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C. MERCHANT

1,927,713

ELECTRIC LANTERN

Filed June 28, 1932

2 Sheets-Sheet 1

Fig-1-

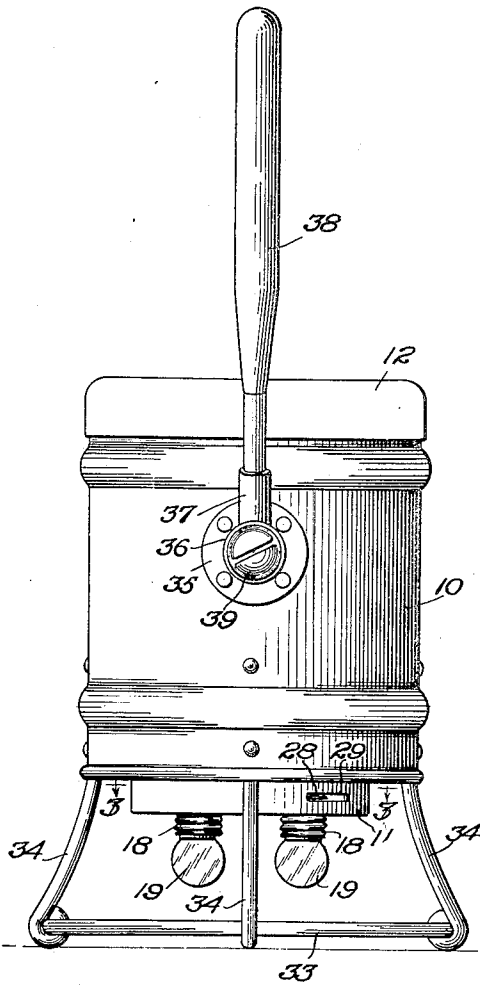


Fig-2-

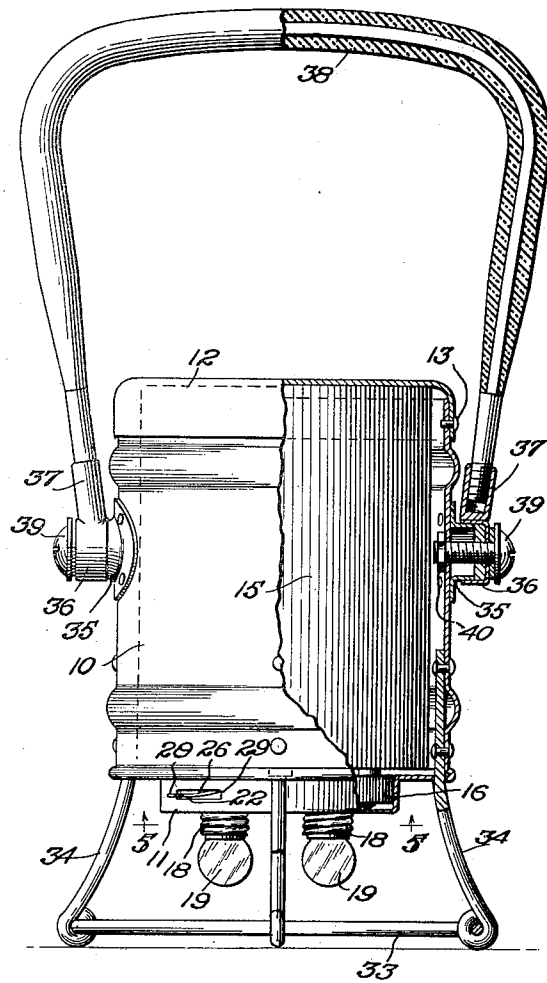


Fig-6-

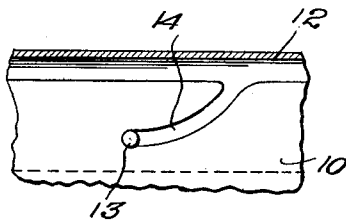
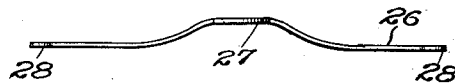


Fig-7-



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WITNESS:

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UNITED STATES PATENT OFFICE

1,927,713

ELECTRIC LANTERN

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Application June 28, 1932. Serial No. 619,805

1 Claim. (Cl. 240—10.63)

The invention relates to a lantern construction and more particularly to an electric lantern.

The primary object of the invention is the provision of a lantern of this character, wherein the body constituting the holder for the battery is of a novel construction with the illuminating bulbs fitted in the bottom or lower end of said body and these bulbs being protected by a guard which constitutes a rest for the lantern when released from the hand of a user, the illuminating bulbs being selectively lighted through the medium of a switch which is accessible from opposite sides of the body.

Another object of the invention is the provision of a lantern of this character, wherein the body is swung from a handle or bail, the latter being pivoted to said body in a novel manner so as to permit the balancing of the body of the lantern and also to assure firmness in the carriage thereof in the hand.

A further object of the invention is the provision of a lantern of this character, wherein the construction of the same is unique and novel in form, the parts of such lantern being readily accessible and the illuminating bulbs readily removable for replacement on the burning out of the same.

A still further object of the invention is the provision of a lantern of this character, which is extremely simple in construction, readily portable, susceptible for use in signaling purposes, strong, durable, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described in detail, illustrated in the accompanying drawings, which disclose the preferred embodiment of the invention, and pointed out in the claim hereunto appended.

In the accompanying drawings:—

Figure 1 is a side elevation of a lantern constructed in accordance with the invention.

Figure 2 is a view similar to Figure 1 looking at the lantern at right angles to the position thereof in said figure and partly in section.

Figure 3 is an enlarged sectional view on the line 3—3 of Figure 1 looking in the direction of the arrows.

Figure 4 is a fragmentary sectional view on the line 4—4 of Figure 3 looking in the direction of the arrows.

Figure 5 is a fragmentary sectional view on the line 5—5 of Figure 2 looking in the direction of the arrows.

Figure 6 is a fragmentary vertical sectional view showing in detail the manner of fastening the cover or lid to the body of the lantern.

Figure 7 is a detail elevation of the switch lever detached.

Figure 8 is a fragmentary vertical sectional view showing an adjunct of the lantern.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, the lantern comprises a body 10 preferably of cylindrical form, the bottom 11 being reduced and projected from the lower end of said body, while removably fitted on the upper end of this body is a lid or cover 12, the latter being fitted with a latching pin or lug 13 removably engageable in a cam slot 14 formed in the side wall of said body and in this manner the lid or cover 12 is firmly and detachably secured in place.

The body 10 is adapted to receive a dry cell battery 15 which is introduced on the removal of the said lid or cover 12 through the upper open end of the body.

Fitted within the projected bottom 11 is an insulating disk or plate 16 which is held secure by fasteners 17 passing through the body 10 from the outside thereof. The bottom 11 is formed with opposed threaded bulb sockets 18, these protruded for a distance from the said bottom 11 and into which are screwed electric illuminating bulbs 19 of any standard type which engage terminal contacts 20 embedded in the plate 16 and have the leads 21 to switch contacts 22, these being spaced apart within a clearance 23 formed at the transverse median of the plate 16.

Disposed in a central seat 24 formed in the plate 16 is a pole contact 25 for the battery 15, while disposed within the clearance space 23 is a double arm upwardly arched spring contact 26, the same being formed with a medial hub 27 joined with the pole contact 25 and held in this engagement by the resiliency and the upwardly arched formation of said switch 26, the arms 28 of the latter being projected through suitable slots 29 formed in the body 10 at the opposite extremities of the clearance space 23. It will be seen that this switch 26 can be operated from either side of the body 10 so that one of its arms will engage with the contacts 22 and thus establish an electric circuit between either bulb 19 and the battery 15 for illumination of said bulb. Embedded in the plate 16 in the upper face thereof is a connector ring 30 which functions as

a pole contact with the battery 15 and this ring has a stud 31 carrying a spring finger 32 which engages the bottom 11 whereby the circuit will be completed between the bulbs 19 and the battery 14 through the contacts 25 and 30 as will be obvious on the closing of the switch 26 by engaging either of the contacts 22. It will be apparent that either bulb 19 may be selectively illuminated on the shifting of the switch 26 upon either contact 22.

Secured to the body 10 is a wire frame 33 constituting a guard and a rest, the guard functioning to protect the bulbs 19 and this frame when functioning as a rest will permit the lantern body 10 to be supported upon a foundation, the frame having the lugs 34 riveted or otherwise fixed to the body 10 to render such frame rigid and unitary therewith.

Mounted upon the body 10 at diametrically opposite points are hollow lugs 35, these having telescoped thereon pivot cups 36 formed with the socketed extensions 37 in which is engaged a bail or handle 38 of loop type, the cups 36 be-

ing swingingly telescoped upon the lugs 35 through the medium of bolts 39 which are passed through the lugs 35 and into the body 10 and carry securing nuts 40, the bolts 39 being adapted to constitute the pivot couplings between the bail or handle 38 and the body 10 of the lantern.

What is claimed is:—

In an electric lantern of the character described, a battery receiving body having a reduced bottom, an insulating plate within the bottom and having a centered transversely disposed cutaway portion forming a clearance, lamp sockets formed on the reduced bottom and at opposite sides of the clearance, terminal contacts embedded in said plate at the sockets, contacts in the clearance and leading to the first named contacts, and a switch accessible at diametrically opposite sides of the body for operation thereof and located in the clearance for alternate engagement with the contacts therein.

CHARLES MERCHANT.

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55	130
60	135
65	140
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75	150