

S. C. MOORE.
LAMP.

No. 83,874.

Patented Nov. 10, 1868.

Fig. 3.

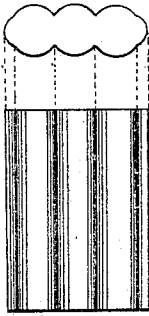


Fig. 2.

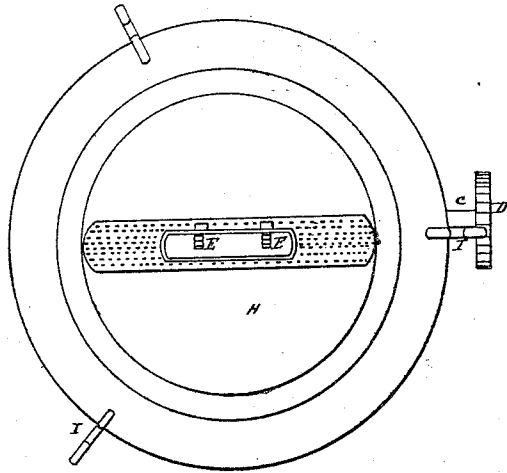
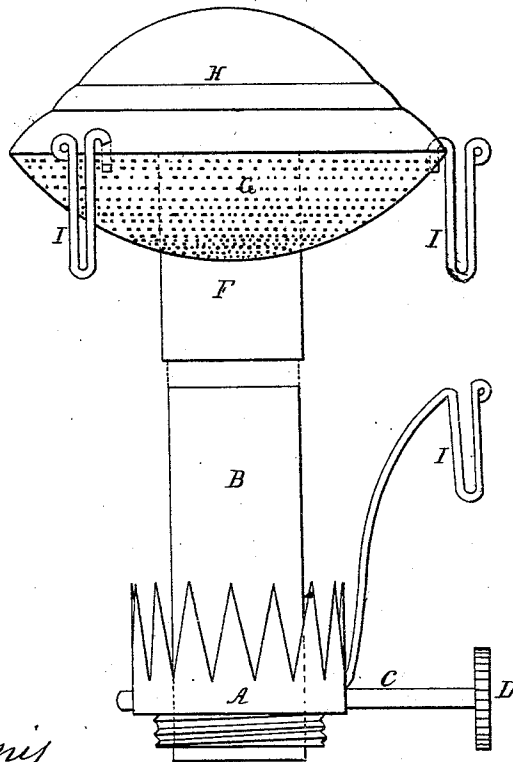


Fig. 1.



Witnesses;

J. J. Dennis
A. J. Dwyer

Inventor;

Charles C. Moore
By his Atty. *J. Dennis Jr*

United States Patent Office.

SAMUEL C. MOORE, OF BOSTON, MASSACHUSETTS

Letters Patent No. 83,874, dated November 10, 1868.

IMPROVEMENT IN LAMPS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, SAMUEL C. MOORE, of Boston, Suffolk county, State of Massachusetts, have invented certain new and useful Improvements in Lamps; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains, to make and use my said invention or improvements without further invention or experiment.

The nature of my invention and improvements consists in the construction and arrangement of a burner for kerosene-lamps, in the manner hereinafter described, and represented in the accompanying drawings.

In the accompanying drawings—

Figure 1 is an elevation of a lamp-top with my improvements,

Figure 2 is a plan or top view of the same; and

Figure 3 is a side and end view of the traversing or outer tube, corrugated.

In these drawings, A is the screw-plate or cup, holding the wick-tube B, and fitted to screw into the top of the oil-cup or vessel, and provided with a horizontal shaft, C, with a finger-disk, D, and notched disks, E B, to adjust the wick, as required.

I make an external tube, F, and fit it to traverse on the outside of the wick-tube B, so that it may be readily adjusted higher or lower on the wick-tube, and held by the friction of one tube against the other, or by some convenient device for that purpose.

The object and purpose of this tube F are to hold the perforated plate or cup G, which is fastened to it, to hold the blaze-cap H, which may be made in the form shown, or in such other form as will answer the purpose, so that by traversing the tube F, the blaze-cap H may be set near to or far from the top of the wick-tube B, to adapt the cap to the size of the blaze, to make the combination more perfect, and lessen the tendency to smoke.

To support the chimney, with its lower end some distance below the edge of the blaze-cap, I fasten some wire hangers or loops, I I, to the edge of the cup or

blaze-cap, or both, so that they hang down some distance below the edge of the blaze-cap and cup, and hold the lower end of the chimney, and support it altogether, if it has no other support; or, these hangers, or braces equivalent, may be fastened to the screw-cup A, and extend upward, so as to support the chimney at the proper height, as above described.

The chimney should be larger than the blaze-cap, so as to leave sufficient space for the air to pass up between the edge of the cap or cup and the chimney, to supply air to the blaze above the cap, and the blaze-cap and perforated cup may be placed a little apart, and be connected by narrow strips, or by the chimney-supporters or hangers, so that less heat may be communicated from the cap above to the cup beneath.

Also, the traversing-tube F may be made corrugated, as represented in fig. 3, and it will then allow the air to pass up between the tubes, and thus keep them, particularly the outer one, much cooler than they would otherwise be, and consequently less heat will be communicated to the cup and cap which they support.

Having thus fully described my invention,

What I claim, and desire to secure by Letters Patent, is—

1. The combination and arrangement of the cap H, cup G, hangers I, slide F, and tube B, all constructed and operating in the manner described.

2. So arranging the chimney-supporters, that the lower edge of the chimney shall extend below the level of the rim of the base-plate, substantially as described and shown.

3. The hangers or supporters I, whether depending from the base-plate or rising from the screw-cup, when so arranged as to support the lower edge of the chimney below the rim of the base-plate, as and for the purpose set forth.

SAMUEL C. MOORE.

Witnesses:

J. DENNIS, Jr.,
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