

(No Model.)

G. W. LYNCH.
TUBULAR LANTERN.

No. 542,567.

Patented July 9, 1895.

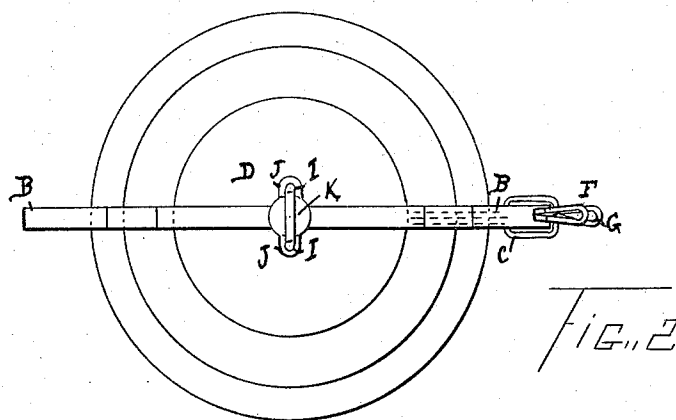


FIG. 2

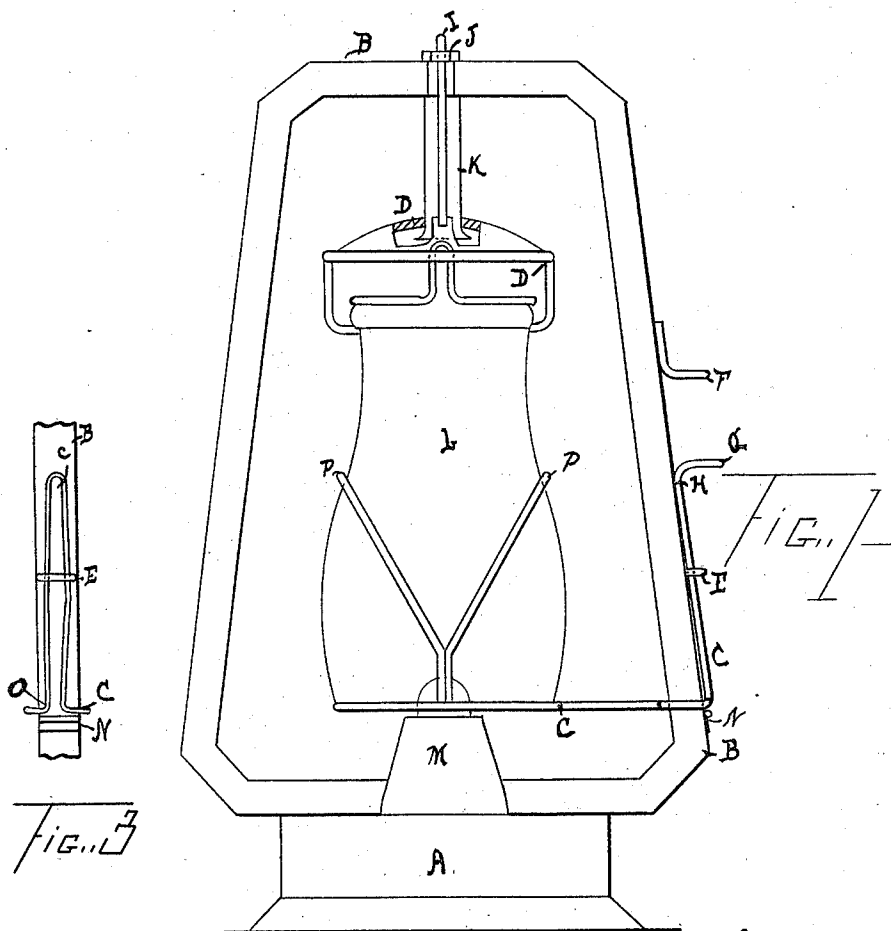


FIG. 3

Witnesses
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Inventor
George W. Lynch
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att'y

UNITED STATES PATENT OFFICE.

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

TUBULAR LANTERN.

SPECIFICATION forming part of Letters Patent No. 542,567, dated July 9, 1895.

Application filed June 13, 1894. Serial No. 514,457. (No model.)

To all whom it may concern:

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

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

Figure 1 is a side elevation of the lantern with the bell partly broken away. Fig. 2 is a top plan view thereof; and Fig. 3 is a side elevation of part of one of the tubes, showing the lift-wire.

A represents the front, B the tubes, K the connecting-pipe, D the bell, M the burner-cone, and L the globe, of an ordinary tubular lantern, the construction of all of these parts being well known.

In lanterns of this class it is desirable to raise the globe from the burner for the purpose of lighting, and this can be done either by lifting the globe vertically or by tilting the globe without removing it from the lantern.

My invention relates to apparatus for lifting the globe, and consists in the following devices.

C represents a double wire, which is secured to the ordinary perforated plate, on which the globe in this form of lantern rests. I make this connection by beading the edge of said plate over wire C. The double wire C extends outward and is bent to embrace one of the tubes B, as clearly shown in the drawings, and is then bent upward, passing through a keeper E, secured to the outside of one of the tubes, and at the point H is bent outward to form an ear G. The wires C are drawn together at the point O and are spread above, as shown in Fig. 3, and just above the point O are bent outward away from the tubes to form a lock with keeper E when the globe is raised.

The bell D slides on pipe K and is provided

with a U-shaped wire I, whose ends are fastened to the bell and whose upright members pass through holes in ears J J, secured on the upper end of the pipe K, thus guiding the bell positively and preventing tilting.

The globe L is detachably secured to the bell D in any desired way, that indicated in the drawings being the form used by the Buhl Stamping Company in its lift-lanterns.

F represents a thumb-piece secured on tube B above ear G.

N is a stop to limit the downward motion of wire C.

The operation of my invention is as follows: The globe being down upon the burner, as shown in Fig. 1, to raise the globe the user places his thumb on thumb-piece F and his forefinger under ear G and lifts the wire C, thus lifting with it the globe L and the bell D. The lift-wires C guide the lower end of the globe L, and the bell D is guided both by pipe K and the wire I, running through holes in lug J. The lamp being lighted, the globe is pushed down to position, either by pressing down on ear G, or on bell D, or on wire I, and it is evident that this lantern can be operated as well by a man having only one hand as by one having both hands.

Any form of guard may be used to protect globe L.

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

In a lift lantern, the combination with globe L, movable bell D, and a perforated plate upon which the globe rests, of a wire C, secured to said perforated plate, embracing one of the tubes B, extending upward on the outside of said tube, and provided with a projecting ear G, substantially as and for the purposes set forth.

GEO. W. LYNCH.

Witnesses:

JOHN F. BREEN,
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