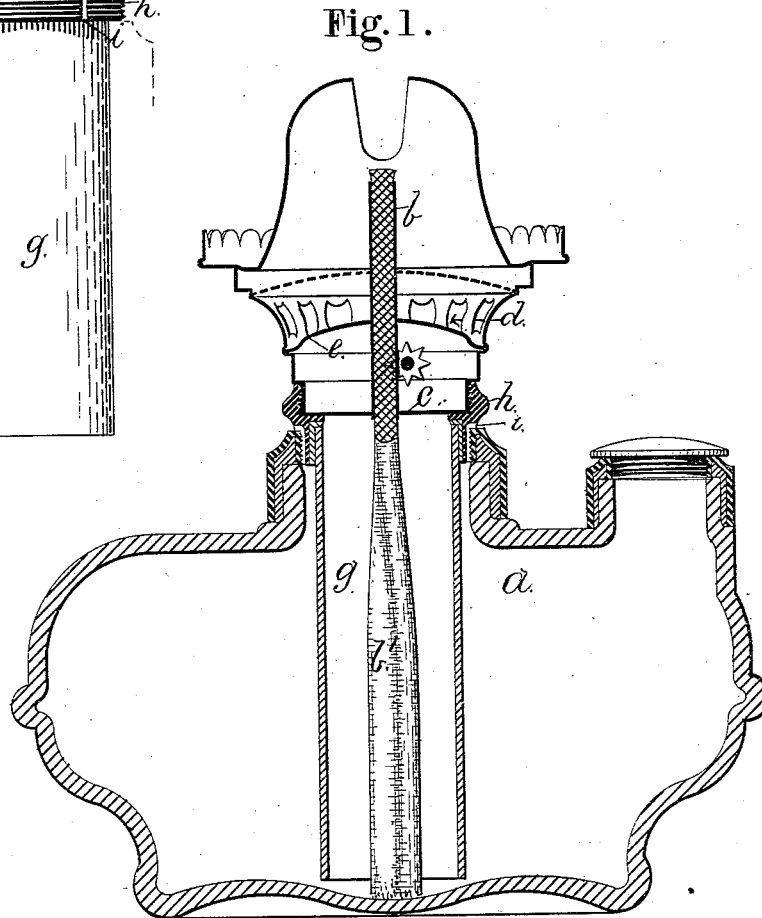
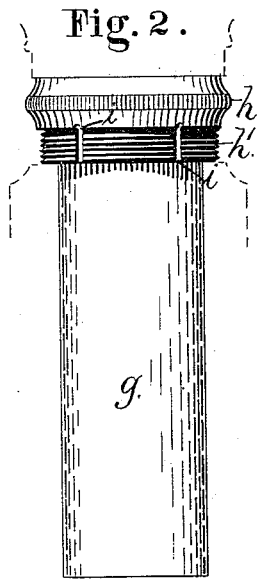


W. M. JACKSON.  
Lamp.

No. 211,850.

Patented Feb. 4, 1879.



WITNESSES:

*Jos. A. Miller Jr*  
*William L. Roof*

INVENTOR:

*Walter M. Jackson*  
*by Joseph A. Miller*  
*att'y*

# UNITED STATES PATENT OFFICE.

WALTER M. JACKSON, OF PROVIDENCE, RHODE ISLAND.

## IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. 211,850, dated February 4, 1879; application filed October 21, 1878.

*To all whom it may concern:*

Be it known that I, WALTER M. JACKSON, of the city and county of Providence, and State of Rhode Island, have invented a new and useful Improvement in Lamps; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to improvements in coal-oil or other lamps in which oil is burned that may under favorable conditions explode. It is also applicable to oil-stoves; and consists in a novel burner attachment for preventing the accumulation of explosive gases within the oil-receptacle of a lamp or oil-stove, as will be more fully set forth hereinafter, and pointed out in the claim.

In the drawings, Figure 1 is a sectional view of my improved lamp, and Fig. 2 a view of the detachable cylinder.

*a* represents the body of the lamp or oil-reservoir; *b*, the wick-tube, extending from the diaphragm *c* to the burner. *b'* is the wick. *c* is a diaphragm, which, with the diaphragm *e* and the sides, forms a gas-tight chamber, through which the wick-tube passes, and in which the wick-regulating wheel is located. *d* are holes for admitting air to the burner. *g* is the cen-

tral cylinder, made preferably of glass or other transparent material. It is secured to the milled rim *h*, provided with the screw-thread *h'*, in which the air-passages *i i* are made, as shown, and can be readily secured to the lamp proper, extending downward to near the bottom, and thus dividing the oil within the cylinder *g* from the main body of the oil contained in the lamp, and also confining any explosive gas within the cylinder *g*; and as the diaphragms *c* and *e* completely separate the flame from the gases or oil in the tube *g*, the lamp becomes practically non-explosive.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with a lamp-burner, of a ring having an imperforate cylinder secured to its lower end, the lower portion of said ring provided with screw-threads for its attachment to the lamp, the screw-threaded portion being slotted vertically, and the shoulder of the ring slotted horizontally, to constitute passages *i* for the escape of gases from within the lamp, substantially as set forth.

WALTER MARSH JACKSON.

Witnesses:

JOSEPH A. MILLER,  
JOS. A. MILLER, Jr.