Dec. 16, 1952 W. SHER 2,622,190

LAMP SHADE AND SUPPORTING MEMBER THEREFOR

Filed Sept. 7, 1948

Fig. 1

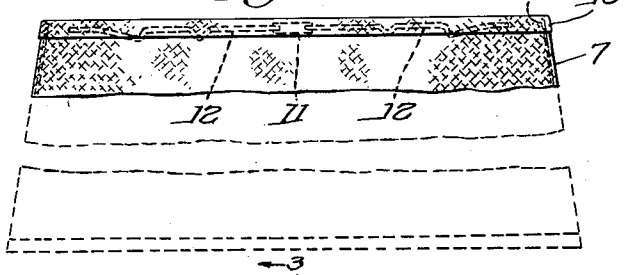


Fig. 2.

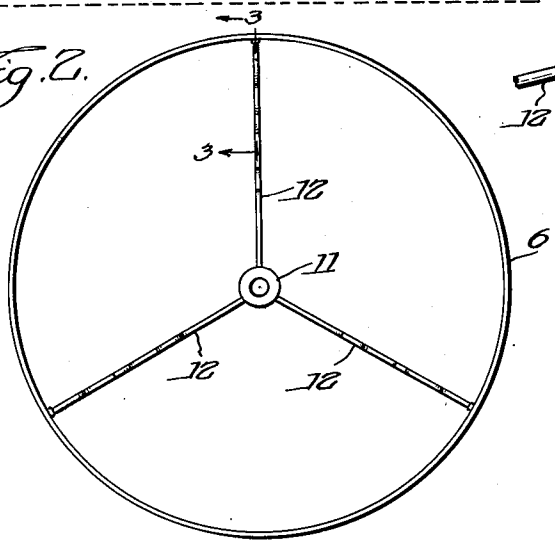


Fig. 3.

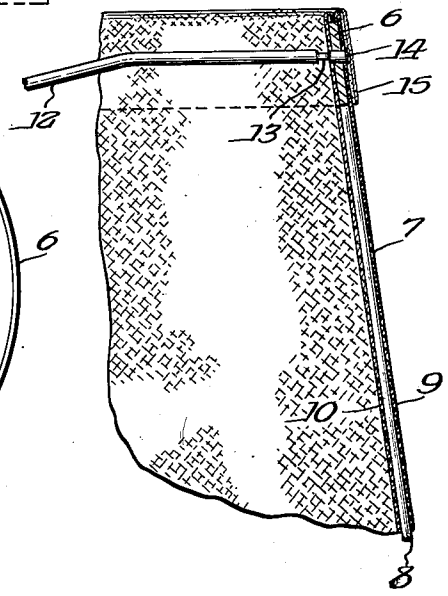


Fig. 4

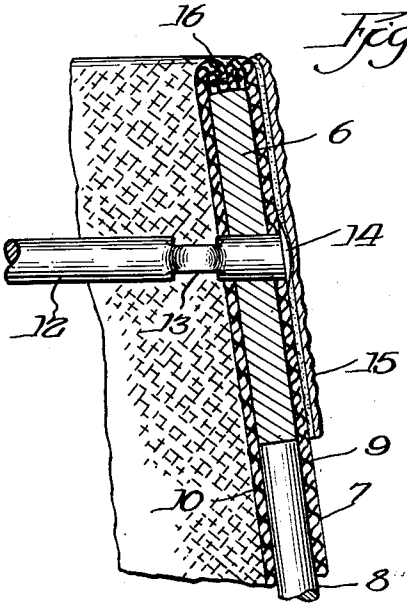
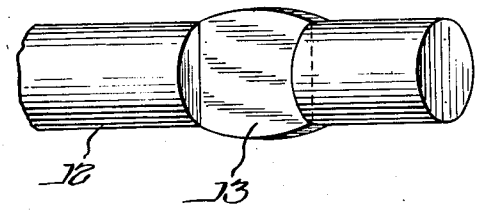


Fig. 5.



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LAMP SHADE AND SUPPORTING MEMBER THEREFOR

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6 Claims. (Cl. 240—108)

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This invention relates to lamp shades and more particularly it relates to novel means for attaching the supporting arms of a lamp shade to the upper ring thereof.

Another object is to provide shoulders on the outer ends of the supporting arms for positively connecting the arms of the upper ring.

Another object is to simplify and otherwise improve upon the connecting means between the supporting arms and ring, whereby the arms and ring may be quickly and readily assembled.

Another object is to provide improved connecting means between the supporting arms and ring which eliminates the necessity for slitting the covering material of the shade.

Another object is to eliminate objectionable hooks on the supporting arms for connecting the latter to the ring.

Other objects and advantages will appear in the course of this specification and with said objects and advantages in view, this invention consists in the several novel features hereinafter fully set forth and more definitely pointed out in the appended claims.

The invention is clearly illustrated in the drawing accompanying this specification, in which:

Fig. 1 is a side elevation partly broken away of a lamp shade embodying a simple form of the present invention.

Fig. 2 is a plan of the supporting member and upper ring with the covering material omitted.

Fig. 3 is a vertical fragmental section of the lamp shade taken substantially on the line 3—3 of Fig. 2.

Fig. 4 is a view substantially the same as Fig. 3 except that it is on an enlarged scale; and

Fig. 5 is a perspective view of an end portion of one of the supporting arms showing the same upon a greatly enlarged scale.

Referring to said drawing, the reference character 6 designates the upper ring of a lamp shade over which is draped the covering material 7. As is well understood, there is a lower ring (not shown), around or to which the covering material is secured. Prior Patents Nos. 1,989,384, 2,285,307 and 2,339,655 disclose several ways of attaching the covering material to the lower ring, but obviously other common and well known ways may be substituted for those shown in the above mentioned patents. The upper and lower rings are connected and spaced apart by wire or rods 8, welded or otherwise secured to said rings as is customary.

The upper ring is preferably composed of a flexible flat strip, or round rod material bent into

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annular form with its ends secured together by any suitable means and the covering material 7 is draped over both sides of the upper ring to provide outer and inner covers 9, 10 which may comprise a single panel of material or of two panels stitched together as at 16. A supporting member is provided for the lamp shade and as shown it comprises an annular attaching member 11 by which the lamp shade may be supported upon a lamp, and from said attaching member extend several radially extending supporting arms 12, preferably formed of lengths of wire or rods that are secured to the attaching member 11 in any suitable manner, and extend to and through the covering material and upper ring and are permanently attached thereto.

The upper ring 6 with the covering material thereon is pierced to provide several equidistant spaced apertures therein, corresponding in number to the supporting arms 12. For attaching the supporting arms to the ring, the arms may be provided with a flattened shoulder or other enlargement or otherwise deformed adjacent their outer ends as at 13 for seating against the inner side of the upper ring or against the interposed inner cover 10. The extremity of the end portion of each supporting arm which extends through the upper ring may be provided with a shoulder or enlargement 14 either by flattening or upsetting or otherwise deforming the wire or by swaging it down upon the outside of the upper ring or upon the interposed cover 9, whereby to provide a shoulder or head 14 having a smooth exterior. A shoulder or enlargement may be provided on the inner or outer side of the ring or on both sides thereof. The upper ring is tightly gripped by the two shoulders 13, 14 of each supporting arm and is held properly spaced from the attaching member 11.

Desirably a strip of pressure adhesive tape 15 or other ornamental strip is secured over the portion of the outer cover which extends in front of the upper ring. This strip not only improves the appearance of the lamp shade, but it covers the heads or shoulders 14 of the supporting arms.

The upper ring could be made of plastic material, metal or the like and could be extended down so as to provide the shade itself, in which case the outer and inner covering materials would be dispensed with.

From the above it is apparent that I have provided a lamp shade in which the supporting arms are tightly attached to the upper ring of the lamp shade without the necessity for slitting the covering material to accommodate the arms.

Furthermore, the arm attaching means are simple, and capable of being struck up with suitable dies to form the shoulders or enlarged portions.

Having thus described my invention, it is obvious that various immaterial modifications may be made in the same without departing from the spirit of my invention; hence, I do not wish to be understood as limiting myself to the exact form, construction, arrangement and combination of parts herein shown and described or uses mentioned.

What I claim as new and desire to secure by Letters Patent is:

1. The combination with a lamp shade having an upper ring, covering material encircling the exterior peripheral face of said ring, and said ring and covering material formed with peripherally spaced aligned holes extending through the ring and the covering, of an attaching member having several supporting arms radiating therefrom with their outer extremities adapted to extend through the aforesaid holes in said covering and ring as the arms are inserted from within the inner periphery of the ring outwardly through the holes extending through the ring and the covering, and at least one of said arms formed at its end portion with shoulder means adapted to operatively engage the inner periphery of said ring contiguous to the holes as the extremities of said arms extend into said ring, whereby the attaching member is adapted to be attached to the shade, and the shoulder means limits the inward movement of the ring with respect to the arms of the attaching member.

2. A lamp shade comprising an upper ring, covering material encircling the exterior peripheral face of said ring, said ring and covering material formed with peripheral spaced aligned holes extending through the ring and the covering after the application of the covering material to complete the shade, an attaching member having several supporting arms radiating therefrom with their outer extremities adapted to extend through said covering and ring as the arms are inserted from within the inner periphery of the ring outwardly through the holes extending through the ring and the covering, and said arms formed at their end portions with shoulder means from the material of said arms and adapted to engage the inner periphery of said ring contiguous to the holes as the extremities of said arms extend within said ring, whereby the attaching member is adapted to be attached to the shade.

3. In a lamp shade, an upper ring provided with peripherally spaced apertures, a continuous layer of material encircling the exterior peripheral surface of said ring, and an attaching member having several supporting arms radiating therefrom with their outer extremities extending through the apertures formed in said ring and piercing the layer of the covering material as the arms are inserted from within the inner periphery of the ring outwards through the apertures, and being formed at their end portions with shoulders from the material of the arms to operatively engage the inner and outer periphery of the ring contiguous to the apertures, and means overlying the ends of said arms and the adjacent portions of said covering material for concealing said ends.

4. In a lamp shade, an upper ring provided with peripherally spaced apertures, an inner and outer layer of covering material, the respective layers extending continuously around the inner and outer peripheral surfaces of the ring, and a supporting member having a central annular attaching member and several supporting arms radiating therefrom, with their outer extremities extending through the apertures formed in said ring and covering material as the arms are inserted from within the inner periphery of the ring outwardly through the apertures, and each having a shoulder positioned adjacent the inner layer and inner peripheral surface of the ring contiguous to the apertures to limit movement of the arm toward the adjacent portion of the ring.

5. In a lamp shade, an upper apertured ring, covering material extending continuously along both the inner and outer peripheral surfaces of said ring, and a supporting member having a central annular attaching member, several supporting arms radiating therefrom, with their outer extremities extending through said apertured ring and piercing the concentric layers of covering material as the free ends of the arms are inserted from within the inner periphery of the peripherally apertured ring, and having shoulders to abut the ring contiguous to the apertures, one on each side of the said ring formed from the material of each arm, and a strip of material secured to the covering around the ring and over the outer shoulders.

6. In a lamp shade, an upper ring provided with peripherally spaced apertures, covering material extending continuously along both the inner and outer peripheral surfaces of said ring, and a supporting member having a central annular attaching member and several supporting arms radiating therefrom, with their outer extremities extending through the apertures formed in said ring and piercing the adjacent concentric inner and outer portions of the covering material as the free ends of the arms are inserted from within the inner periphery of the ring outwardly through the apertures, each arm having a shoulder on its end positioned at the outer side of the ring to prevent withdrawal of the arm from the ring after the arm is inserted through the ring, and a strip of material adhesively secured to the covering material around the ring and on said shoulders at the free ends of said arms.

WILLIAM SHER.

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