

(No Model.)

F. DIETZ.
LAMP OR LANTERN.

No. 451,109.

Patented Apr. 28, 1891.

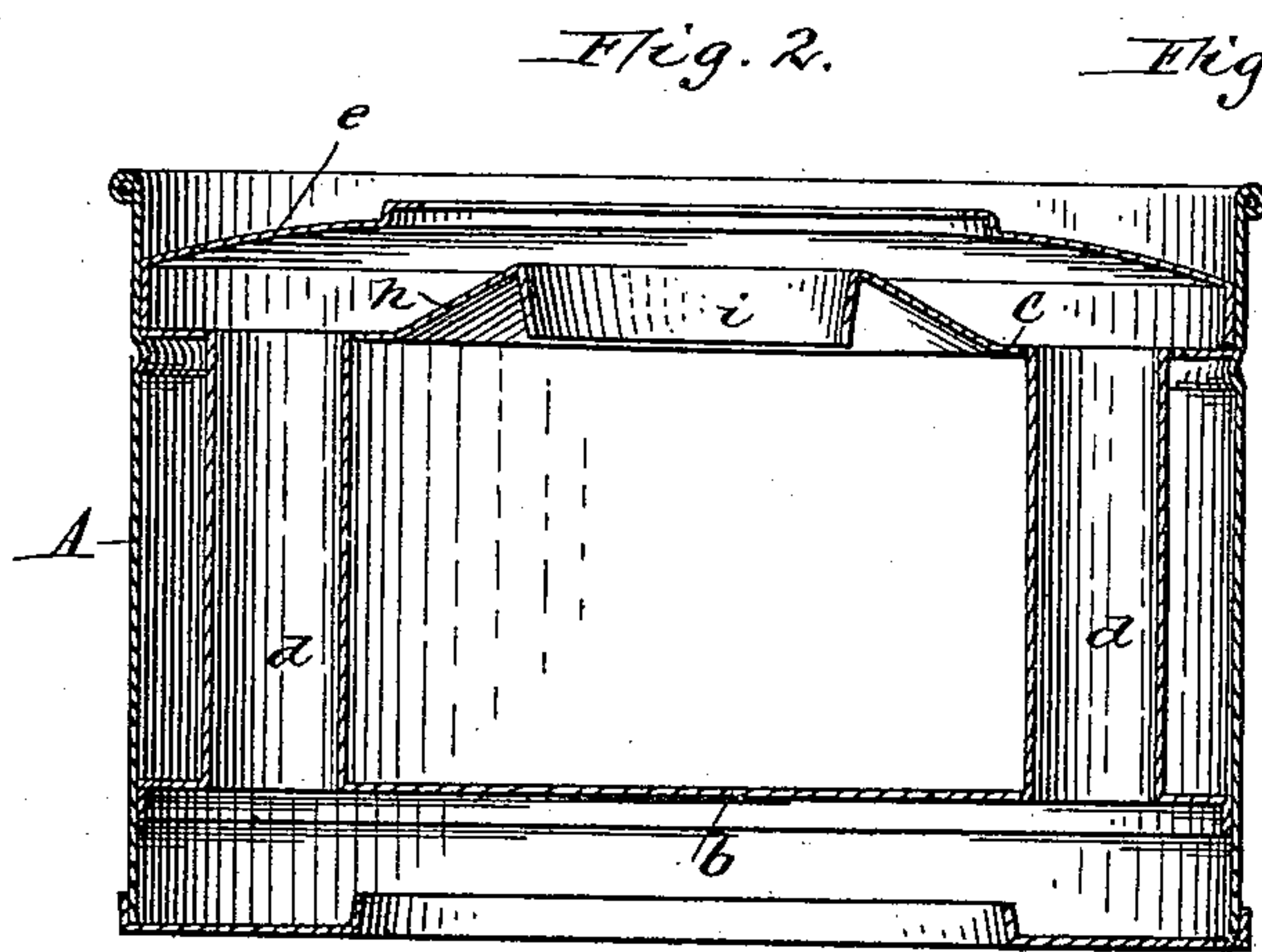
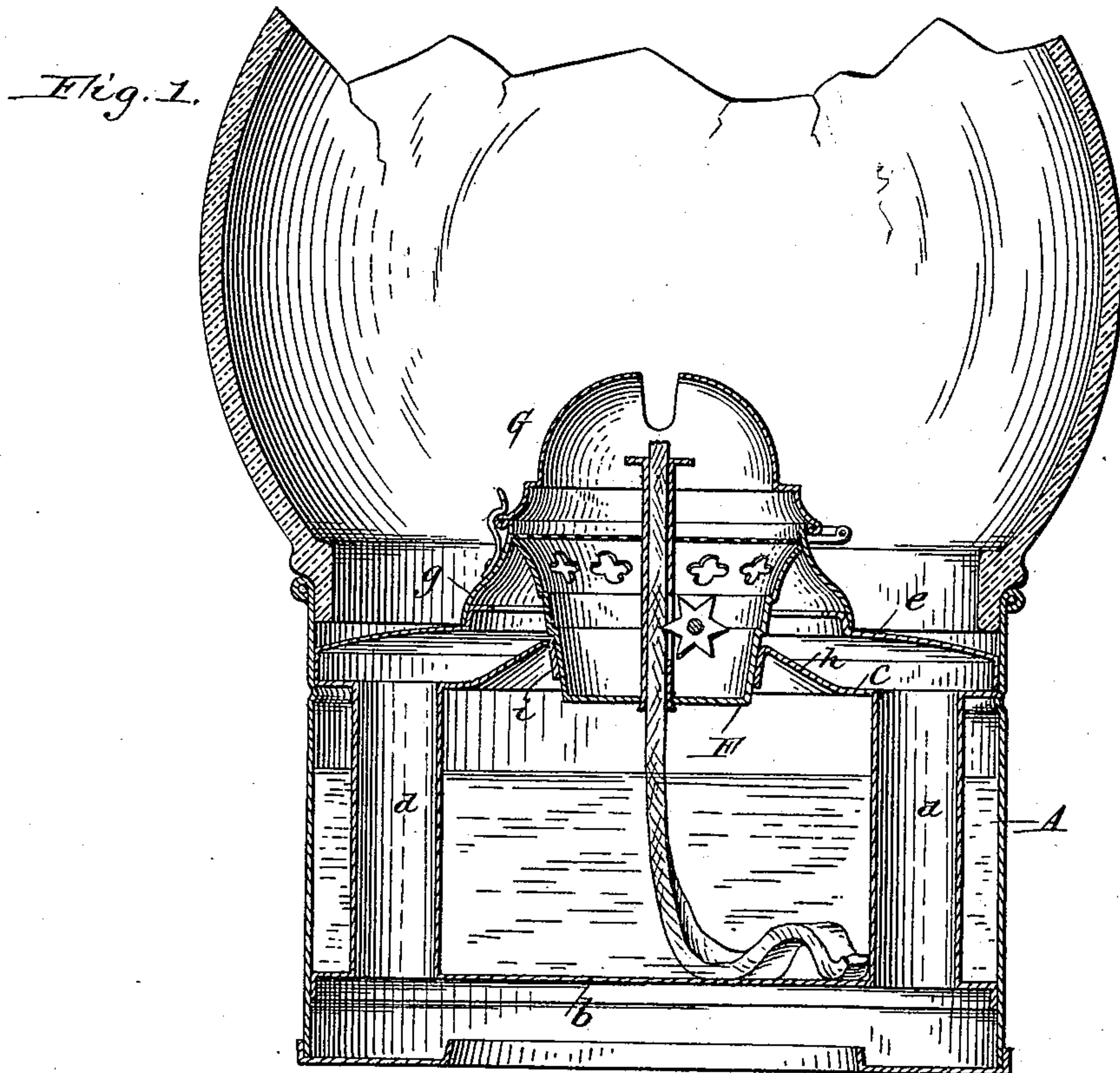
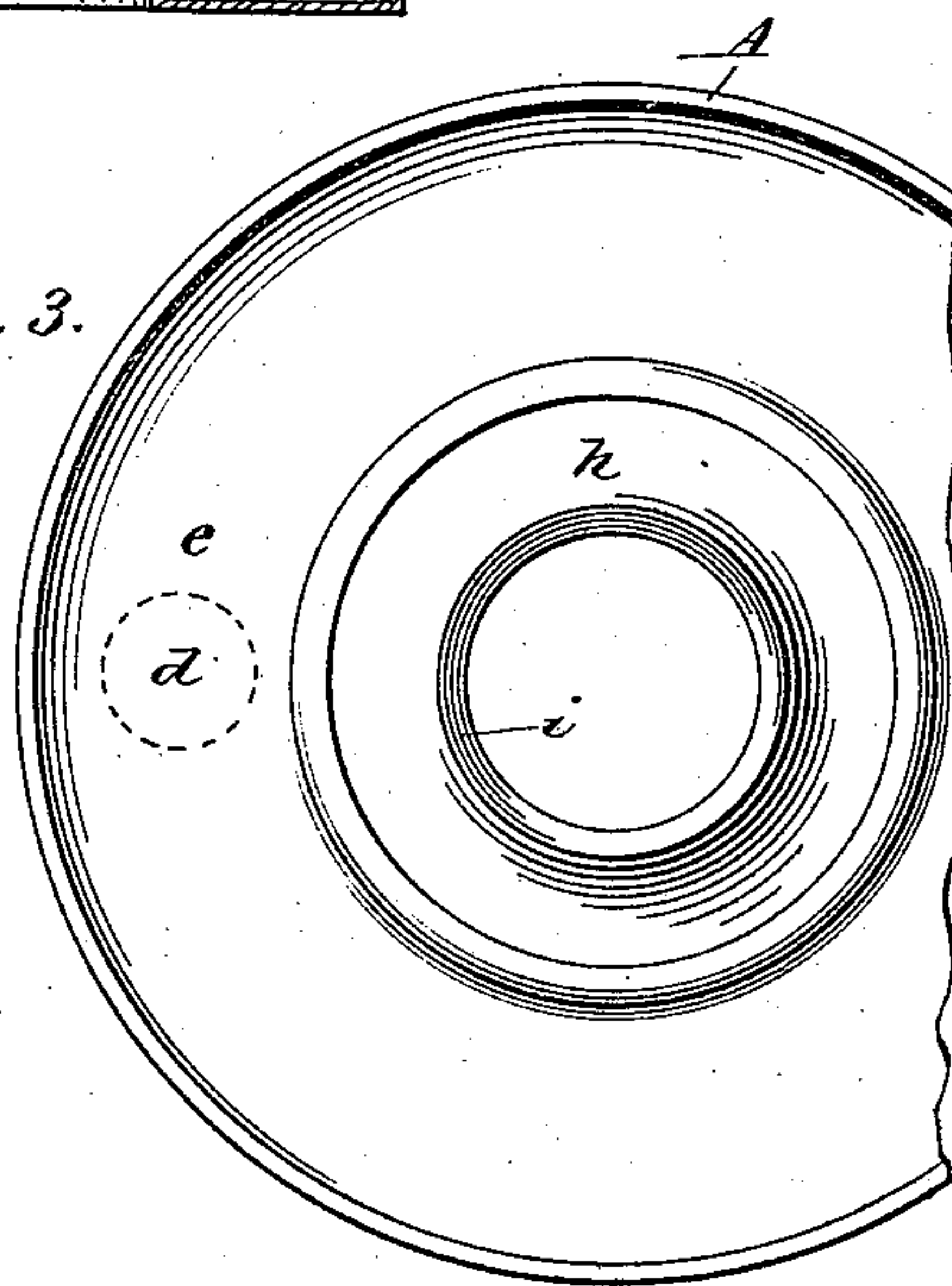


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

FREDERICK DIETZ, OF NEW YORK, N. Y., ASSIGNOR TO THE R. E. DIETZ COMPANY, OF SAME PLACE, AND THE STEAM GAUGE AND LANTERN COMPANY, OF SYRACUSE, NEW YORK.

LAMP OR LANTERN.

SPECIFICATION forming part of Letters Patent No. 451,109, dated April 28, 1891.

Application filed July 7, 1890. Serial No. 357,980. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK DIETZ, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Lamps or Lanterns, of which the following is a specification.

This invention relates to the construction of the seat in the top of the oil-pot in which the burner is placed. Ordinarily the top of the oil-pot is made of tin and the seat for the burner is formed by a brass collar, which is secured in the opening of the top by soldering. This construction is expensive by reason of the cost of the brass collars themselves and the labor and material required for securing them in place.

In tubular street lamps and lanterns in which the oil-pot is surmounted by an air-chamber, upon which the burner-skirt must fit closely, considerable care is required in securing these brass collars to the oil-pots at the exact height which will permit a close fit of the burner-skirt upon the air-chamber.

The object of my invention is to overcome these difficulties, and I accomplish this object by forming the burner-seat or collar integral with the top of the oil-pot, as will be hereinafter fully set forth.

In the accompanying drawings, Figure 1 is a sectional elevation of the oil-pot of a tubular street-lamp with the burner in place. Fig. 2 is a similar view with the burner removed. Fig. 3 is a fragmentary top plan view of the oil-pot.

Like letters of reference refer to like parts in the several figures.

A represents the outer wall of the oil-pot of a tubular street-lamp; b, the bottom plate of the oil-pot; c, the top plate thereof, and d the

vertical air-tubes which pass through the oil-pot.

e represents the top plate of the air-chamber which surmounts the oil-pot.

F represents the lower slightly-tapering portion of the burner, G the burner-cone, and g the skirt of the cone, which fits with its lower portion snugly over a collar surrounding the top opening in the air-chamber.

The central portion h of the top plate c of the oil-pot is raised and is provided with a depending collar i, whereby a raised seat is formed, in which the lower portion of the slip-burner is snugly held. This seat is preferably formed by first drawing the top plate up and then cutting out the center and throwing the depending collar down. This forms a smooth finish at the upper end of the burner-opening, the raw edge of the cut being turned down, and as the top is made by means of dies the burner-seats are all of the same height and form and insure a close fit of the burner in the seat and upon the air-chamber, while the cost is materially reduced.

I claim as my invention—

The combination, with the oil-pot having its top plate provided with a raised central portion formed integral with the top plate and having in its central opening a depending collar made integral with the raised central portion of the plate, of an air-chamber surmounting the oil-pot, and a burner seated with its lower portion in said collar and with its skirt upon the air-chamber, substantially as set forth.

Witness my hand this 2d day of July, 1890.

FREDERICK DIETZ.

Witnesses:

JOHN E. DIETZ,
FRED VAN DUYN.