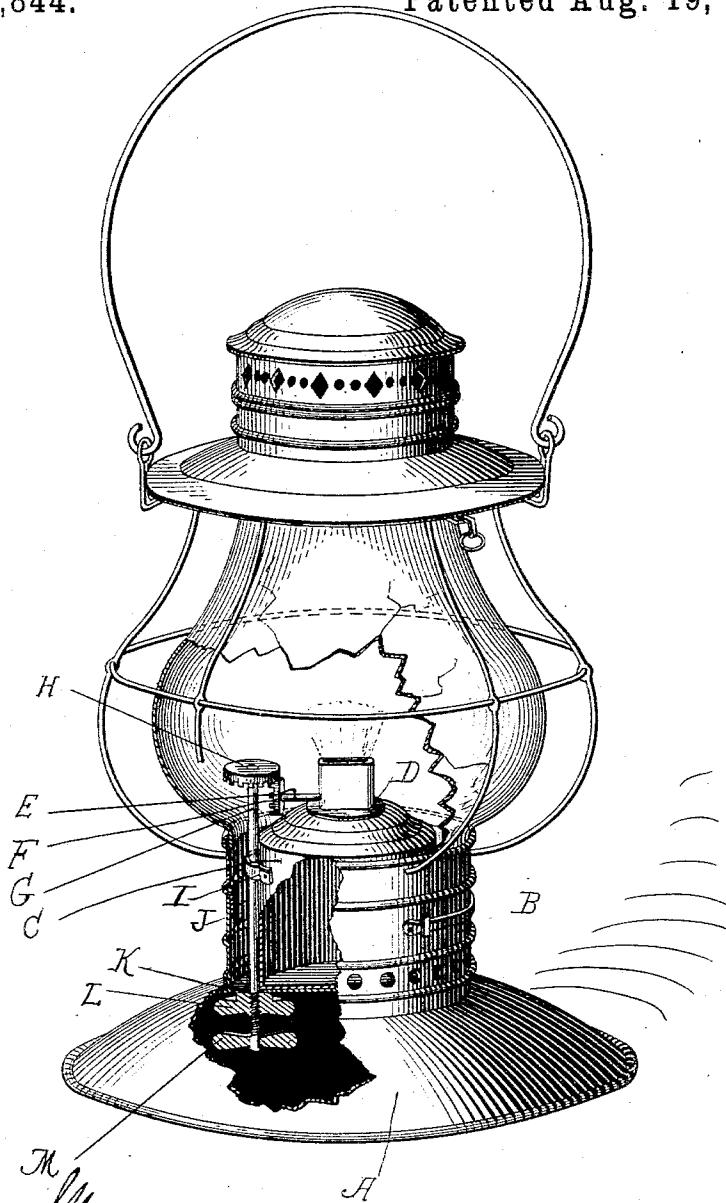


(No Model.)

M. C. HARNEY.  
LANTERN OR LAMP.

No. 303,844.

Patented Aug. 19, 1884.



*Thomas Hogan*  
*M. C. Harney*  
Witnesses:

*Michael C. Harney*  
Inventor.

# UNITED STATES PATENT OFFICE.

MICHAEL C. HARNEY, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF TO  
ANN BRENNAN AND WILLIAM N. BRENNAN, OF SAME PLACE.

## LANTERN OR LAMP.

SPECIFICATION forming part of Letters Patent No. 303,844, dated August 19, 1884.

Application filed August 4, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, MICHAEL C. HARNEY, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented an Improvement in Wick-Raisers, of which  
5 the following is a specification.

My invention relates to those wick-raising devices in which a vertical shaft, a horizontal shaft, and contrate or crown wheels  
10 connecting the shafts are employed to adjust the wick from beneath the fount or reservoir, the vertical shaft being secured to the outside of the fount or reservoir, its lower end being  
15 passed down through the base, and provided with a wheel, by which it may be turned.

My improvement consists in certain details of construction, hereinafter described, and pointed out in the claims, whereby the means for operating the wick-shaft tend to hold the  
20 latter to its bearings, thus preventing the displacement of the burner cone or cap by the elevation of the wick-shaft, as in previous devices where the means for turning the wick-shaft are located beneath or on one side of the  
25 latter.

The accompanying drawing is a perspective view of a lantern having my wick-raising device, a portion of the body of the lantern being removed to exhibit the application of  
30 the device.

A is the base; B, the body; C, the fount or reservoir; D, the burner without the cap or cone; E, the wick-shaft having contrate or crown wheel F; G, the vertical shaft having  
35 contrate or crown wheel H, located over the wick-shaft crown-wheel; I, strap for securing the body of the vertical shaft to the reservoir; J, the air-chamber between the body and the fount, having a floor, K, provided with opening for passage of the vertical shaft; and L, a  
40 lock-nut beneath the floor to hold the teeth of the crown-wheel H down to engage the teeth of the crown-wheel F, when adjusted on the threaded end of the vertical shaft, which carries the regulating-wheel M.  
45

By the arrangement of the various parts as shown there is not any liability of the displacement of the wick-shaft, burner, or cap or

cone, because the nut beneath the floor can be adjusted on the vertical shaft, and the latter  
50 with its crown-wheel to a nicety to sufficiently engage the crown-wheels without displacing the wick-shaft.

I am aware that crown wheels have been employed to connect the vertical and horizontal shafts. Also, that a nut has been  
55 employed, by which the vertical rod of a wick-raising device could be adjusted. Also, that the vertical shaft has been strapped to the outside of the fount, and its lower end passed  
60 down through the floor of the lantern, where it has been provided with a hand-wheel. Such construction, therefore, I disclaim as used and applied separately. The advantage of my arrangement will be seen to be in so adapting  
65 the various parts as to permit them, when combined in the manner shown in my device, to provide means by which the horizontal crown-wheel can be adjusted to the vertical crown-wheel by simply adjusting the nut on  
70 the thread of the vertical shaft beneath the floor.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:  
75

1. The combination, with a fount having a burner provided with a wick-shaft having a crown-wheel, of a vertical shaft having a  
80 crown-wheel at its upper end over the wick-shaft crown-wheel, and a screw-thread at its lower end provided with a lock-nut, and a regulating wheel, as set forth.

2. The combination, with a fount, a burner provided with a wick-shaft, and a crown-wheel on the wick-shaft, of a vertical shaft  
85 having a crown-wheel at its upper end above the crown-wheel of the wick-shaft, and screw-threaded at its lower end, a lock-nut on the screw-thread to adjust the vertical shaft, a regulating-wheel, and a lantern-body having  
90 an opening in its floor, through which the vertical shaft extends, as set forth.

MICHAEL C. HARNEY.

In presence of—  
M. W. HOGAN,  
T. S. HOGAN.