

A. R. PRITCHARD.
LANTERN.
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1,003,509.

Patented Sept. 19, 1911.

Fig. 1.

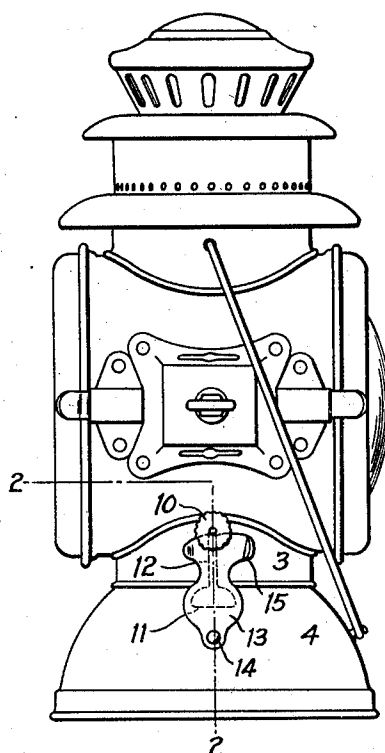
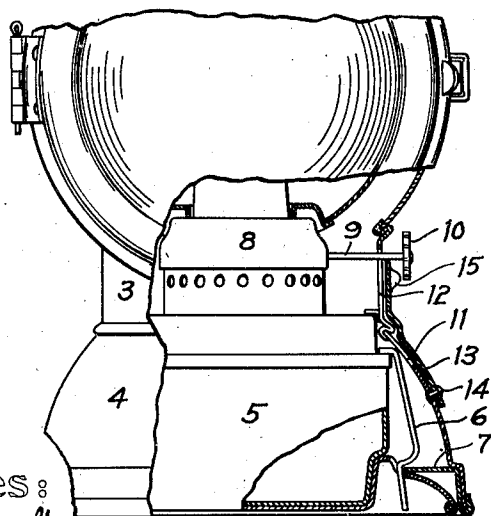


Fig. 2.



Witnesses:
Clarence W. Carroll
L. Thon

Inventor:
Albert R. Pritchard
by his attorneys
Osgood, Davis & Dorsey

UNITED STATES PATENT OFFICE.

ALBERT R. PRITCHARD, OF ROCHESTER, NEW YORK.

LANTERN.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALBERT R. PRITCHARD, a citizen of the United States, and resident of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Lanterns, of which the following is a specification.

This invention relates to lanterns of the type in which a lamp is inserted and removed through the bottom of the body of the lantern.

The object of the invention is to produce a lantern of the type referred to having novel and simple provision for closing the opening which receives the wick-raiser when the lamp is inserted in the body, for retaining the wick-raiser frictionally against accidental rotation, and for retaining the wick-raiser positively in the opening to prevent accidental dislodgment of the lamp from the lantern-body.

The invention consists in the lantern hereinafter described, as it is defined in the succeeding claims.

In the accompanying drawings: Figure 1 is a side-elevation of a lantern embodying the present invention; and Fig. 2 is a partial front-elevation on a larger scale, showing the lantern broken away approximately on the line 2—2 in Fig. 1.

The illustrated embodiment of the invention is a lantern designed particularly for use as a side-lamp on a vehicle, although the invention is applicable to other lanterns of the same general type. The lantern-body or casing is provided with a comparatively narrow cylindrical portion or neck 3, below which is the usual flaring base-portion 4. The lamp-body 5 is received within the base-portion 4, being inserted therein from beneath. The lamp is secured in place by means of springs 6, of ordinary form, which press outwardly and have shoulders engaging an annular shelf or flange 7 within the casing.

The burner 8 is provided with a wick-raiser of usual form, comprising a shaft 9 having a milled wheel or finger-piece 10 at its outer end by which it is turned. In order that the wick-raiser may extend outside of the lantern-casing an opening is provided in the base-portion 4 and in the neck 3 of the lantern-casing, into and through which opening the wick-raiser is passed when the lamp is inserted within the casing. This

opening comprises a wide lower portion 11 in the base 4, to receive the wheel 10, and an upwardly-extending slot 12 in the neck-portion 3, which receives the shaft 9. After the lamp has been inserted in place it is desirable to close the opening just described, in order to prevent the entrance of air-currents, and to this end a sheet-metal cover-plate 13 is pivoted at 14 upon the base portion 4. At its upper end the cover-plate is provided with a cam-like upper edge and with an outwardly-bent lug 15 by which it may be manipulated. The cover-plate conforms to the contour of the lantern-casing, as shown in Fig. 2, and when it is swung into normal position, as shown in the drawings, its upper edge engages the wick-raiser shaft 9, so that the cover-plate closes the opening except for the upper extremity occupied by the wick-raiser shaft.

In addition to closing the opening in the lantern-casing, as above described, the cover-plate, by its frictional engagement with the shaft, retains the wick-raiser against accidental rotation due to vibrations in the lamp. The cover-plate constitutes also a safety device to prevent accidental dislodgment of the lamp from the casing, for in case the springs 6 fail to support the lamp adequately it is nevertheless impossible for the lamp to drop out of the casing, owing to the retention of the wick-raiser shaft by the cover-plate.

When the lamp is to be removed the cover-plate is swung to the right, thereby uncovering the opening and permitting the wick-raiser to pass downward therethrough.

I claim:—

1. A lantern having, in combination, a casing open at the bottom and having a narrow neck-portion and a flaring base-portion, the casing being provided with a lateral opening comprising a wide portion in the base portion of the casing and an upwardly-extending slot in the neck-portion, a removable lamp which is inserted in the casing through the bottom thereof, the lamp having a rotary wick-raiser comprising a shaft and a wheel, the wheel being received through the wide portion of said opening and the shaft being received in said upwardly-extending slot, when the lamp is inserted in the casing, and a cover-plate pivoted to the casing beneath said opening and movable into position to close the opening beneath the wick-raiser.

2. A lantern having, in combination, a casing open at the bottom and having a lateral opening to receive a wick-raiser, a removable lamp which is inserted in the casing through the bottom thereof, the lamp having a rotary wick-raiser which projects through said lateral opening, and a cover-plate pivoted on the casing below said opening and movable into position to close the opening beneath the wick-raiser, the cover-plate having at its upper end a cam-like edge adapted to engage frictionally the underside of the wick-raiser so as to resist rotation thereof.
3. A lantern having, in combination, a casing open at the bottom and having a lateral opening to receive a wick-raiser, a removable lamp which is inserted in the casing through the bottom thereof, the lamp having a rotary wick-raiser which projects through said lateral opening, and a cover-plate pivoted on the casing below said opening and movable into position to close the opening beneath the wick-raiser, the cover-plate having at its upper end a cam-like edge adapted to engage frictionally the underside of the wick-raiser so as to resist rotation thereof.

ALBERT R. PRITCHARD.

Witnesses:

D. GURNEE,
L. THON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."