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LIGHTING UNIT

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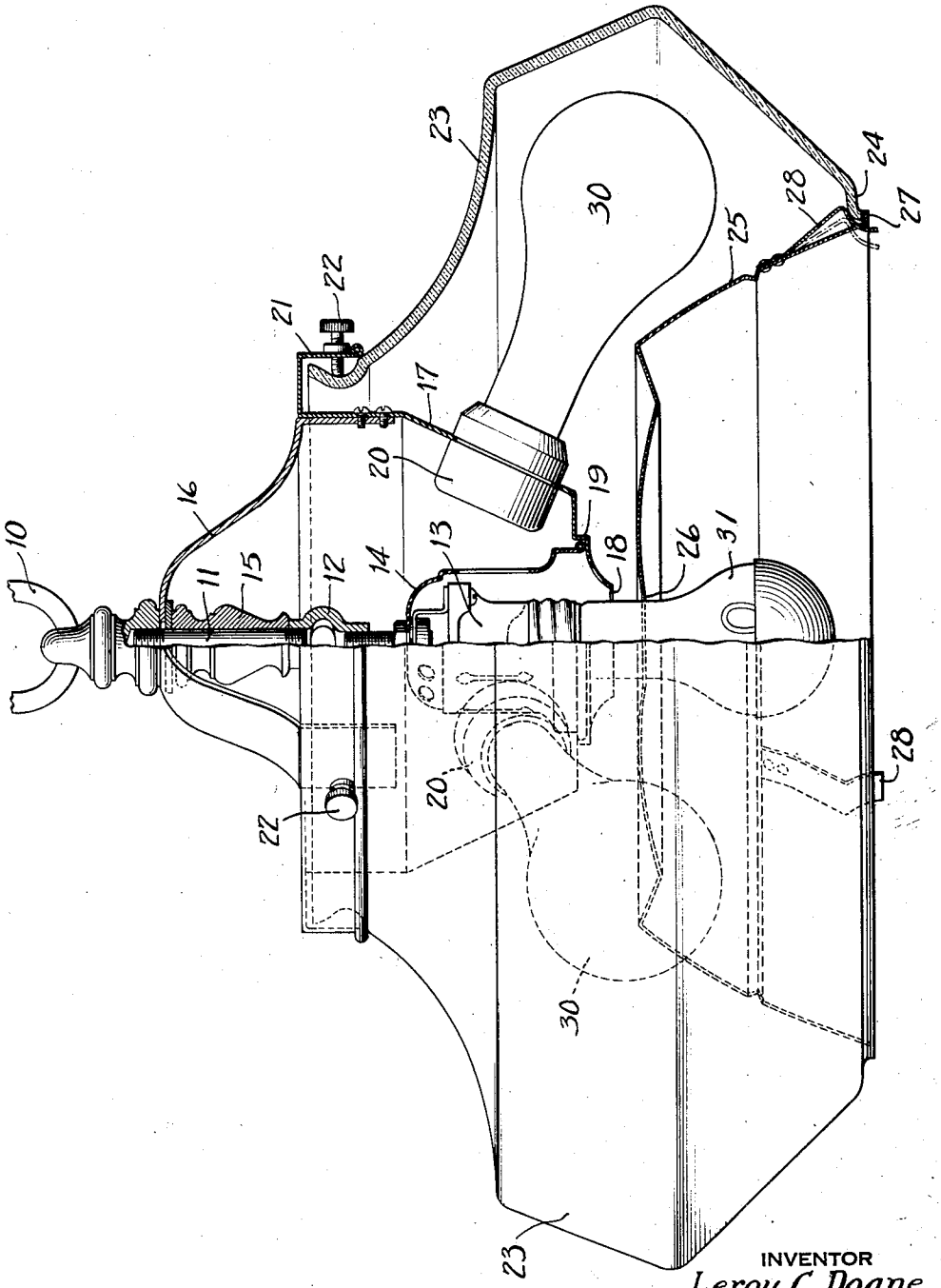

INVENTOR

Leroy C. Doane

BY

Joseph Liberman

ATTORNEY

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LIGHTING UNIT

Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

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5 Claims. (Cl. 240—78)

The present invention relates to lighting units, and is more particularly directed toward a lighting unit designed for employing both ultra-violet and ordinary incandescent lamps.

The present invention contemplates an improved dual purpose lighting unit adapted to employ a number of ordinary incandescent lamps inside a diffusing shade and a single, preferably pendant, ultra-violet radiator, such as a lamp of the S-2 type.

According to the present invention, the lighting unit is arranged so that the flux from the pendant ultra-violet radiator is directed downwardly and the flux for the incandescent lamps is diffused outwardly by the glass shade, most of this light being sent in an upward direction.

The invention also contemplates a lighting unit of the general type above referred to wherein provision is made for dissipating heat from the socket employed for the ultra-violet radiator.

Other and further objects will appear as the description proceeds.

In the accompanying drawing, the single figure shows, for purposes of illustrating the present invention, an embodiment in which the invention may take form, it being understood that the drawing is illustrative of the invention rather than limiting the same.

The lighting unit shown in the drawing is carried by a loop 10 secured to a nipple 11. This nipple carries a hickey 12, pendant lamp socket 13, and socket cover 14. An ornamental spacer 15 is placed about the nipple 11 and supports a bracket 16 of any suitable form. This bracket may extend downwardly as indicated and is secured to a cup shaped stamping or spinning 17. This stamping or spinning has a central aperture 18 underneath the socket 13, a shoulder 19 to receive the lower edge of the socket cover 14, and carries a number of lamp sockets 20. The upper edge of the stamping or spinning 17 is bent downwardly as indicated at 21 to receive shade holding screws 22.

A diffusing glass shade 23, open at the top and bottom as indicated, is supported by the shade holding screws 22. The bottom opening 24 of this shade is closed by a reflector 25 preferably made of sheet aluminum. This reflector has a central aperture indicated at 26 and a bottom flange 27. It carries a number of spring clips 28 adapted to engage the upper surface of the glass as indicated.

Incandescent lamp bulbs 30 are carried in the sockets 20 and an ultra-violet radiator 31, such as an S-2 lamp, is carried in the pendant socket 13.

The light from the ultra-violet light radiator is reflected downwardly by the reflector 25 and the light from the incandescent lamps is diffused by the shade 23.

The structure shown segregates the heat from the incandescent lamps and the heat losses from the ultra-violet lamp and socket. The heat losses from the socket 13 and the convection currents rising from the pendant lamp pass out through the ventilation openings in the socket cover 14 and escape through the upwardly opening stamping 17. The heat from the incandescent lamps 30 escapes in the usual manner without heating up the central lamp socket.

The arrangement herein shown facilitates cleaning and lamp bulb renewals and the fixture may harmonize in general appearance with other similar fixtures which do not employ an ultra-violet radiator.

It is obvious that the invention may be embodied in many forms and constructions within the scope of the claims, and I wish it to be understood that the particular form shown is but one of the many forms. Various modifications and changes being possible, I do not otherwise limit myself in any way with respect thereto.

What is claimed is:

1. A lighting unit comprising a suspension, a pendant lamp socket at the lower end of the suspension, the suspension having outwardly extending arms above the lamp socket, a cup shaped stamping secured at its upper portion to the ends of the arms and having an opening in the bottom to give access to the socket, a plurality of lamp sockets secured to the cup shaped stamping, lamp bulbs therein, an annular glass shade open at the top and bottom and surrounding the lamps, means to support the shade from the upper portion of the stamping, an upwardly dished centrally apertured reflector detachably secured to the lower edge of the shade, and a lamp bulb passing through the reflector and stamping and threaded into the pendant socket.

2. A lighting unit comprising a suspension, a pendant lamp socket at the lower end of the suspension, the suspension having outwardly extending arms above the lamp socket, a cup shaped stamping secured at its upper portion to the ends of the arms and having an opening in the bottom to give access to the socket, a plurality of lamp sockets secured to the cup shaped stamping, lamp bulbs therein, an annular glass shade open at the top and bottom and surrounding the lamps, means

to support the shade from the upper portion of the stamping, an upwardly dished centrally apertured reflector detachably secured to the lower edge of the shade, a lamp bulb passing through the reflector and stamping and threaded into the pendant socket, and a socket cover about the pendant socket and engageable with the stamping to center the parts.

3. A lighting fixture comprising a suspension, a pendant lamp socket at the lower end of the suspension, a cup shaped body stamping secured to the suspension, the stamping being outwardly flanged at the top and centrally apertured to allow access to the socket, a plurality of lamp sockets carried by the side walls of the cup shaped stamping, a glass shade open at the top and bottom, shade supporting means carried by the flange, the flange closing the top of the shade, lamp bulbs in the second mentioned sockets and screened by the shade, the upper opening in the shade being large enough to pass by the sockets but not the bulbs, a shade supported reflector removably carried in the lower opening of the shade and extending adjacent the center of the stamping, the lamp bulbs being removable when the reflector is released, and a lamp bulb in the pendant socket and extending through the reflector.

4. In a lighting fixture, a suspension carrying at the lower end thereof a pendant lamp socket for a high wattage lamp, a socket shell about the socket and provided with ventilation openings, a cup-shaped socket holder secured to the suspension and having an opening below the pendant socket, and a plurality of outwardly opening sockets carried by the socket holder, the socket holder opening upwardly to facilitate dissipation of heat from the pendant socket.

5. In a lighting fixture, a suspension, a spider carried thereby, an upwardly opening cup-shaped stamping secured at its top to the spider and apertured at the bottom, a hickey carried by the suspension, a pendant lamp socket secured below the hickey, a socket cover about the pendant socket having its lower edge in contact with the cup-shaped stamping, a pendant bulb extending through the stamping aperture and into the pendant socket, a plurality of lamp sockets carried by the walls of the cup-shaped stamping, the stamping forming a wiring chamber, lamp bulbs in the sockets, an enclosing glass shade about the latter mentioned bulbs, and secured to the upper edge of the stamping, the bottom of the shade being open, and a reflector detachably carried by the shade and extending from its lower edge to the neck of the pendant lamp bulb.

LEROY C. DOANE.