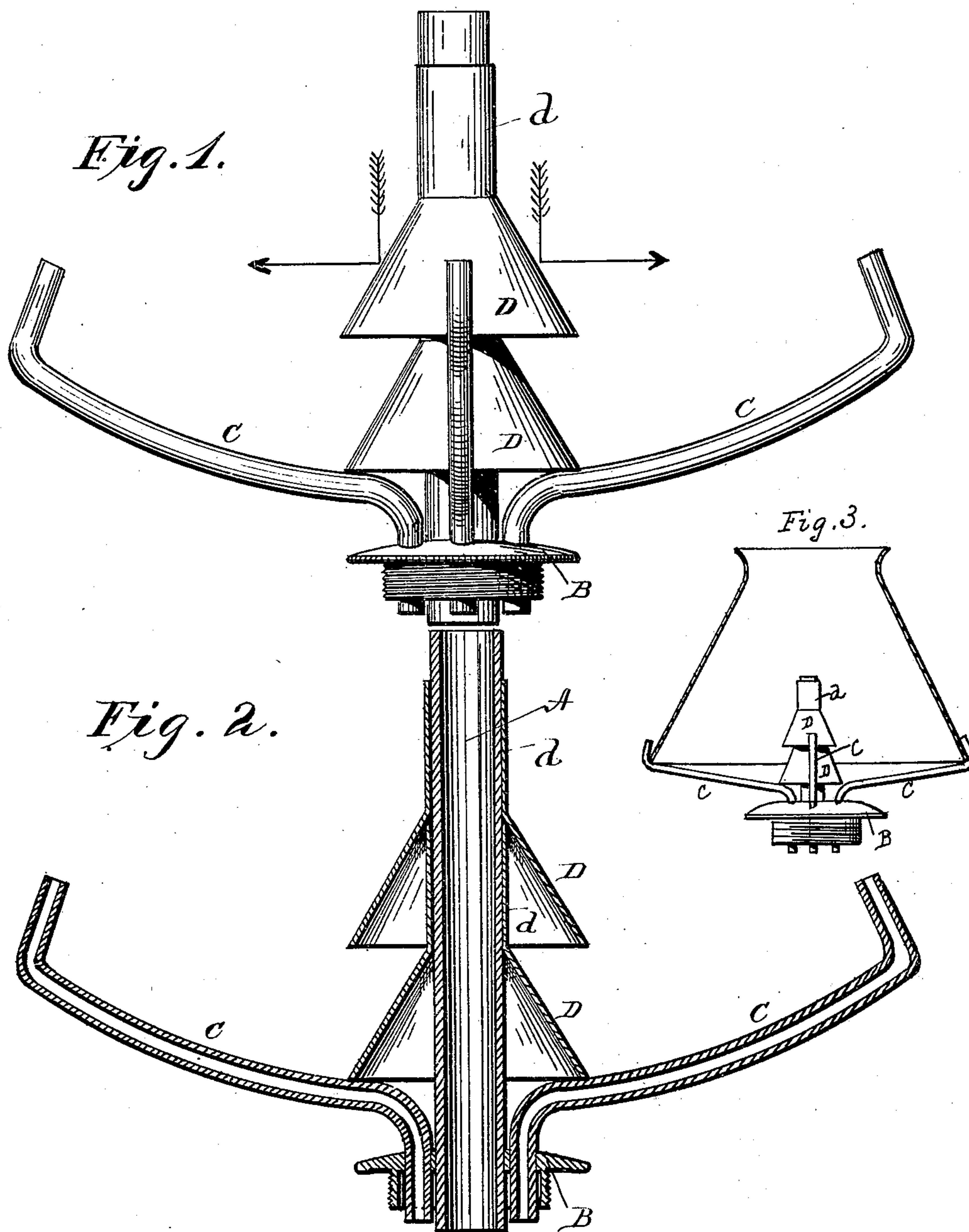


(No Model.)

A. P. STEINMEYER.
LAMP BURNER.

No. 250,994.

Patented Dec. 13, 1881.



Witnesses:
F. L. Curran
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UNITED STATES PATENT OFFICE.

ANTHONY P. STEINMEYER, OF PHILADELPHIA, PENNSYLVANIA.

LAMP-BURNER.

SPECIFICATION forming part of Letters Patent No. 250,994, dated December 13, 1881.

Application filed October 27, 1881. (No model.)

To all whom it may concern:

Be it known that I, ANTHONY P. STEINMEYER, a citizen of the United States of America, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Lamp-Burners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention has relation to the construction of the tops or burners of oil-lamps in general, but more particularly to that class in which gasoline is used as the illuminator.

The object of the invention is to simplify the construction and at the same time lessen the danger attending the use of said class of lamps; and to that end the invention consists in making the shade-holders of said lamps of tubing and utilizing the passage in said tube to supply air to the oil-chamber, rendered necessary by the consumption of the oil in burning.

The invention further consists in providing a wick-tube or burner with one or more deflectors, so arranged that the heat from the flame will be deflected from the reservoir, thereby preventing it and wick-tube adjacent to it from becoming heated.

In the accompanying drawings, similar letters of reference indicate like parts of the invention.

Figure 1 is an elevation; Fig. 2, a sectional view of my improved burner, and Fig. 3 shows the shade in position.

A is the wick-tube, secured to the cap or top B, which is screwed into the lamp.

C C are the shade-holders, and are tubular, as shown in Fig. 2.

D D are the deflectors, and the rays of heat and light from the burner will be deflected by them, as indicated by the arrows in Fig. 1.

The shade-holders C C are secured to the cap B in the same manner as the wick-tube A.

The deflectors D are provided with collars *d*, which encircle the wick-tube and clasp it sufficiently tight to admit of their remaining in any position to which they may be adjusted.

By reference to the construction of my burner it will be seen that the air used to replenish the oil-chamber is taken from a point remote from the source of the heat, and it is, moreover, taken in on the outside of the shade, and consequently the supplied air is cold, or at least practically cool, and the danger of gas being generated in the oil-chamber avoided.

With regard to the deflectors, while their prime object is to deflect the heat from the oil-chamber, they also serve as reflectors, and the light which would be spent and wasted downward is taken up by them and reflected horizontally, so as to utilize it to its greatest extent. One or more of these reflectors may be used, and they may be adjustable, so as to be slipped up or down on the wick-tube, and held in any desired position by friction.

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

1. In combination with a lamp-burner, a shade-holder made of tubing and arranged to admit air through its tubes into the reservoir, as set forth.

2. The combination, in a lamp-burner, of the cap B, provided with the wick-tube A, upon which is adjustably secured the deflector D *d*, and the tubes C, arranged to support the shade, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ANTHONY P. STEINMEYER.

Witnesses:

THOMAS D. MOWLDS,
OTIS EGAN.