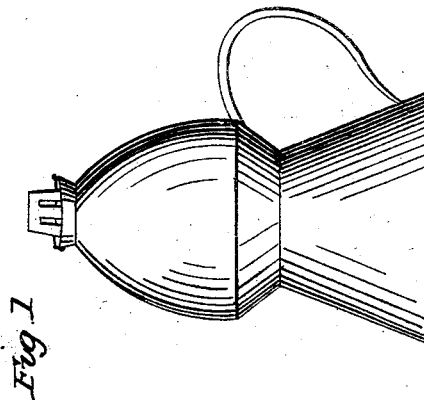
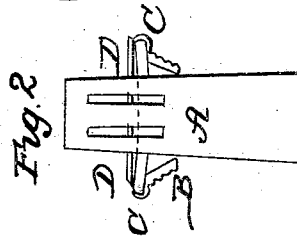
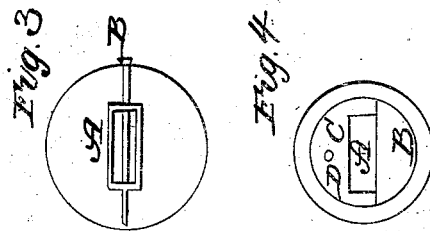


P. J. CLARK.

Lamp.

No. 1,164.

Patented June 7, 1839.



# UNITED STATES PATENT OFFICE.

PARTRICK J. CLARKE, OF MERIDEN, CONNECTICUT.

## LAMP.

Specification of Letters Patent No. 1,164, dated June 7, 1839.

*To all whom it may concern:*

Be it known that I, PARTRICK J. CLARKE, of Meriden, in the county of New Haven and State of Connecticut, a citizen of said State, have invented new and useful Improvements in the Screw-Heads, Tubes and Feeders of Lamps.

The object of my improvements is, to fill or feed the lamp through an orifice in the cup of the screw-head without removing it, and without the use of a separate feeding tube, thereby making a neater article, more easily managed and kept clean and less liable to leakage and to accidents.

My improvements consist principally in the form of the screw head and the cap which covers it.

To enable others to make and use my improvements in the mode which I prefer, I describe the same as follows, viz: I make the screw or head for the top of the lamp, holding the wick tube in the center, in common form, dishing from the top to the bottom, with the improvement hereinafter specified, preferring the tube for the wick in the usual form of a flat tube with one or more slots to regulate the wick. This tube rising through the center of the bottom is soldered to its place, and my improvement thereon consists in making an open orifice in the bottom of the screw-head, extending from one side of the wick-tube to the shell of the screw head, in the form of the segment of a circle which is left open, forming an aperture, through which the oil can be poured to fill or supply the lamp, without removing the screw head and without the inconvenient appendage of a feeder. On the other segment of the circular bottom, I make a small hole to let off the air when filling. As a further improvement, I then cover the top of the screw-head with a cap having a downward lip on the outward edge and made a little concave on the top to concentrate the oil and having a mortise through which the wick-tube passes loosely,

so as to admit the passage of air. This cap is held in place by a common pin passing lengthwise through the tube and wick above the cap. These improvements may be attached to any lamp of metal or glass for burning oil or other suitable materials for producing light and with flat or round wicks. The operation and the advantages of these improvements are that the lamp may be filled by taking off the cap and then pouring the oil into the cup of the screw-head without the aid of a feeder and without removing the wick and tube. The inconvenience of a feeder (often subject to leakage and always difficult to keep clean) is avoided, the facility of cleaning the lamp is greater, the neatness of its appearance is increased and the wick is secured in place.

For further illustration I refer to the drawings accompanying this specification.

Figure 1 represents a jacket lamp with the improvements attached; Fig. 2, a perpendicular section of the screw, cap, and tube in place; A, flat tube; B, cup and thread of the screw; C, the cap; D, pin in place; Fig. 3, the cap; A, the mortise for the tube; B, pin to hold it in place; Fig. 4, perpendicular view of the screw-head; A, mortise for the tube; B, the aperture in the bottom for feeding; C, remaining bottom; D, the air hole.

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

1. An improved mode of constructing the screw head for lamps, which consists in forming them with an aperture on one side of the wick, through which the oil can be poured as herein specified.

2. I also claim the cap and the mode of securing that and the wick as herein specified.

May 20th, 1839.

PARTRICK J. CLARKE.

Witnesses:

SIMEON BALDWIN,  
DENNIS KIMBERLY.