

(No Model.)

G. W. LYNCH.
LANTERN.

No. 579,883.

Patented Mar. 30, 1897.

Fig. 1.

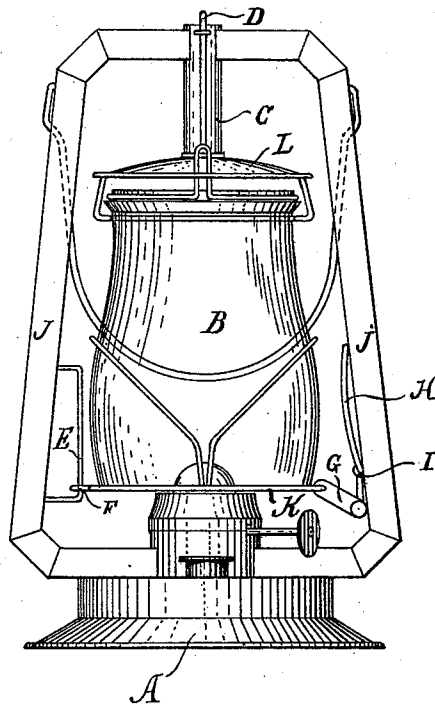
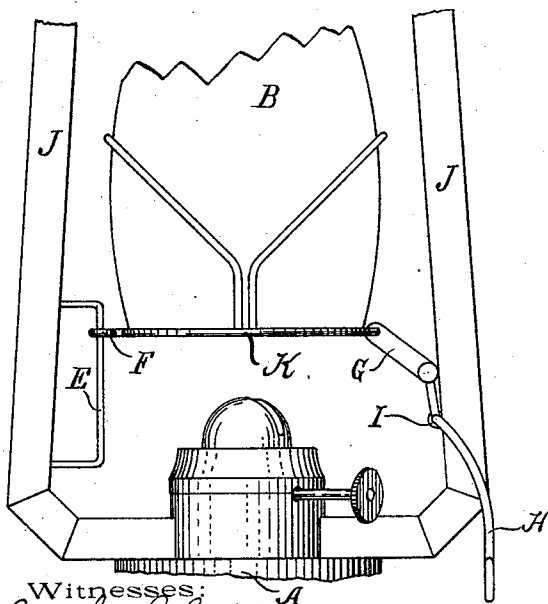
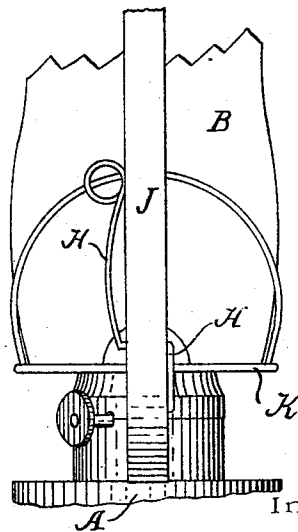


Fig. 2.



Witnesses:
Anelia Williams
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Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE W. LYNCH, OF DETROIT, MICHIGAN, ASSIGNOR TO THE BUHL
STAMPING COMPANY, OF SAME PLACE.

LANTERN.

SPECIFICATION forming part of Letters Patent No. 579,883, dated March 30, 1897.

Application filed June 15, 1896. Serial No. 595,668. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. LYNCH, of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful
5 Improvement in Lanterns, of which the following is a specification.

My invention consists in an improvement in lanterns, hereinafter fully described and
claimed.

10 Figure 1 is a front elevation of the complete lantern; Fig. 2, an elevation showing the globe raised; and Fig. 3, a side elevation, Figs. 2 and 3 being partly broken away.

The lantern shown is of the tubular class,
15 A representing the oil-fount, B the globe, C the draft-tube, L the bell, and K the perforated plate, on which the globe rests. All these parts are old and not of my invention.

K represents the perforated base-plate upon
20 which the globe rests and to which the guard is secured.

F represents an eye secured to one side of the base-plate K, which encircles guide-rod E, whose ends are secured to one of the tubes
25 J. (Shown in Figs. 1 and 2.)

H represents a bent lever which is pivoted to the inside of the other tube J by a strap I, and the short arm of said lever is pivoted to one end of a link G, the other end of which
30 is pivoted to the base-plate K opposite eye F.

D represents a guide which runs from the bell up through keepers on the draft-tube to guide the bell and globe in their vertical movement, in addition to the guide furnished by
35 the draft-tube C.

When the globe is in its lowest position, as shown in Fig. 1, by pressing the long arm of

lever H to the right, Fig. 1, the short arm is swung upward and, through the link G, raises base-plate K, and with it globe B and bell L, 40 the globe and bell being guided by guide-rod E, draft-tube C, and guide D. When the bell is lifted to its uppermost position, it is locked automatically in said position through the angle which the link G assumes, as shown 45 in Fig. 2, the downward pressure of the bell tending to force the outer end of said link against the air-tube J, but by reversing the motion of the long arm of the lever H the bell is easily and smoothly lowered into place. 50

I prefer to make the long arm of the lever K curved, so that when in the position shown in Figs. 1 and 3 it will spring slightly behind the inner surface of the air-tube J, as shown in Fig. 3, so as to lock bell B in its lowest position. 55

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

In a tubular lantern, the combination with the base-plate K, and means for guiding it in 60 its vertical movement, of the lever H pivoted near one end to the tube J, and the link G pivoted at one end to the said base-plate and pivoted at its other end to the short arm of the lever H, the long arm of said lever being curved as shown to permit its end to be 65 sprung behind the air-tube and thus lock the base-plate in its lowered position, substantially as described.

GEORGE W. LYNCH.

Witnesses:

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