

(No Model.)

L. R. WALKER & C. W. W. BALL.
Lamp.

No. 232,318.

Patented Sept. 14, 1880.

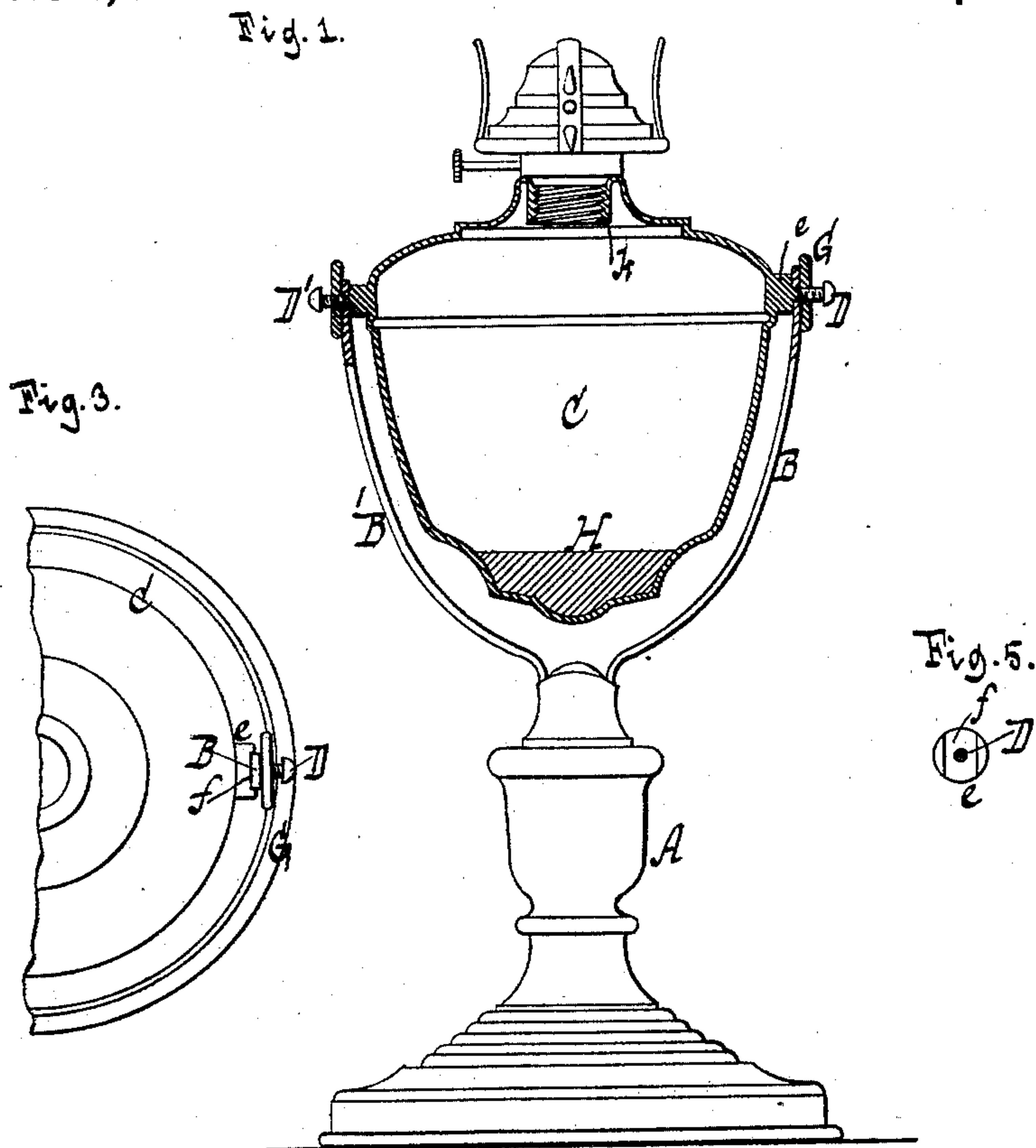
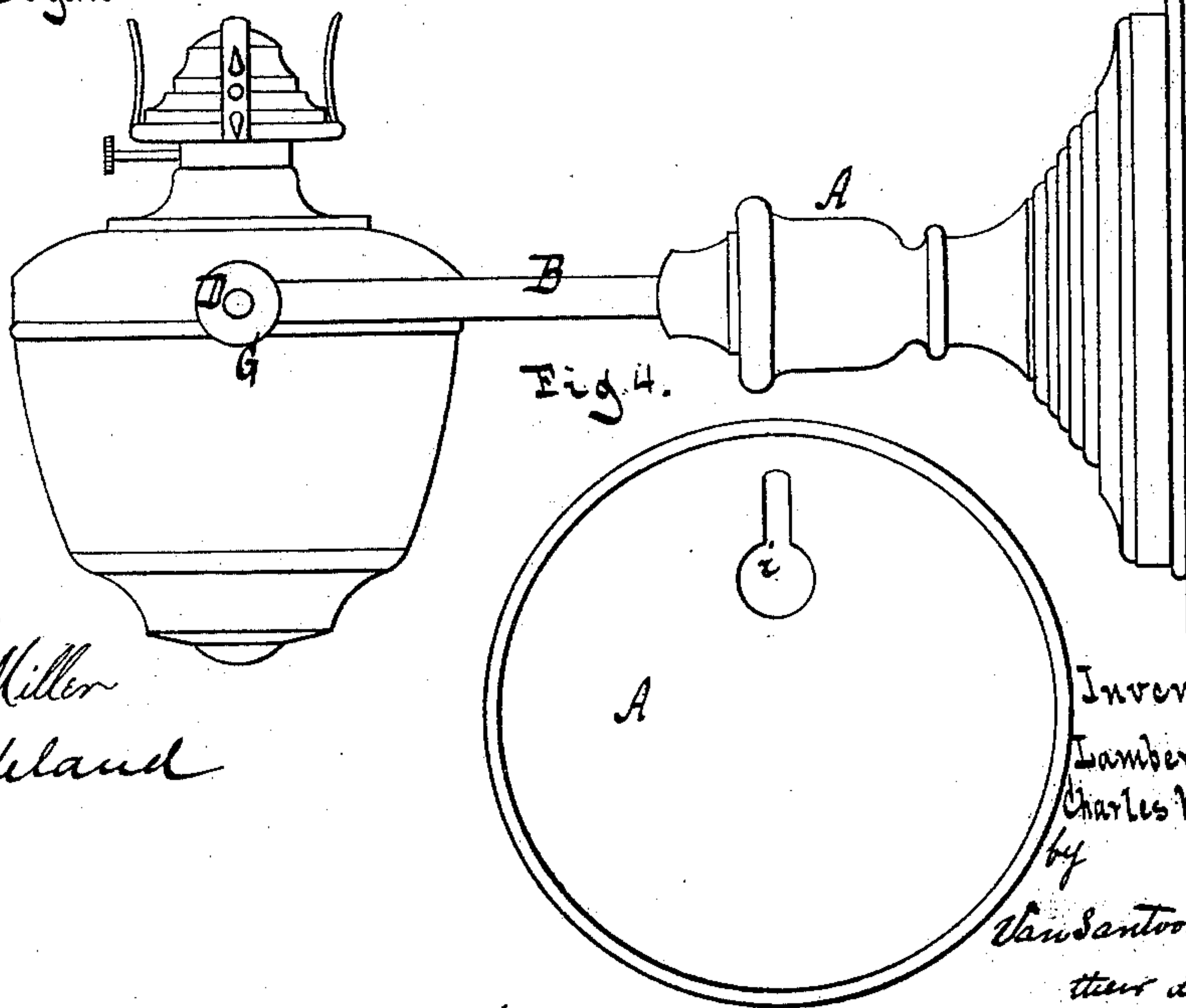


Fig. 2.



Witnesses
William Miller
Otto Hufeland

Inventors
Lambert A. Walker
Charles W. W. Ball.

by
Van Santvoord & Hauff
their attorneys

UNITED STATES PATENT OFFICE.

LAMBERT R. WALKER AND CHARLES W. W. BALL, OF NEW YORK, N. Y.

LAMP.

SPECIFICATION forming part of Letters Patent No. 232,318, dated September 14, 1880.

Application filed August 10, 1880. (No model.)

To all whom it may concern:

Be it known that we, LAMBERT R. WALKER and CHARLES W. W. BALL, both citizens of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Lamps, of which the following is a specification.

This invention relates especially to that class of lamps in which the oil-fount is hung on pivots between two arms rising from a base or pedestal.

It consists in making one of the arms elastic and constructing the pivot having its bearing in such arm with a boss having a notch in the end thereof, adapted to receive the elastic arm, and fitting on such pivot a thumb-screw, for clamping the elastic arm in the notch of the boss, thereby locking the fount in its position.

This invention is illustrated in the accompanying drawings, in which—

Figure 1 is a part side view and part section when the whole is used as a stand or pedestal lamp. Fig. 2 is a side view when it is used as a wall or bracket lamp. Fig. 3 is a plan or top view. Fig. 4 is an inverted-plan view. Fig. 5 is a detail view.

Similar letters indicate corresponding parts.

The letter A designates the base or pedestal, having projecting therefrom the arms B B', between which is hung the fount C on pivots D D'.

The arms B B' consist of strips of metal, both possessing inherent elasticity; but it is essential that only one of the arms be elastic—namely, the arm B.

The pivots D D' project from the fount C, and the pivot D has its bearing in the arm B, while it is constructed with a boss, e, next to the fount, in the end or face of which boss is formed a notch, f, of equal width to the elastic arm. On the pivot D is fitted a thumb-nut, G, which is exterior of the elastic arm B.

When the lamp is placed on a perfectly horizontal surface the notch f of the boss is opposite to the elastic arm B, and if the thumb-nut G is then screwed up against this arm, the latter is forced into the notch, as indicated

in Fig. 3, whereby the fount is firmly locked in its position.

When the thumb-nut G is screwed back or away from the elastic arm D the latter springs out of the notch f of the boss, and the fount C is free to turn on its pivots.

The pivots D D' are situated above the center of gravity of the fount C, so that the fount swings on the pivots and has a tendency to remain horizontal, thus insuring the vertical position of the burner. This feature is old in lamps or torches; but it has been impracticable hitherto to use thereon a chimney and shade, because the weight of the fount is insufficient to properly balance these parts.

To overcome this objection we arrange in the bottom of the fount C a weight, H, sufficient to balance the fount, its burner, and the chimney and shade, so that the fount adjusts itself in any condition of the lamp.

The base or pedestal A is provided with a pear-shaped slot, i, or otherwise adapted to be fastened to a wall or other vertical surface, as indicated in Fig. 2, and it will be seen that when the lamp is moved to this position from the position shown in Fig. 1 the weight H performs a very important office.

On the edge of the burner-opening in the fount C is an inwardly-projecting flange, k, having a screw-thread corresponding to and engaging the thread of the lamp-burner.

The object of having this flange k project in an inner direction is to check the oil that may creep up on the inner surface of the lamp-fount and prevent its escape at or through the burner-opening, so that there is no leakage at that point, as in ordinary lamps.

Heretofore a lamp-body has been provided with journals supported in standards, and a thumb-nut has been employed upon one of said journals to secure the lamp in position. Hence the use of a thumb-nut in connection with the journals or pivots of a lamp is not broadly claimed.

What we claim as new, and desire to secure by Letters Patent, is—

In combination with two arms projecting from a base or pedestal, one of such arms being elastic, an oil-fount hung between such

arms on pivots, one of which is constructed with a boss having a notch in the end thereof, adapted to receive the elastic arm, and a thumb-nut fitted on such pivot, for clamping
5 the arm in the notch of the boss, thereby locking the fount in its position, substantially as described.

In testimony whereof we have hereunto set

our hands and seals in the presence of two subscribing witnesses.

LANBERT R. WALKER. [L. S.]
CHARLES W. W. BALL. [L. S.]

Witnesses:

CHAS. WAHLERS,
WILLIAM MILLER.