

L. H. OLMSTED.  
Lamp.

No. 196,762.

Patented Nov. 6, 1877.

Fig. 1.

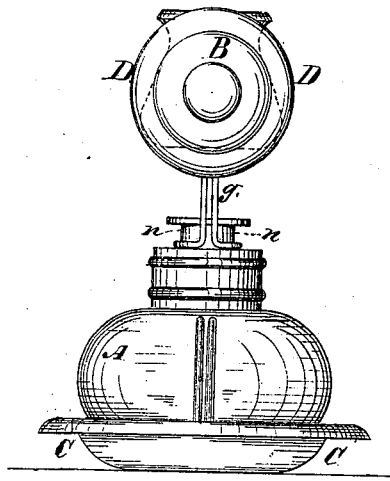


Fig. 2.

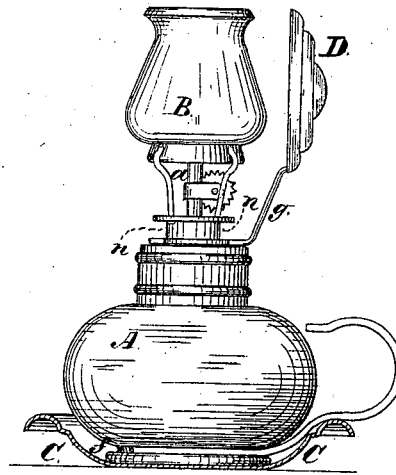


Fig. 3.

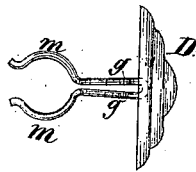
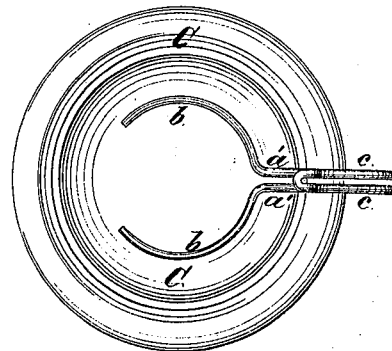


Fig. 4.



Witnesses:  
Henry Cichling  
Edward Holly

Inventor:  
Leverett H. Olmsted  
per James A. Whitney  
Attor.

# UNITED STATES PATENT OFFICE.

LEVERETT H. OLMSTED, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **196,762**, dated November 6, 1877; application filed September 27, 1877.

*To all whom it may concern:*

Be it known that I, LEVERETT H. OLMSTED, of Brooklyn, in the county of Kings and State of New York, have invented certain Improvements in Lamps, of which the following is a specification:

This invention relates to a novel means of attaching a lamp to a suitable tray, either for holding the same more steadily in position, or to facilitate the carrying thereof, and at the same time bring the lamp to be readily detached from the said tray, when required.

Figure 1 is a side view of a lamp constructed according to my invention. Fig. 2 is a side view and partial sectional view of the same, taken in a plane at right angles to Fig. 1. Fig. 3 is a plan view of one portion of the apparatus, and Fig. 4 a plan view of another portion.

A is the oil vessel or reservoir of the lamp, surrounded by a suitable wick-tube, *a*, and chimney B. C is a tray, designed to receive the oil-reservoir A, and be attached thereto to hold the same with greater steadiness than would be possible if the oil-reservoir A were simply placed directly upon a table or other like support. Provided on the upper surface of the bottom of this tray C are springs *b*, each of these springs approximating semicircular form, and preferably attached to shanks *a'* to increase their capacity for lateral movement.

When desired, these two springs *b* may be formed of a single piece of wire, which, moreover, may be bent to form a handle or thumb-piece to the tray C, as indicated at *c*. The structure or character of the spring, however, may be modified within wide limits, and may be of any structure that will operate to clasp or hold the reservoir A.

This lower portion or base of the reservoir, it must be mentioned, is grooved, as shown at *f* in Fig. 2, or made of other equivalent form, so that when this base is thrust between the spring or springs provided to the tray C, the said spring or springs will clasp into the groove *f*, or the like, and thereby firmly hold or retain the reservoir A firmly upon the bottom of the tray C, and at the same time be capable of yielding to permit the removal of the reservoir A—in other words, of the lamp, when desired.

D is a shade, which may be of any suitable contour or configuration, and provided with a stem, *g*, to the lower end of which are provided the springs *m*, which clasp around the cap *n* of the reservoir A, or, in other words, around the lower part of the burner, so that the springs thereby retain the shade D in suitable relation with the burner of the lamp.

It is, of course, to be understood that the springs *m* may be of any suitable configuration to effect their purpose, and may, when desired, be made to clasp direct upon the wick-tube, instead of upon the cap *n*; or may even, if desired, be made to gripe around any part of the upper portion of the lamp.

It is, of course, to be understood that the inside of the shade may be made to act as a reflector, when desired.

What I claim as my invention is—

A lamp-tray provided with a spring for grasping and holding a detachable lamp, and thereby retaining the lamp upon the tray.

L. H. OLMSTED.

Witnesses:

EDWARD HOLLY,  
H. WELLS, Jr.