Nov. 21, 1944. R. T. SAND 2,363,088

UTILITY LANTERN

Filed June 14, 1943

Fig. 1

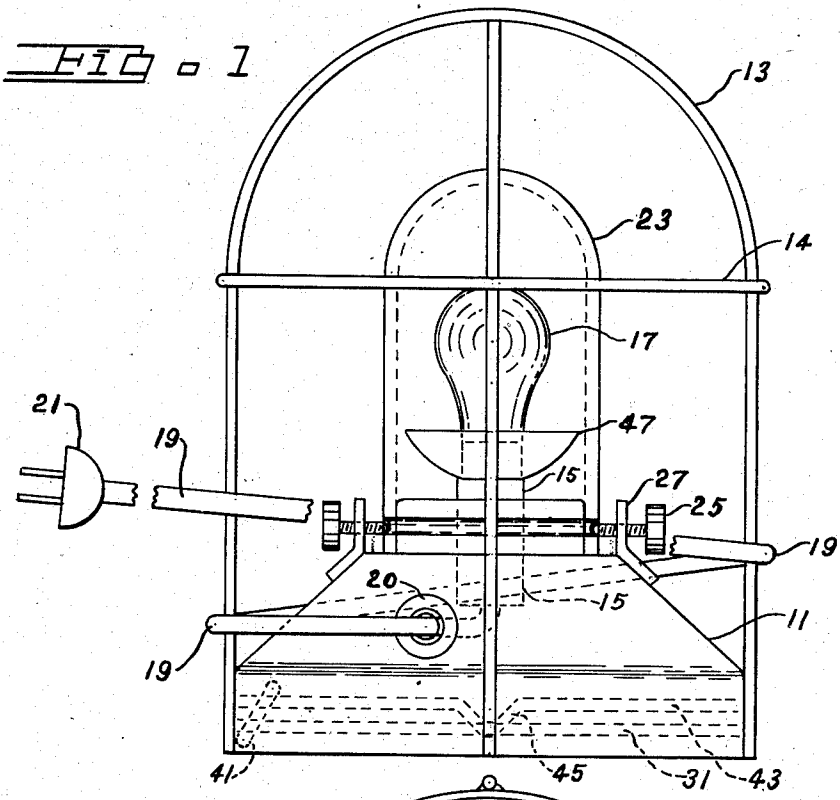


Fig. 2

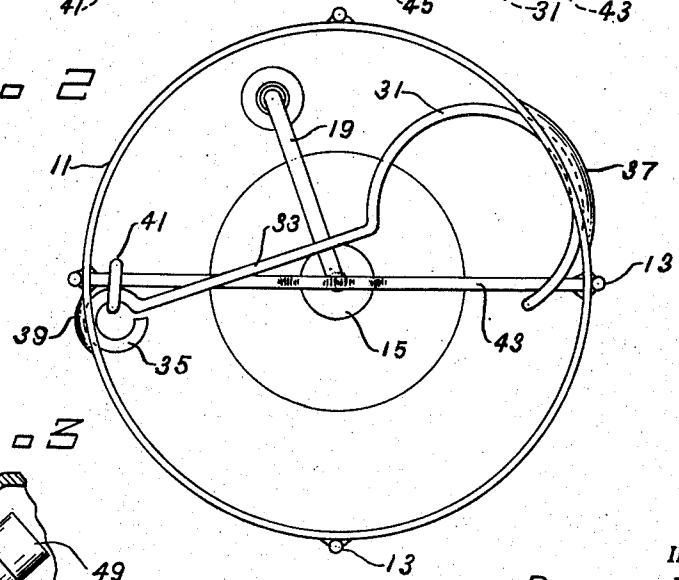
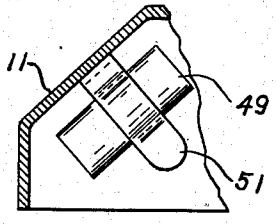


Fig. 3



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Patented Nov. 21, 1944

2,363,088

UNITED STATES PATENT OFFICE

2,363,088

UTILITY LANTERN

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Application June 14, 1943, Serial No. 490,944

4 Claims. (Cl. 240—11.2)

My invention pertains to lanterns and more particularly to a utiliity or multi-purpose lantern.

It is an object of my invention to provide an improved utility or multi-purpose lantern of a light weight rugged construction combining maximum convenience and durability in use with economy in material and manufacture.

It is also an object of my invention to provide a utility lantern which is readily adaptable for portable or plug-in service.

It is a further object of my invention to provide such a utility lantern which will have maximum utility for use in the garage, at home, in camp, with the car and for various other purposes.

Further objects and advantages are within the scope of my invention such as relate to the arrangement, operation and function of the related elements, to various details of construction and to combinations of parts, elements per se, and to economies of manufacture and to numerous other features as will be apparent from a consideration of the specification in conjunction with the drawing disclosing specific embodiments of my invention, in which:

Fig. 1 is a side elevational view partially broken away and dotted to show the internal construction;

Fig. 2 is a bottom plan view showing the folded concealed arrangement of the support hook; and

Fig. 3 is a sectional fragmentary view showing how batteries are arranged in the base.

Referring more specifically to Figs. 1 and 2 of the drawing, I have illustratively disclosed a multi-purpose utility lantern made in accordance with my invention, comprising a base 11 which is of an inverted bowl shape with the open side down.

Secured at circumferentially spaced points around the down turned rim of the base I provide a plurality of guard members 13 spaced closely enough together to provide a guard and far enough to form a convenient handle into which the user may conveniently insert his fingers to pick up the lantern. Spacing the guard members far apart also conserves material and makes a light weight construction. Although other materials may be used, the base 11 is preferably stamped out of a light gauge sheet metal for rigidity and light weight, and the ends of the guard members 13, which are preferably of heavy wire or light rod, may be cleaply and permanently secured thereto as by welding. For this purpose each guard member is preferably bent into a U-shape of a suitable size to be inverted over the base for having its downturned ends secured to diametrically opposite points thereon. Two such inverted U-shaped guard members 13 spaced at about ninety degrees and braced by a circular member 14 attached around provide a light weight and rugged construction with ample protection from large tools and objects, and also to provide a convenient handle to be grasped by the user.

Mounted in the center of the upturned wall of the base, I mount an electric incandescent lamp socket 15 with the connection end down in the base and the open end exposed conveniently upward. A suitable socket is selected in accordance with the particular type of bulbs 17 to be utilized, and for plug-in service a suitable electric conductor cord 19 is connected to and extends from the socket passing through an insulation grommet 20 in the base. The extended end of the cord 19 has a plug 21 thereon, and it may have a snap switch (not shown) for controlling the lamp although the switch may be omitted for simplicity and economy, as the plug provides sufficient control for a utility lantern.

The globe 23 may be conveniently inserted or removed through the guard. This globe protects the bulb from rain, or from smaller tools in the car, and it is secured by screws 25 through brackets 27 rising from base.

As shown in Fig. 1, the guard and handle structure 13 may also be conveniently used as a reel for supporting the electric cord 19.

Fig. 2 shows how a hook 31 is folded into the bottom when not in use. The hook 31 with the stem 33 and an eyelet ring 35 are of a length just slightly greater than diameter of the base so that this member may be sprung and pushed snugly into the bottom of the base. To hold the hook more firmly in folded relation, a bulge 37 is provided on one side of the base for receiving the outer portion of the hook and another bulge 39 is provided in the opposite rim of the base for receiving the outer edge of the eyelet ring 35. The eyelet ring is connected by a link or ring 41 onto a cross-rod 43 which extends across the bottom of the base with the ends thereof secured to the rim of the base in any suitable manner, as by welding. When the lantern is to be suspended, in an inverted position, the hook 31 may be quickly pulled out of the bottom of the base to be hooked onto the branch of a tree, a tent rope, or any other support. The center of the cross-rod 43 is preferably provided with an outwardly directed bend 45 wherein the

sliding link 41 will rest to suspend the lantern, in a well centered position.

The upper end of the lamp socket 15 may be provided with a small reflector 47 to be utilized or omitted for various different purposes, as desired, and especially useful when the lantern is to be suspended in an inverted position.

For use in locations where plug-in service is not available, it is merely necessary to provide batteries 49 in the base, as shown in Fig. 3, connected to a suitable lamp with the socket, the plug-in-cord being omitted. The batteries may be retained in a conveniently replaceable manner by means of spring clips 51 in a fashion usual with battery energized appliances and devices.

It will be seen that I have provided a multi-purpose utility lantern which is of a simple, light weight and durable construction, conveniently adaptable for a great many different purposes in the camp, with the car, at home, in the garage and in many other places.

It is apparent that within the scope of my invention modifications and different arrangements may be made other than herein disclosed, and the present disclosure is illustrative merely, the invention comprehending variations thereof.

I claim:

1. A utility lantern comprising, a base of an inverted bowl shape, an electric lamp socket mounted through the central portion of the upturned wall of the base, a plurality of guard members each of an inverted U-shape and having the downturned ends secured around the downturned rim of the base, said guard members being spaced suitably to serve both as a guard and as a handle, a cross-rod disposed under said base with the ends secured to the downturned rim thereof, and a lantern support hook slidably connected on said cross-rod to be moved therealong and of a length suitable to be disposed snugly under the base between the opposite sides of the downturned rim when not in use.

2. A utility lantern in accordance with claim 1, and said cross-rod having an outwardly directed bend in the central portion for centering the hook suspension of the lantern, when the hook is opened to exposed position.

3. In a multi-purpose utility lantern the combination of, a light weight inverted-bowl-shaped sheet metal base, two guard members of rod or wire, each of said guard members being of a substantially U-shape and inverted over the base with the downturned ends welded to the downturned rim of the base at equally spaced circumferential points to serve as a handle or a guard or a cord reel, an electric lamp socket mounted through the upturned central wall of the base with the lamp receiving end up and the connection end down, a cross-rod extending across the open downturned bottom of the base, the opposite ends of said cross-rod being welded to the inside surfaces of the downturned rim of the base, a lantern support hook slidably connected on said cross-rod for movement along the rod, said hook being selected of a length suitable for folding up under the base with the ends of the hook snugly engaged between opposite sides of the downturned rim, and said cross-rod having an outwardly directed bend in the central portion for centering the hook suspension of the lantern when the hook is opened for use.

4. In combination in a multi-purpose utility lantern, a light weight sheet metal base of an inverted bowl shape, two guard members of rod or wire, each of said guard members being of a substantially U-shape and inverted over the base with downturned ends welded to the downturned rim of the base at points spaced circumferentially about ninety degrees to serve as a handle or guard or cord reel, an electric lamp socket mounted through the upturned wall of said base with the connection end down and the lamp receiving end up, a cross-rod extending across the bottom of the base and having the ends welded to the downturned rim thereof, a lantern support hook slidably connected on said cross-rod for movement along the rod and of a length suitable for folding up under the base with the ends of the hook snugly engaged between the opposite sides of the downturned rim, and a circular guard member disposed around and welded to the downturned legs of the U-shaped guard members.

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