July 17, 1934. L. C. DOANE 1,966,583

LIGHTING FIXTURE

Filed July 30, 1932

Fig. 1.

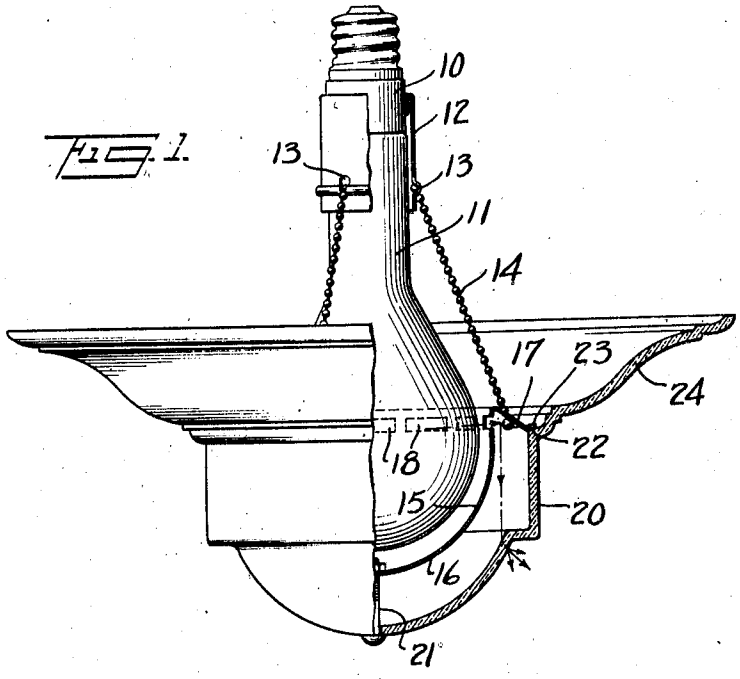
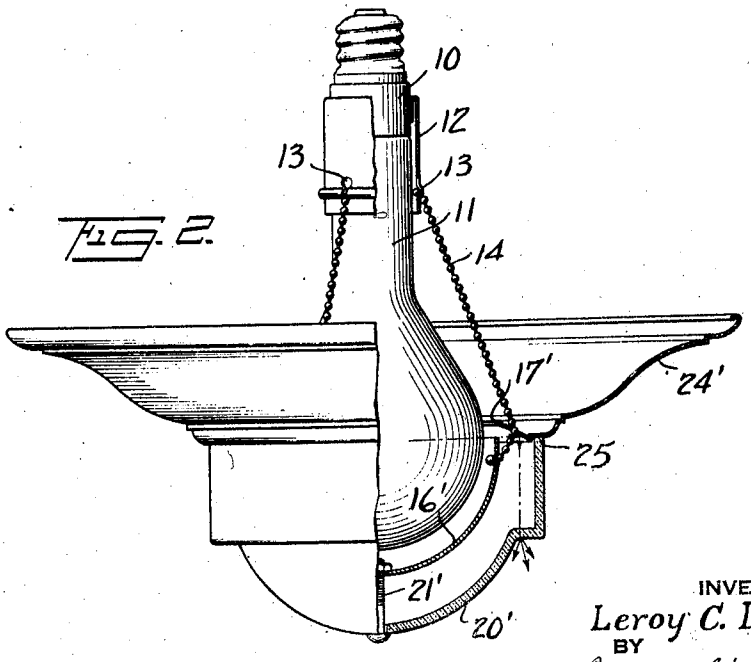


Fig. 2.



INVENTOR
Leroy C. Doane,
BY
Jacob Shiberman
ATTORNEY

Patented July 17, 1934 1,966,583

UNITED STATES PATENT OFFICE

1,966,583

LIGHTING FIXTURE

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

Application July 30, 1932, Serial No. 626,500

5 Claims. (Cl. 240—78)

The present invention relates to lighting fixtures.

The present invention contemplates lighting fixtures having a translucent bowl underneath the upwardly acting reflector and arranged so that a small amount of light is directed into the area between the bowl and reflector so that the bowl appears luminous.

A further object of the invention is to provide a semi-indirect lighting fixture adapted for use as a replacement fixture in existing pendant lamp sockets wherein provisions are made for lamp bulb renewal.

The accompanying drawing shows, for purposes of illustrating the present invention, two of the many embodiments in which the invention may take form, it being understood that the drawing is illustrative of the invention rather than limiting the same. In the drawing:

Fig. 1 is a sectional view with parts in elevation, showing one embodiment of the present invention, and

Fig. 2 is a similar view showing another form of construction.

The lighting fixture preferably employs a socket extension indicated at 10 adapted to be threaded into a pendant lamp socket in a well known manner. This socket extension carries a lamp bulb 11 and a metal shell 12. The shell has a number of bayonet openings 13 adapted to receive the upper ends of a plurality of lengths of bead chain, as indicated at 14.

In the form shown in Fig. 1, the bead chain is hooked into a stamping or spinning 15 having a cup shaped central portion 16, slightly larger than the lamp bulb and a downwardly, outwardly flaring peripheral portion 17. The stamping is perforated as indicated at 18 so that light can pass through it and strike the lower surface of the reflecting band 17. This cup-shaped stamping 15 supports a glass diffuser 20 by means of a central bolt 21. This diffuser is somewhat larger than the reflector stamping, being spaced from it in the manner indicated. It preferably has an annular portion 22 adapted to engage the outer edge 23 of the stamping 15, and an integral, outwardly and upwardly flaring screening portion 24.

The reflector 16 acts to send nearly all of the light upwardly for ceiling illumination. A very small amount of light is reflected downwardly by the band 17 to afford illumination of the lower part of the diffuser 20. The upper screening part 24 hides the inner parts of the fixture, screens the upper part of the lamp bulb, and improves the appearance of the fixture.

In the form of construction shown in Fig. 2 the screen 24' and reflecting band 17' are made of a single piece of sheet metal. The reflector 16' is spaced slightly below the band 17 so that light may pass out, engage the band, and be reflected downwardly as indicated. These two metal parts are supported by means of bead chains 14 as shown. A bolt 21' supports a glass diffuser 20' as indicated, the upper edge 25 of the diffuser 20' preferably engaging the stamping member 17', 24' so as to hold the parts in fixed position.

Whenever it is desired to relamp the fixture it is merely necessary for one to lift one of the lengths of bead chain 14 so as to release it from the bayonet slot 13. This allows the reflector and glass bowl to swing downwardly so that one can remove the lamp bulb.

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 forms shown are but two 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. An indirect lighting fixture comprising a pendant lamp socket, a lamp bulb therein, an opaque cup shaped reflector about the bottom of the lamp bulb and extending up to the center of the bulb, a supension for supporting the reflector from the lamp socket, a translucent glass bowl spaced below the reflector and supported from the reflector, a downwardly acting reflecting band outside of and above the first reflector for intercepting light and reflecting it downwardly into the space between the first reflector and the glass bowl, and a member extending upwardly and outwardly from the reflecting band for screening the upper part of the bulb against observation from angles just below the horizontal.

2. A lighting fixture as set forth in claim 1, wherein the reflector and the reflecting band are integral and the bowl and screen are integral.

3. A lighting fixture as set forth in claim 1, wherein the screen and reflecting band are in the form of a sheet metal stamping or spinning.

4. An indirect lighting fixture comprising a pendant lamp socket, a lamp bulb therein, an opaque cup shaped reflector about the bottom of the lamp bulb and extending up to the center of the bulb, a suspension for supporting the reflector from the lamp socket, a translucent glass bowl spaced below the reflector, a downwardly acting

reflecting band outside of and above the first reflector for intercepting light and reflecting it downwardly into the space between the first reflector and the glass bowl, a member extending upwardly and outwardly from the reflecting band for screening the upper part of the bulb against observation from angles below the horizontal and a bolt extending between the bowl and first reflector for supporting the bowl, the bowl having an edge in engagement with the band for aligning the two parts together.

5. An indirect lighting fixture comprising a pendant lamp socket, a lamp bulb in the socket, a sheet metal stamping having a cup shaped portion to receive the lamp bulb, a downwardly and outwardly flaring band about the periphery of the cup shaped portion and apertures to permit light to pass outwardly and strike the band, means for supporting the stamping from the socket, a glass bowl having a central portion spaced from the cup shaped part of the stamping to be illuminated by light reflected by the band, a portion in contact with the edge of the band and an outwardly and upwardly flaring portion beyond the band, and a clamping bolt between the stamping and bowl.

LEROY C. DOANE.