

(No Model.)

F. K. WRIGHT.

WICK RAISER ATTACHMENT FOR LANTERNS.

No. 476,506.

Patented June 7, 1892.

Fig. 1.

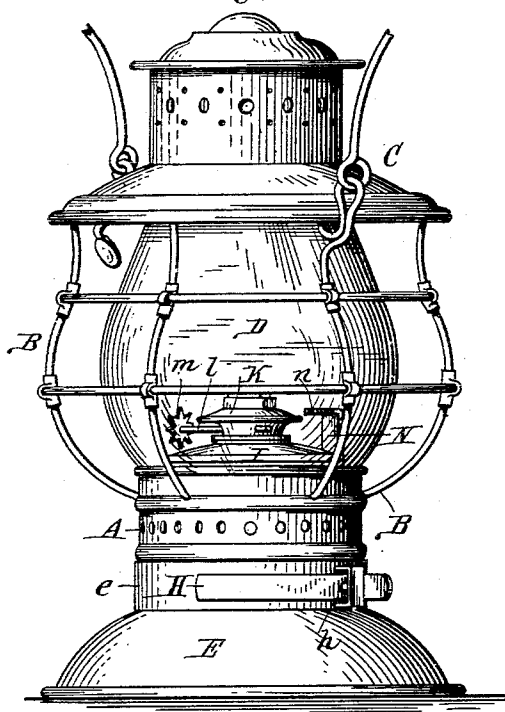


Fig. 2.

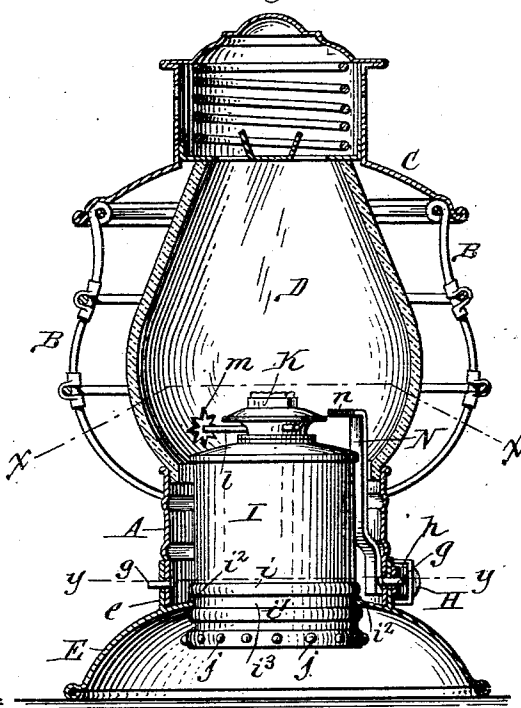


Fig. 3.

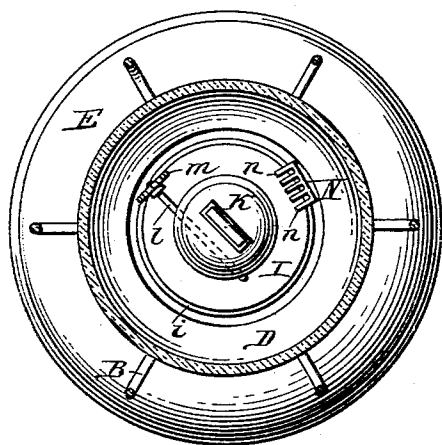
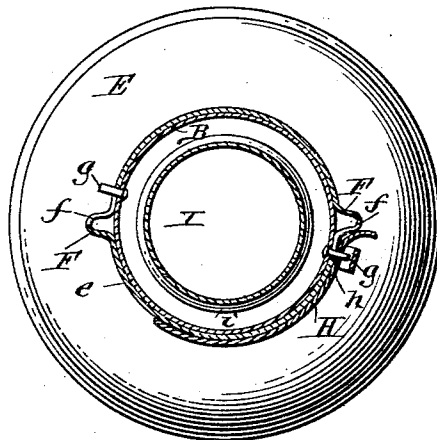


Fig. 4.



Witnesses:

Thos. L. Popp.
Jennie Clough.

F. K. Wright, Inventor.

By Wilhelm & Bomier
Attorneys.

UNITED STATES PATENT OFFICE.

FREDERICK K. WRIGHT, OF SYRACUSE, NEW YORK, ASSIGNOR TO THE STEAM GAUGE AND LANTERN COMPANY, OF SAME PLACE.

WICK-RAISER ATTACHMENT FOR LANTERNS.

SPECIFICATION forming part of Letters Patent No. 476,506, dated June 7, 1892.

Application filed February 3, 1892. Serial No. 420,158. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK K. WRIGHT, a citizen of the United States, residing at Syracuse, in the county of Onondaga and State of New York, have invented a new and useful Improvement in Wick-Raiser Attachments for Lanterns, of which the following is a specification.

This invention relates to a lantern in which the wick is raised or lowered by a rotative movement of the oil-pot carrying the wick-raiser shaft.

Heretofore the bottom of the lantern was rigidly secured to the body thereof and the oil-pot was secured to the bottom by spring-catches, so that the oil-pot carrying the wick-raiser shaft could be turned in the bottom and also be detached therefrom. This construction is objectionable because the oil-pot becomes frequently detached, owing to the weakening of the spring-catches.

The object of my invention is to overcome this difficulty and to combine the desirable features of a rotatable oil-pot provided with a wick-raiser attachment and a lantern-bottom which is detachably secured to the body by a reliable lock.

In the accompanying drawings, Figure 1 is an elevation of a lantern provided with my improvement. Fig. 2 is a sectional elevation thereof. Figs. 3 and 4 are horizontal sections in lines *x x* and *y y*, Fig. 2.

Like letters of reference refer to like parts in the several figures.

A represents the lower collar or ring of a lantern-body; B, the wire guard or frame, extending upwardly from the collar; C, the hinged top, and D the globe.

E represents the detachable bottom, provided with the usual annular flange *e*, which surrounds the collar of the body. This flange is provided on diametrically-opposite sides with outwardly-extending loops or embayments F, and each of these loops is provided with a horizontal slot *f*, extending circumferentially into the flange *e* a suitable distance.

The collar of the lantern-body is provided on diametrically-opposite sides with two laterally-projecting pins *g*, which are adapted to enter the loops of the flange and the slots in

the loops. Upon introducing the collar into the flange, so that the pins enter the loops, and then turning the collar the pins enter the slots, thereby fastening the bottom to the body in the manner of a bayonet-joint.

H represents a spring-catch, whereby the collar is held in its locked position in the flange. This spring is arranged against the outer side of the flange and secured thereto with one end, while its opposite end is provided with an opening *h*, which receives one of the pins when the body is fastened to the bottom and prevents the latter from becoming accidentally detached. Although I prefer this well-known construction of a fastening for securing the body to the bottom, any other suitable fastening may be employed which will hold the parts securely together.

I represents the rotatable oil-pot, which is arranged loosely with its lower portion in a circular opening formed in the bottom. The oil-pot is held against vertical movement in the bottom by beads *i i'*, formed on the oil-pot above and below the bottom. The central opening in the bottom is provided with a marginal flange *i''* and made large enough to permit the oil-pot, with its beads, to be passed through the same until the annular groove *i'''* between the beads is in line with the flange *i''* of the bottom. This flange is then bent or turned into the groove between the beads, thereby permanently securing the oil-pot to the bottom. The lower end of the oil-pot is preferably provided with an annular row of projections *j*, which permit the hand to obtain a better grip in turning the oil-pot.

K represents the burner attached to the oil-pot and provided with a laterally-projecting wick-raiser shaft *l*, which is provided at its outer end with a star-wheel or toothed button *m*. The latter is located within the lower portion of the globe when the oil-pot is in position in the lantern.

N represents an upright stop-arm, which is secured with its lower end to the inner side of the collar A, and extends upwardly on the inner side of the globe to the vicinity of the button *m*, where it terminates with a number of inwardly-projecting teeth *n*, which are adapted to come in contact with the button

and turn the same when the oil-pot is rotated within the lantern. The oil-pot is permanently attached to the bottom and the latter is required to be removed from the lantern-body for filling the oil-pot, trimming the wick, &c., and as the bottom is secured to the body by a reliable fastening the oil-pot is securely attached to the lantern and not liable to become accidentally detached. The oil-pot can be freely rotated in the bottom for adjusting the wick by means of the wick-raiser attachment.

I claim as my invention—

1. The combination, with a lantern-frame and a detachable bottom secured to the lantern-frame by a releasable fastening, of an oil-pot permanently attached to said bottom and capable of rotative movement therein, a burner provided with a laterally-projecting wick-raiser shaft, and a stop-arm attached to the

lantern-frame and adapted to come in contact with the button of the wick-raiser shaft, substantially as set forth.

2. The combination, with the lantern-frame and a detachable bottom secured to the lantern-frame by a releasable fastening, of an oil-pot capable of rotative movement therein and provided with beads or projections above and below the said bottom, a burner provided with a laterally-projecting wick-raiser shaft, and a stop-arm attached to the lantern-frame and adapted to come in contact with the button of the wick-raiser shaft, substantially as set forth.

Witness my hand this 30th day of January, 1892.

FREDERICK K. WRIGHT.

Witnesses:

FRANK C. CROWELL,
C. L. SALMON.