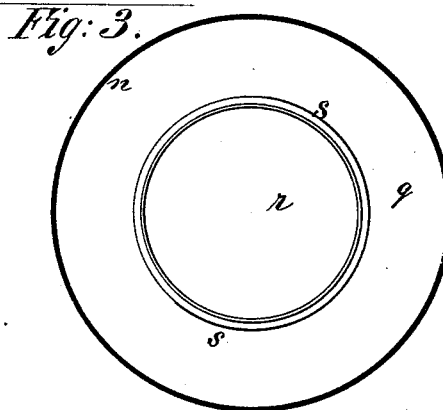
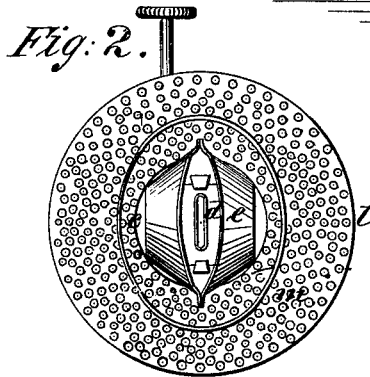
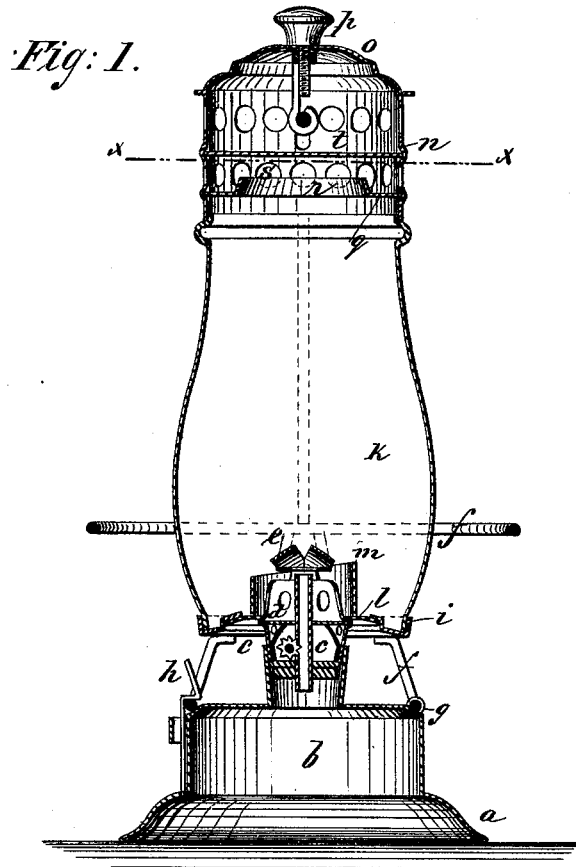


P. J. CLARK.  
Lantern.

No. 213,388.

Patented Mar. 18, 1879.



WITNESSES:

*A. Schehl.*  
*C. Sedgwick*

INVENTOR:

*P. J. Clark*  
BY *Mumford*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

PARTRICK J. CLARK, OF WEST MERIDEN, CONNECTICUT.

## IMPROVEMENT IN LANTERNS.

Specification forming part of Letters Patent No. 213,388, dated March 18, 1879; application filed August 23, 1878.

*To all whom it may concern:*

Be it known that I, PARTRICK J. CLARK, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new and Improved Lantern, of which the following is a specification:

The object of my invention is to prevent disturbance of the flame by currents of air, and to keep the top of the lantern cool.

The invention will first be described in connection with the drawings, and then pointed out in the claim.

In the accompanying drawings, Figure 1 is a vertical section of a lantern. Fig. 2 is a plan of the burner with the top removed, and Fig. 3 is a plan view at the line *xx* in larger size.

Similar letters of reference indicate corresponding parts.

*a* is the base of the lantern; *b*, the oil receptacle, and *c* the burner, that is attached to the reservoir *b* in any desired manner. *d* is the wick-tube, and *e* is the cone, having a flame-slot, as usual.

The wire frame *f* is hinged at *g*, and when turned over the burner it is held by a catch, *h*. *i* is the ring around the burner, upon which the glass globe *k* rests, and *l* is a foraminous plate covering the space between the burner and the ring. These parts are of usual character.

*m* is an annular metallic band attached to the upper side of the plate *l* around the burner *c*. The upper edge of the band *m* is nearly in line with the top of wick-tube *d*.

The band *m* does not prevent access of air to the flame, but cuts off cross-currents and sudden drafts, that would disturb the flame.

*n* is a perforated metal ring at the top of the globe *k*. *o* is the ornamental top plate, and *p* is a screw-knob, for tightening the parts after the globe *k* is inserted. *q* is a plate within the ring *n*, having a central opening, *r*, for the heated air to pass through. I provide a raised rim or flange, *s*, around the opening, which prevents the air that may come in at the openings in the ring *n* from driving down upon the flame.

*t* is a plate attached within the ring *n* above the plate *q*, so that there is a space between plate *t* and the top *o*, which space communicates with the outer air by openings in ring *n*. The plate *t* has the effect of keeping the top *o* comparatively cool, as the heated air cannot come in contact with the top *o*.

The improvements described may be applied to any form of lantern.

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

The combination, with the globe *k*, of the perforated ring *n*, the top piece, *o*, and the plates *q* *t*, the former having central aperture, *r*, and flange *s*, as and for the purpose specified.

PARTRICK J. CLARK.

Witnesses:

RATCLIFFE HICKS,  
JOHN Q. THAYER.