Sept. 27, 1966 W. J. LEBB 3,275,821

SHADES

Filed July 31, 1964

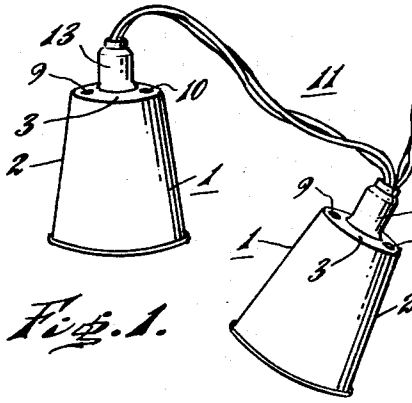


Fig. 1.

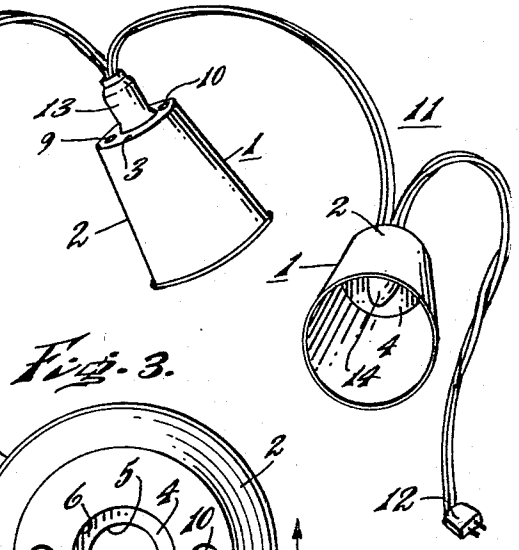
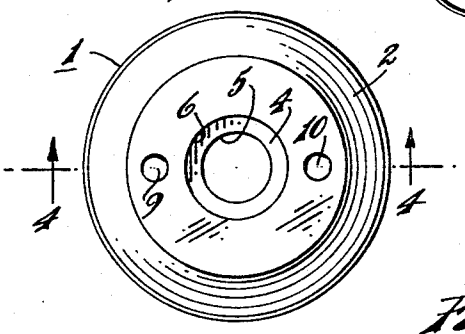


Fig. 3.



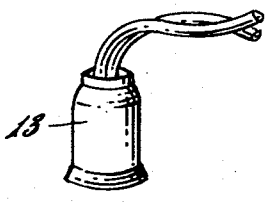
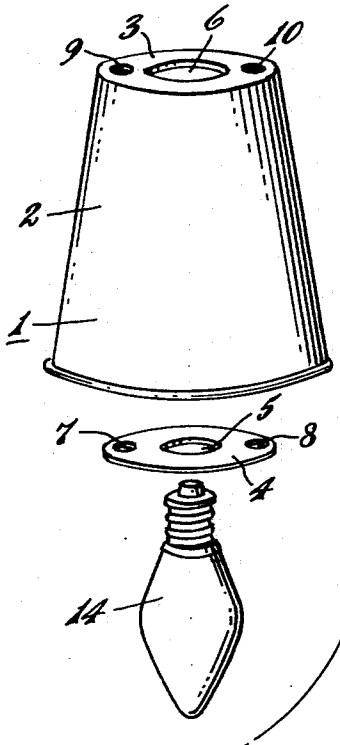


Fig. 2.



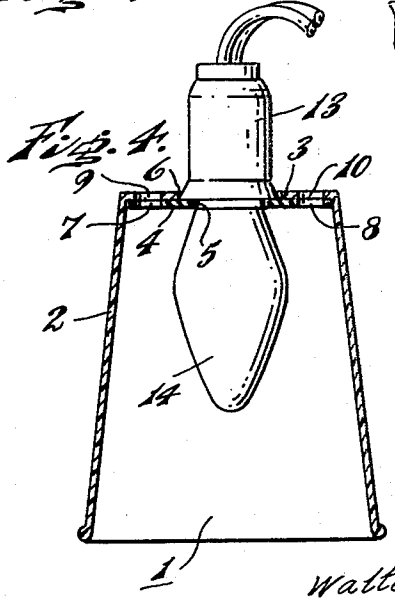


Fig. 4.

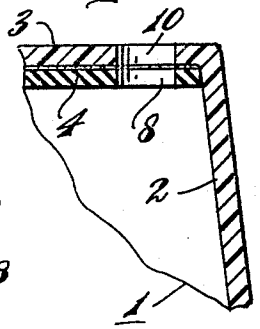


Fig. 5.

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SHADES

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This invention relates to a novel translucent shade which is formed from a plastic cup which has the characteristics that it will not burn unless it is exposed to an open flame, and is not normally affected by the heat of a bulb and socket to which it is attached.

The invention comprises novel means for insulating the shade from the socket and bulb, and providing the insulating member and the bottom of the plastic cup with aligned holes, so that when the shade is assembled on the light socket by the attachment of the bulb to the light socket, the bottom of the plastic cup is clamped to the socket and insulated therefrom.

The shade may be used singly or in multiples, and is of special advantage when used with a string of colored lights for exterior or interior decoration.

Under the present practice, in the making of plastic cups, many thousands have defective bottoms and have to be scrapped. Such material is well adapted to the manufacture of the present shades.

With the foregoing and other novel features as will be hereinafter clearly explained, my invention comprises a novel shade manufactured from a plastic cup.

It further comprises a novel shade having an insulating strip fixed to its bottom, the strip and its bottom having aligned holes, and the strip also if desired, having one or more aligned holes for ventilation and cooling.

For the purpose of illustrating the invention, I have shown in the accompanying drawings a preferred form thereof which I have found in practice to give satisfactory and reliable results. I is, however, to be understood that the various instrumentalities of which the invention consists can be variously arranged and organized, and the invention is not limited, except by the scope of the appending claim, to the exact arrangement and organization of these instrumentalities as herein set forth.

FIGURE 1 is a perspective view of a shade embodying my invention, arranged in a string of lights.

FIGURE 2 is an exploded view of the various components of the shade.

FIGURE 3 is a top plan view of the shade with the socket removed.

FIGURE 4 is a section on line 4—4 of FIGURE 3.

FIGURE 5 is a fragmentary section, on an enlarged scale, of the shade, showing the manner in which the insulating disc is fixed to the bottom of the shade body.

Similar numerals indicate corresponding parts.

Referring to the drawings:

The shade is formed from a plastic cup **1**, having fluorescent side walls **2**, and a closed bottom **3**. An insulating disc **4** is secured to the bottom of the cup, by cementing, or other means, and this disc has an opening **5**, which is aligned with an opening **6** in the bottom of the cup. The opening in the bottom of the cup is preferably but not necessarily greater than the opening in the insulating disc. The insulating strip also preferably has openings **7** and **8** which are aligned with similar openings **9** and **10** in the bottom of the cup. The shade of this invention may be used singly, but is preferably used with a string of lights **11**, having a plug **12**, connected with a source of electric supply, and provided with sockets **13** and bulbs **14**, for the sockets, of different colors.

In assembling the cup with the socket, the lamp socket is applied to the bottom of the cup, the bulb is screwed into the socket against the insulating strip, thus clamping the cup to the socket.

The bulbs are located preferably centrally of the shade, so that there is a substantial air space between the bulb and the outer wall of the shade, thus preventing the possibility of any fire hazard.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

A shade comprising a translucent plastic cup, an insulating member secured to the inside bottom of the cup, said insulating member having a central opening receiving a light bulb, said bottom of the cup having a central opening of greater diameter receiving a lamp socket, said member and bottom having aligned holes for heat ventilation, whereby when the cup is applied to a light socket and a light bulb secured in position, the cup is clamped to the socket and insulated therefrom.

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