

(No Model.)

C. F. A. HINRICHS & C. REISTLE.
Lamp.

No. 243,134.

Patented June 21, 1881.

Fig. 1.

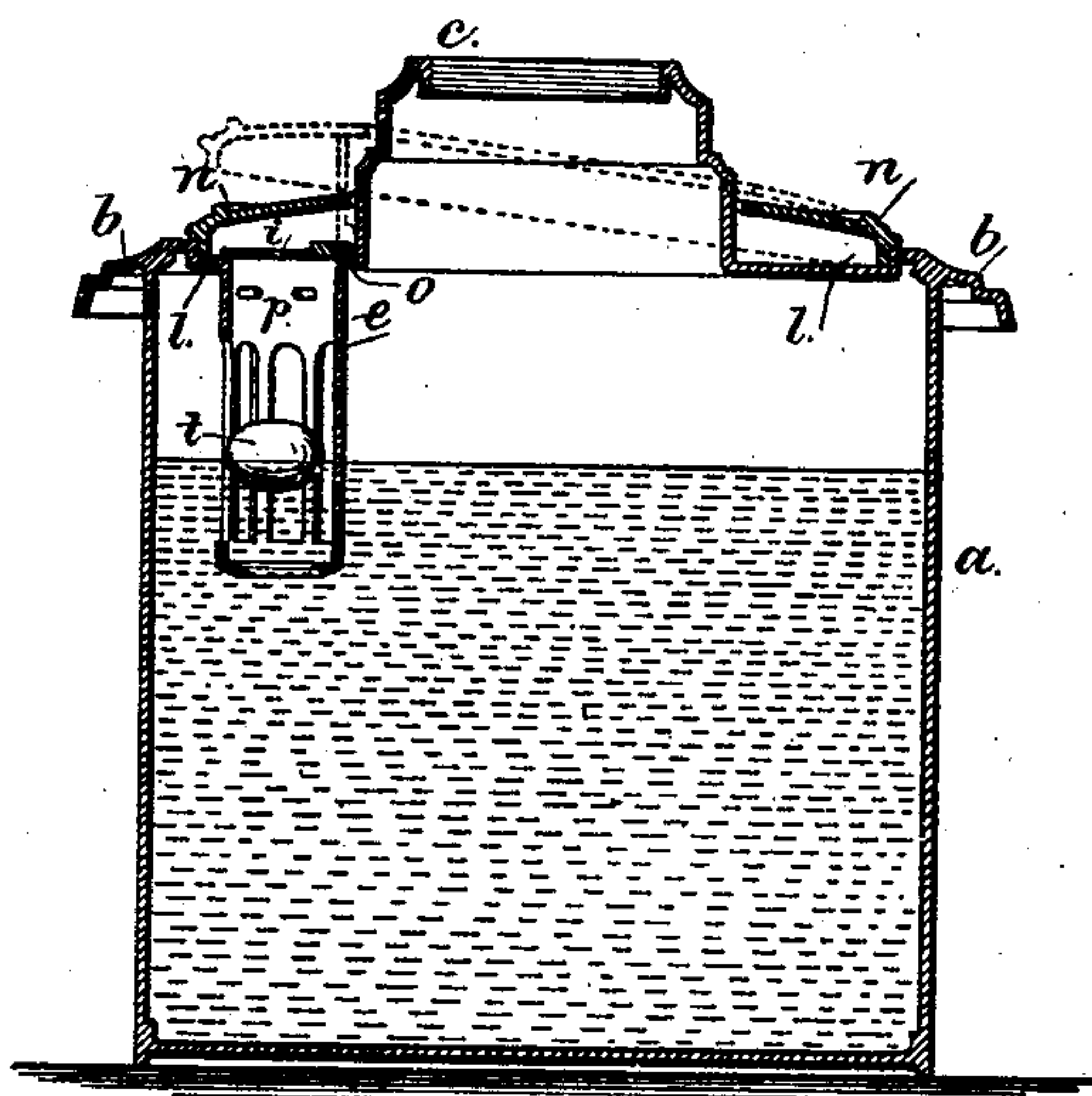
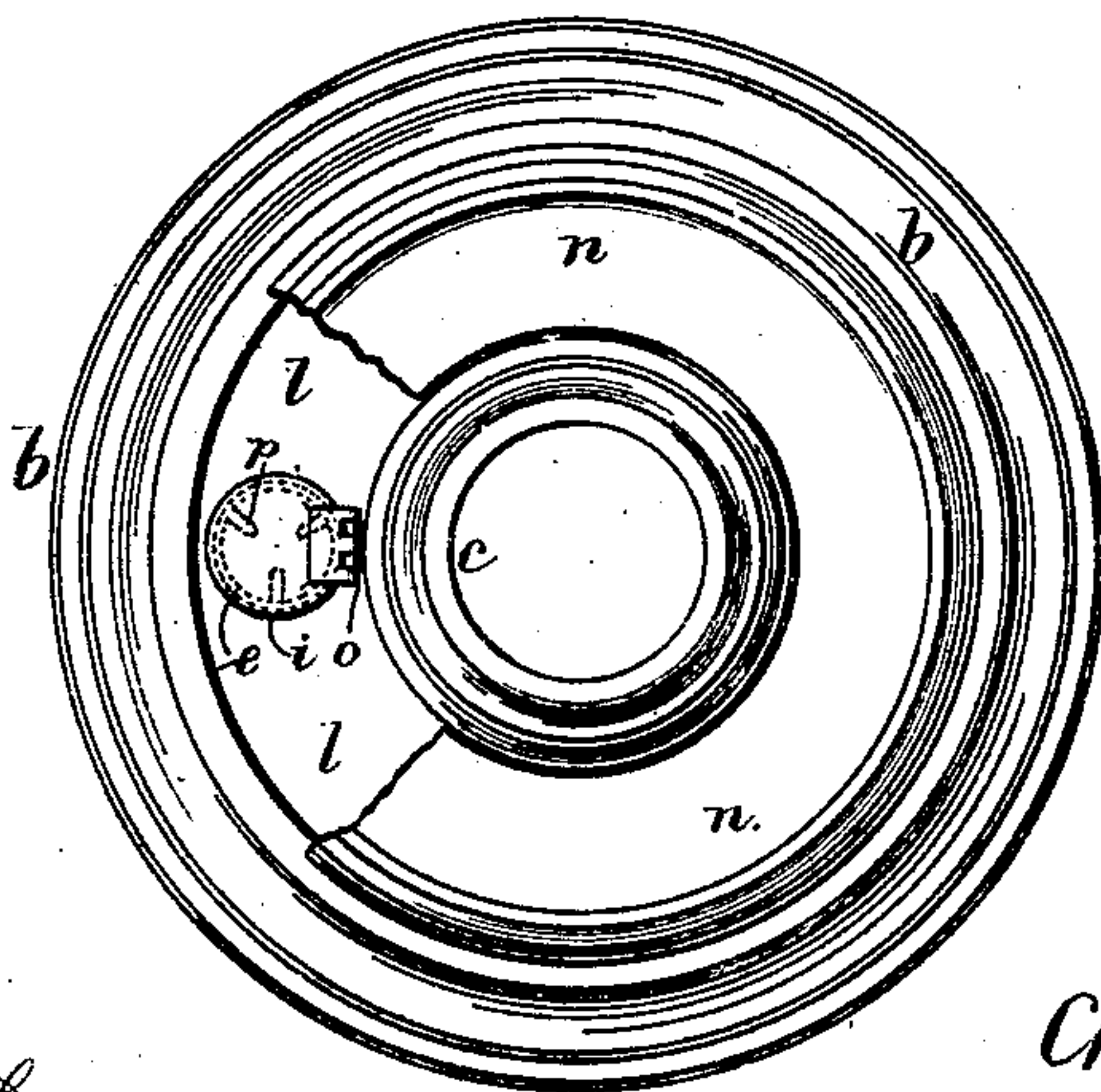


Fig. 2.



Witnesses

Chas. H. Smith
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per Lemuel W. Ferrell

att'y

UNITED STATES PATENT OFFICE.

CHARLES F. A. HINRICHS AND CHARLES REISTLE, OF BROOKLYN, NEW YORK, ASSIGNORS TO SAID HINRICHS.

LAMP.

SPECIFICATION forming part of Letters Patent No. 243,134, dated June 21, 1881.

Application filed February 14, 1881. (No model.)

To all whom it may concern:

Be it known that we, CHARLES F. A. HINRICHS and CHARLES REISTLE, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Lamps, of which the following is a specification.

Lamps have been made with a metallic reservoir for holding the kerosene or other oil, and a filling-neck has been provided at one side, covered by a screw-cap. In lamps of this kind the height of the oil in the reservoir cannot easily be observed, and frequently the flow of oil in filling the reservoir is not stopped in time to prevent the same running over. This filling-neck and screw-caps are objectionable in appearance, especially with ornamental mantel-lamps.

This invention is made for the purpose of indicating the height of the oil and preventing the overflow; also, for returning into the lamp any oil that might otherwise flow over the outside, and for covering the filling-neck and cap, so that they are not noticeable when the parts of the lamp are in their normal positions.

In the drawings, Figure 1 is a vertical section of the lamp-reservoir, and Fig. 2 is a plan of the same with part of the covering-ring removed.

The reservoir *a* is preferably of metal, and the size and shape of the same may vary according to the character of the lamp. The screw-collar *c* is adapted to receive any of the well-known kinds of lamp-burners, and it is in the center of the ring-formed top *b* of the reservoir *a*. The filling tube or neck *e* is adapted to receive oil from the spout of a can, and it is provided with a cover or cap, *i*. We prefer to make such cover flat to set upon the top end of the tube *e*, and attached by a hinge, *o*, upon which it may be turned up in opening or closing the filling-tube *e*.

There is an annular depression or groove, *l*, in the top *b* of the reservoir, within which is the filling-tube *e*, so that any oil that may escape from the burner or be spilled in filling will be caught in this groove and run into the reservoir.

In filling the lamps that have a reservoir of the present character it is difficult to see the

height of the oil poured therein, and many accidents have occurred from overflow. We provide a float, *t*, in combination with the lamp and filling-tube, whereby the rise of the oil is indicated in time to remove the spout of the can before the oil flows over. This float *t* is preferably of cork, and it is within a basket or slotted extension of the filling-tube *e*, so that it always rises within the said filling-tube, and becomes visible before the reservoir is full.

A cross-bar or prongs at *p* prevent the float being removed from the basket or open-work portion of the filling-tube.

If the groove *l* and filling-tube cap *i* were visible in highly-ornamental lamps, they would be objectionable in appearance. We therefore make use of movable ring *n*, that is of a size to surround the screw-collar and of sufficient width to cover the groove *l* and cap *e*, and the rim of this ring should also extend down into the groove *l*, as shown. The surface of this ring is to be ornamented to correspond with the base and other portions of the lamp. It improves the appearance, and also closes the groove and filling-tube in such a manner that there is no risk of any overflow oil catching fire.

The hinged cap to the filling-tube serves to hold up the ring when the parts are in the position shown by dotted lines, Fig. 1, for the oil to be poured into the lamp-reservoir.

We claim as our invention—

1. In combination with the lamp-reservoir having an annular groove in its upper surface and the filling-tube, the removable ornamental ring *n*, surrounding the collar upon the reservoir and covering the groove and filling-tube, substantially as set forth.

2. The combination, with the lamp-reservoir, filling-tube, and the removable ring *n*, of the hinged cap to the filler, forming also, when open, a support for the ring, substantially as set forth.

Signed by us this 7th day of February, A. D. 1881:

C. F. A. HINRICHS.
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Witnesses:

GEO. T. PINCKNEY,
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