

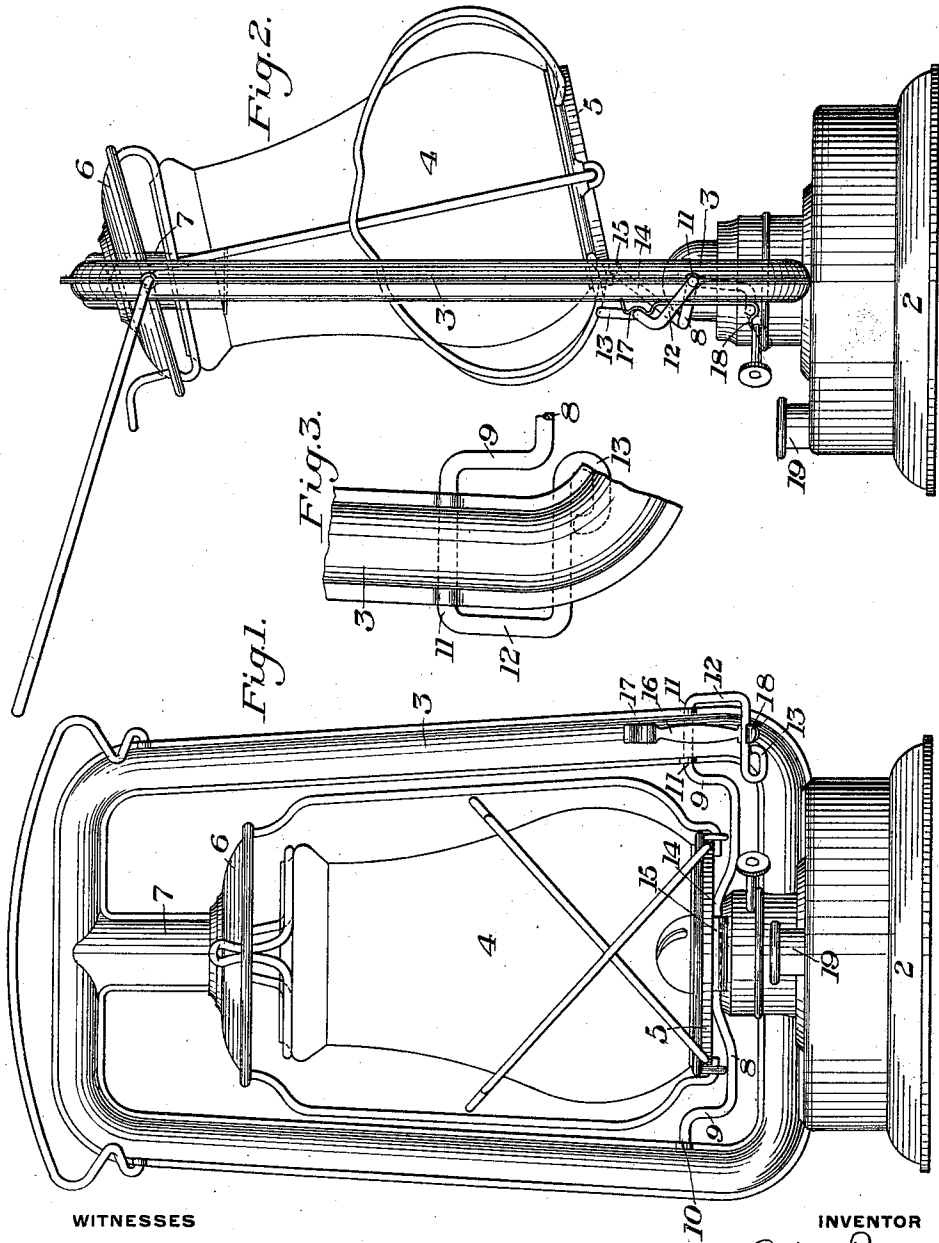
A. W. PAULL.

LANTERN.

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1,000,342.

Patented Aug. 8, 1911.



WITNESSES

R. A. Baldwin
W. Samaras

INVENTOR

A. W. Paull,
by Bakewell, Byrnes & Parmelee,
his Attys

UNITED STATES PATENT OFFICE.

ARCHIBALD W. PAULL, OF WHEELING, WEST VIRGINIA, ASSIGNOR TO WHEELING STAMPING COMPANY, OF WHEELING, WEST VIRGINIA, A CORPORATION OF WEST VIRGINIA.

LANTERN.

1,000,342.

Specification of Letters Patent.

Patented Aug. 8, 1911.

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To all whom it may concern:

Be it known that I, ARCHIBALD W. PAULL, a resident of Wheeling, county of Ohio, State of West Virginia, have invented a new and useful Improvement in Lanterns, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front elevation of a lantern having my improvement applied thereto; Fig. 2 is a side view of the same showing the globe raised in its raised position; and Fig. 3 is a detail view hereinafter more fully described.

Referring to the accompanying drawings, in which I have shown my invention in its preferred form and which will now be described, the numeral 2 designates the base of the lantern containing the oil receptacle; 3 are the usual side tubes; 4 the globe; 5 the vertically movable globe support; and 6 the top cap. This cap is arranged to slide vertically in the usual manner on the short depending center tube 7, to permit the globe to be raised and lowered.

8 is a lifting rod having its end portions bent upwardly, as shown at 9, and thence outwardly to form the journal portions 10 and 11. The journal portion 10 is journaled in one of the side tubes 3, and the journal portion 11 extends through and is journaled in the other side tube. The end of the lifting rod having the journal portion 11 is then bent downwardly, as shown at 12, and then inwardly substantially parallel with said journal portion, and terminates in the finger loop 13. The central portion of the lifting rod is provided with a crank 14, which loosely engages a sleeve 15, on the under side of the globe support near the forward edge thereof.

16 is a catch plate, preferably made of sheet metal and soldered or otherwise secured to the front side of one of the side tubes 3, in position to form a catch for the operating end of the crank lifting rod. This plate has near its upper end a groove or depression 17, and near its lower end a projecting lug or rest 18.

Fig. 1 shows the parts in their normal positions. To raise the globe, the operator presses upwardly on the loop 13 with his finger, thereby rotating the lifting rod in its bearings and raising the crank to thereby

lift the globe and its support. As the crank reaches the vertical position its continued movement carries it past center, thereby swinging the globe and support away from the operator. This creates a considerable amount of tension in the rod which causes the reversely bent arm thereof to engage in the recess 17, as shown in Fig. 2. This securely locks the globe in its raised and swung position. The reverse movement of the lifting crank brings the globe back to its normal position with the bent end operating portion of the lifting rod resting in the depression of the rest 18.

My invention provides an extremely simple and efficient device for the purpose described. It adds to the lantern but two simple parts, viz., the bent and cranked lifting rod and the catch plate, both of which may be readily formed and attached to the lantern. The globe is securely locked and held in both its raised and lowered positions, and the fact that the globe is swung backwardly or away from the operator, permits free access to the burner for lighting and cleaning. It also gives free access to the filling nozzle 19 for filling.

It will be obvious that various changes can be made in the details of construction and arrangement of the parts. Thus, the form of the cranked lifting rod may be slightly changed and a somewhat different form of catch plate may be employed, without departing from the spirit and scope of my invention, as defined in the appended claims.

I claim:

1. In a lantern, a vertically movable globe support, and a cranked lifting rod having end portions journaled in the side tubes of the lantern, one of said end portions being extended through said tube and bent backwardly to form an actuating portion which extends to the inner side of the adjacent side tube, said lifting rod having its crank at such an angle that upward movement of the bent end of the rod from its normal down position will raise the globe support and globe; substantially as described.

2. In a lantern, a vertically movable globe support, and a cranked lifting rod having end portions journaled in the side tubes of the lantern, one of said end portions being extended through said tube, thence bent downwardly, thence inwardly

to form an operating member which extends to the inner side of the adjacent side tube, said lifting rod having its crank at such an angle that upward movement of the bent end of the rod from its normal down position will raise the globe support and globe; substantially as described.

3. In a lantern, a vertically movable globe support, and a cranked lifting rod having end portions journaled in the side tubes of the lantern, one of said end portions being extended through said tube and thence bent downwardly and then inwardly into substantially parallel relation to said end portion, together with a catch plate secured to the free side of one of the side tubes and adapted to cooperate with the bent end portion of the lifting rod to hold the globe in both its raised and lowered position, substantially as described.

4. A lantern having a vertically movable globe support, a cranked lifting rod loosely engaging the globe support at one side of its center, said rod having end portions journaled in the side tubes of the lantern, one of said end portions extending entirely through one of the side tubes and thence bent downwardly and then backwardly into

substantially parallel relation to said end portion and terminating in a finger loop, and a catch plate secured to the front side of one of the side tubes and having a catch recess near its upper end and a holding recess or support at its lower portion, said recesses being adapted to engage the reversely bent portion of the rod, substantially as described.

5. In a lantern, a vertically movable globe support and a cranked lifting rod having end portions journaled in the side tubes of the lantern with its crank portion pivotally engaging the globe support, and having one end portion bent backwardly to form an operating member which extends to the inner side of the adjacent side tube, said lifting rod being arranged to raise the globe support and globe by an upward movement of its operating portion; substantially as described.

In testimony whereof, I have hereunto set my hand.

ARCHIBALD W. PAULL.

Witnesses:

JAS. S. PAULL,
SIDNEY R. LAKE.