(No Model.)

B. B. SCHNEIDER.

LAMP.

No. 379,610. Patented Mar. 20, 1888.

Fig. 1.

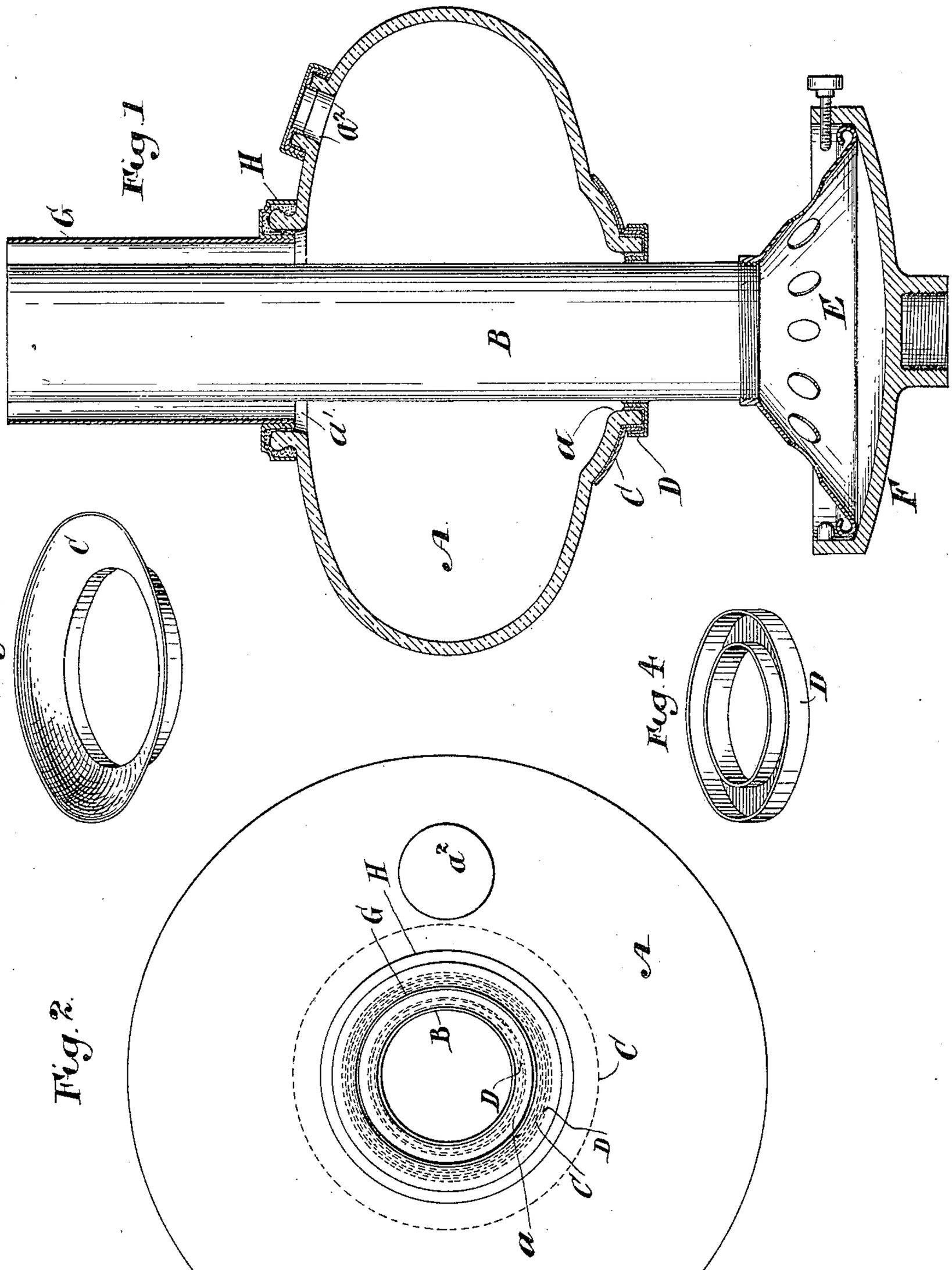

Fig. 3.

Fig. 4.

Fig. 2.

Witnesses
J. R. Bowen.
Maurice J. Roach

Inventor
Bennett B. Schneider
by his attys
Gifford & Brown

UNITED STATES PATENT OFFICE.

BENNETT B. SCHNEIDER, OF NEW YORK, N. Y.

LAMP.

SPECIFICATION forming part of Letters Patent No. 379,610, dated March 20, 1888.

Application filed October 5, 1886. Renewed August 31, 1887. Serial No. 248,379. (No model.)

To all whom it may concern:

Be it known that I, BENNETT B. SCHNEIDER, of New York, in the county and State of New York, have invented a certain new and useful Improvement in Lamps, of which the following is a specification.

I will describe a lamp embodying my improvement, and then point out the various novel features in the claims.

In the accompanying drawings, Figure 1 is a central vertical section of a lamp embodying my improvement. Fig. 2 is a top view of the same. Fig. 3 is a perspective view of a metal collar secured to the exterior of the lower part of the fount. Fig. 4 is a perspective view of a coupling-piece connecting the collar shown in Fig. 3 with a central draft-tube that extends through the fount.

Similar letters of reference designate corresponding parts in all the figures.

A designates the fount or reservoir of the lamp. It is intended to be made of glass or anaolgous material, and has an opening, *a*, at the bottom and another opening, *a'*, at the top.

B designates a central draft-tube that extends through the fount or reservoir. The oil within the fount occupies the space between the exterior of the central draft-tube and the interior of the fount. The fount is provided with a filling-mouth, a^2, which has a removable cover. The oil is introduced into the fount through this filling-mouth.

C designates a ring or shell, preferably made of sheet metal. It is of such shape as to conform to the lower part of the exterior of the fount which it surrounds. It is secured in place there by applying to its inner surface a vitreous coating or enamel and pressing it against the part of the fount to which it is intended to be secured and while the fount is in a heated state. In this way a firm union of the ring and the fount may be made.

The central draft-tube, B, is preferably made of sheet metal. It is secured in place by means of a coupling-piece, D, consisting of a ring of sheet metal having the edges bent upward concentrically. This ring is of such size that the inner bent-up edge will form a flange which snugly surrounds the central draft-tube, B, and the outer bent-up edge will snugly surround the lower part of the exterior of the ring C. The coupling-piece is soldered to the central draft-tube and the ring or shell C. It thus precludes the escape of oil from the fount around the central draft-tube, as well as fastening the central draft-tube in place.

The central draft-tube is shown as having a foot-piece, E, affixed to its lower end. This foot-piece may be made of metal. It is shown as secured to the lower end of the central draft-tube, and it is of such size at the bottom as to form a support for the lamp. In it are perforations through which air may pass to the interior of the central draft-tube. This foot-piece E may be fitted into a holder attached to a gas-fixture, if desirable. I have shown it as fastened in a holder, F.

The upper end of the central draft-tube extends considerably above the fount, and the portion which extends above the fount forms the inner shell of an annular wick-tube forming part of the burner of the lamp. The outer shell, G, of the wick-tube is fastened to a collar, H, which is secured, by plaster of paris or otherwise, around the opening *a'* in the top of the fount. The other parts of the burner may be of any desired type.

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

1. A lamp having in combination a fount or reservoir, of glass or like material, a central draft-tube, of metal, extending through the fount or reservoir, a ring or shell secured to the exterior of the lower part of the reservoir, and a coupling piece secured to said ring or shell and to the central draft tube, substantially as specified..

2. A lamp having in combination a fount or reservoir, of glass or like material, a central draft-tube, of metal, extending through the fount or reservoir, a ring or shell secured by a vitreous enamel to the exterior of the lower part of the reservoir, and a coupling-piece secured to said ring or shell and to the central draft-tube, substantially as specified.

BENNETT B. SCHNEIDER.

Witnesses:
D. H. DRISCOLL,
J. R. BOWEN.