

(No Model.)

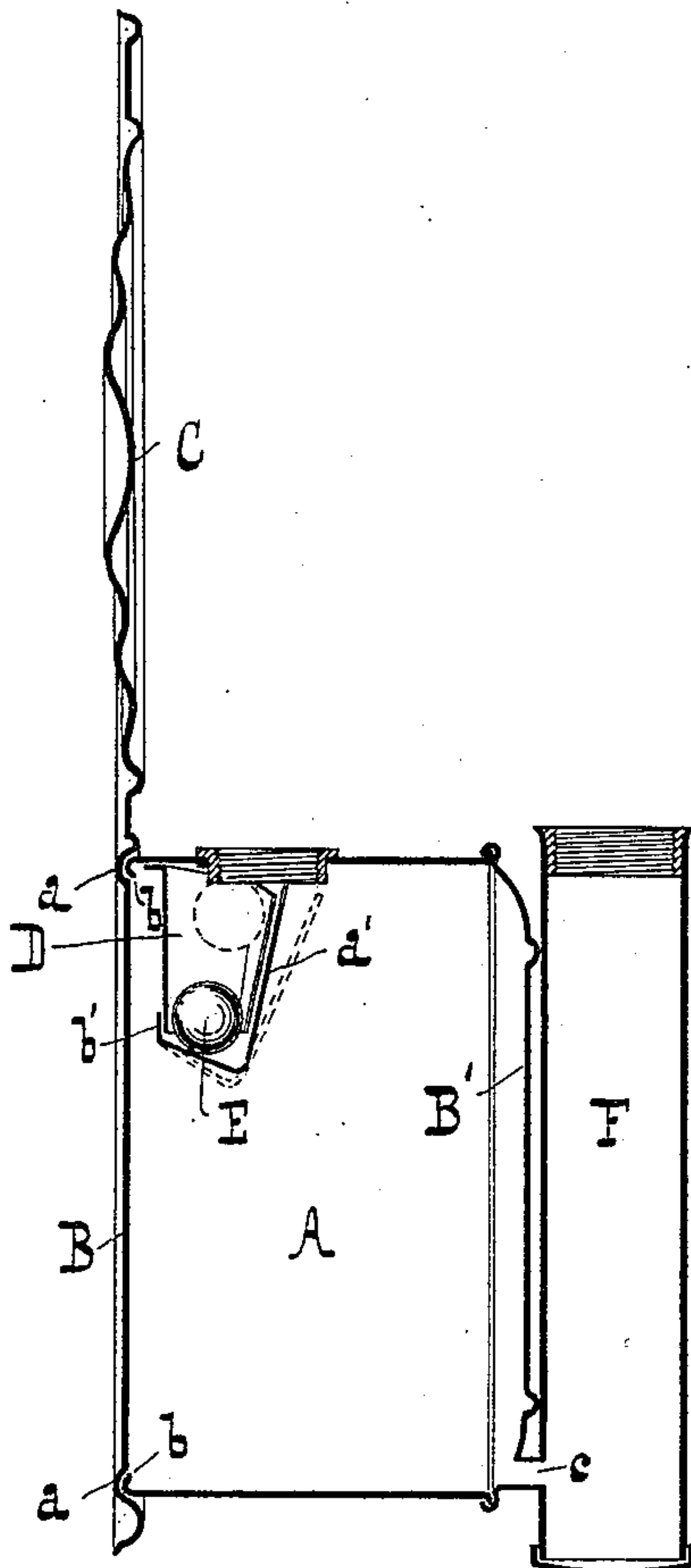
F. W. MERRYMAN.

LAMP.

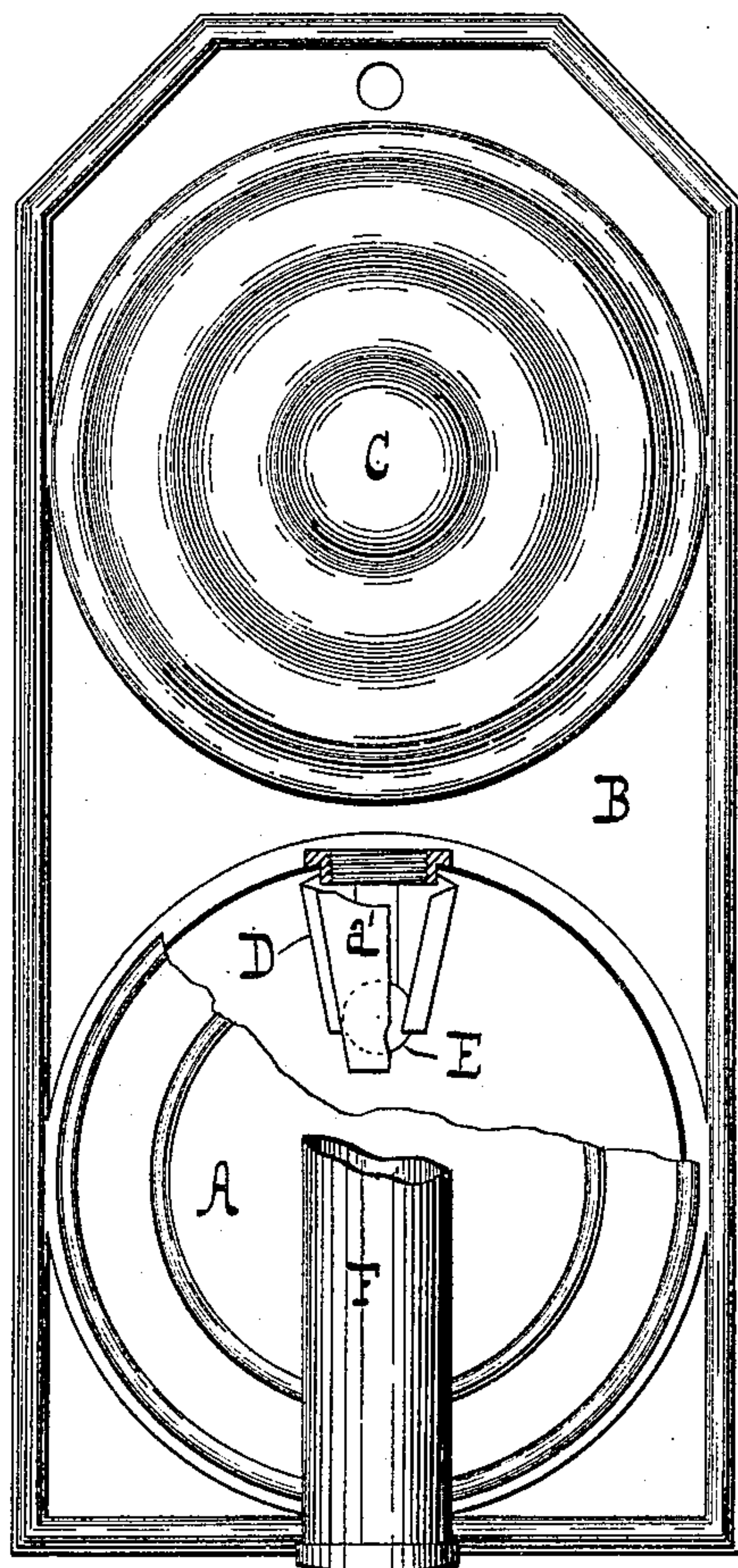
No. 297,429.

Patented Apr. 22, 1884.

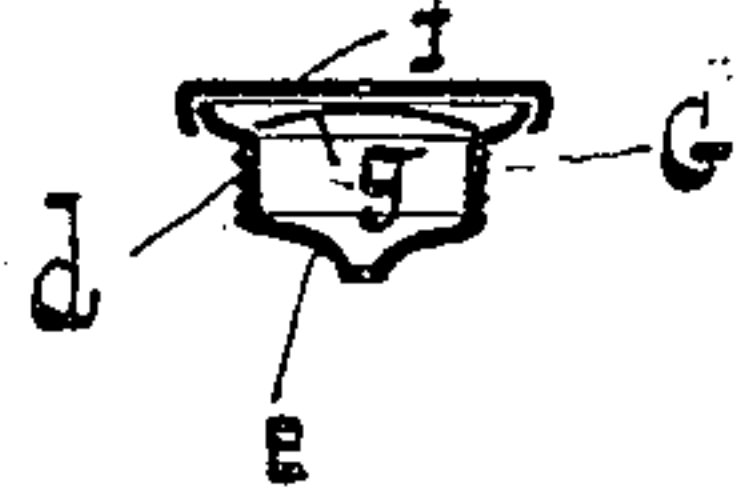
- FIG I -



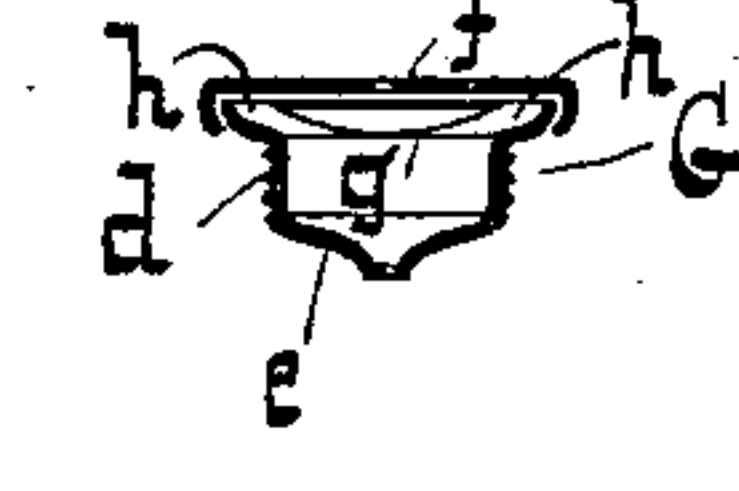
- FIG II -



- FIG III -



- FIG IV -



- FIG V -



- WITNESSES -

Paul Fisher
Remond Reuse

- INVENTOR -

Franklin W. Merryman,
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Atty.

UNITED STATES PATENT OFFICE.

FRANKLIN W. MERRYMAN, OF BALTIMORE, MARYLAND.

LAMP.

SPECIFICATION forming part of Letters Patent No. 297,429, dated April 22, 1884.

Application filed October 18, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN W. MERRYMAN, of the city of Baltimore and State of Maryland, have invented certain Improvements in Lamps, of which the following is a specification.

This invention relates to certain improvements in that class of lamps which are designed for attachment to a wall.

10 The said invention consists, first, in forming a corrugated reflector in and from the material forming the back of the lamp.

15 The said invention consists, secondly, in constructing the oil-reservoir in such manner as to dispense with one head and a seam, thus simplifying the manufacture and decreasing the cost.

20 The said invention consists, thirdly, in providing the float-tube with a spring which, in its normal position, prevents the float rising to the filling-nozzle, but which may be sprung out to admit of the withdrawal of the said float and the substitution of another through the filling-nozzle in case the float is broken 25 or becomes impaired in efficiency from any other cause.

The said invention consists, fourthly, in a novel construction of the ventilated cap for the filling-nozzle, as will hereinafter fully appear.

30 In the accompanying drawings, forming a part hereof, Figure I is a vertical side section of the improved lamp. Fig. II is a front view of the lamp with certain parts thereof removed. Figs. III and IV are sections of 35 the cap as seen from different points of view. Fig. V is a top view of a portion of the cap.

Similar letters of reference indicate similar parts in all the views.

40 A is a cylindrical oil-reservoir, one end of which is secured to the back B, and the other end provided with a head, B'. The back B has an annular depression, *a*, into which the rear edge of the cylindrical reservoir, which is turned in, is soldered. By this construction one head only is required, the back B 45 forming the other. The turning in of the rear edge of the reservoir insures an absolutely-tight joint, as the unturned surface *b* is not relied upon in forming the connection.

50 C is a reflector, formed by corrugating a circular portion of the back B, which is made of bright tinned plate. The reflector, made as described, requires no fastenings, and a

permanent and effective reflecting-surface is obtained at a trifling cost by merely stamping 55 the back with suitably-shaped dies.

D is the float tube or chamber in which the float E is confined. The bottom and front of the float-chamber are formed of a spring, *a'*, attached to the back wall of the chamber at *b'*. 60 The normal position of the spring *a'* is shown by its full delineation, and while it is in this position the float E cannot ascend higher than the lower edge of the filling-nozzle. When the spring *a'* is forced to the position shown 65 in dotted lines, ample space is allowed for the withdrawal of the float, as will be readily understood.

F is the wick-tube, connected to the oil-reservoir A by means of a small pipe, *c*. 70

G represents the cap of the filling-nozzle, and it consists of a threaded cylinder, *d*, having a perforated conical bottom, *e*, a fixed centrally-perforated plate, *f*, and a bent circular disk, *g*, which rests within the cylinder 75 *d* and directly under the plate *f*.

The disk *g* prevents oil, which enters through the perforated conical bottom *e* of the cylinder *d*, finding a direct outlet through the perforated plate *f*, and as it is bent or curved, as 80 shown, spaces *h* are formed, which give free access for air to the oil-chamber A.

I do not claim, broadly, a lamp with a corrugated reflector, as I am aware that lamps have been made with the back adapted to 85 hold a corrugated silvered-glass reflector.

I claim as my invention—

1. The back B of the lamp, corrugated to form the reflector C, substantially as specified.

2. In a lamp, the cylindrical reservoir A, 90 with one of its ends secured to the back B and the other provided with the head B', substantially as and for the purpose specified.

3. The open-sided float-chamber D, having as a part thereof a spring, *a'*, substantially as 95 and for the purpose specified.

4. In combination with the lamp, the cap G, which consists of the threaded cylinder *d*, having the perforated conical bottom *e*, and plate *f*, combined with the curved circular 100 disk *g*, substantially as specified.

FRANKLIN W. MERRYMAN.

Witnesses:

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RENOUX REESE.