

Dec. 17, 1957

E. A. CLOER

2,817,008

LAMP SHADE

Filed Oct. 18, 1954

3 Sheets-Sheet 1

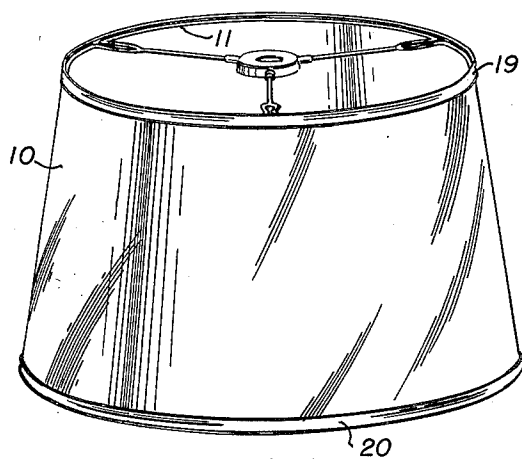


FIG. 1.

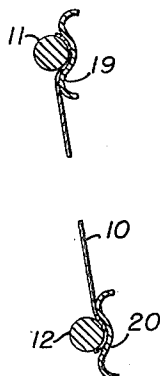


FIG. 3.

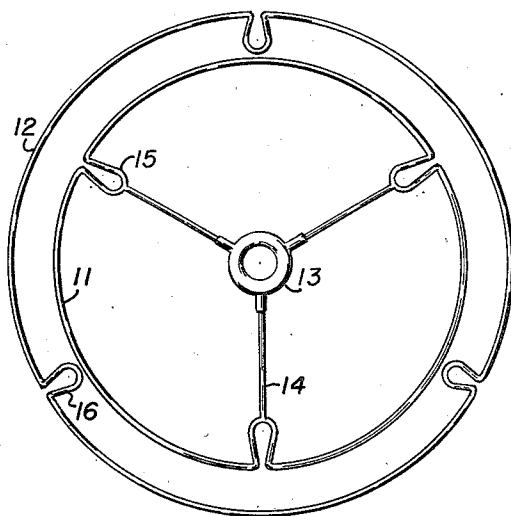


FIG. 2.

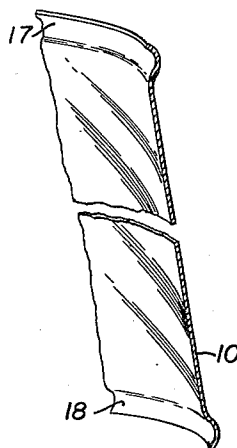


FIG. 5.

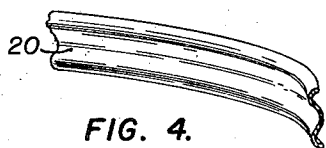


FIG. 4.

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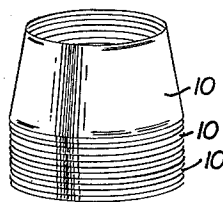
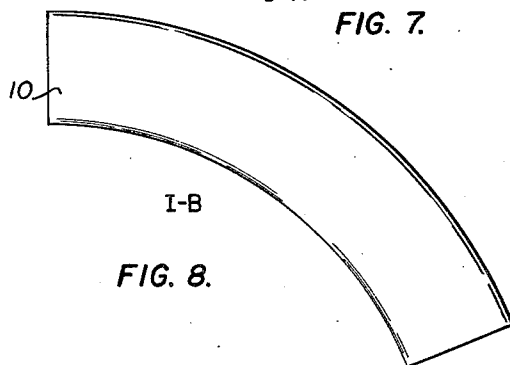
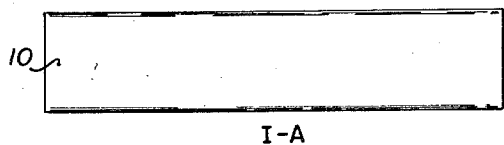
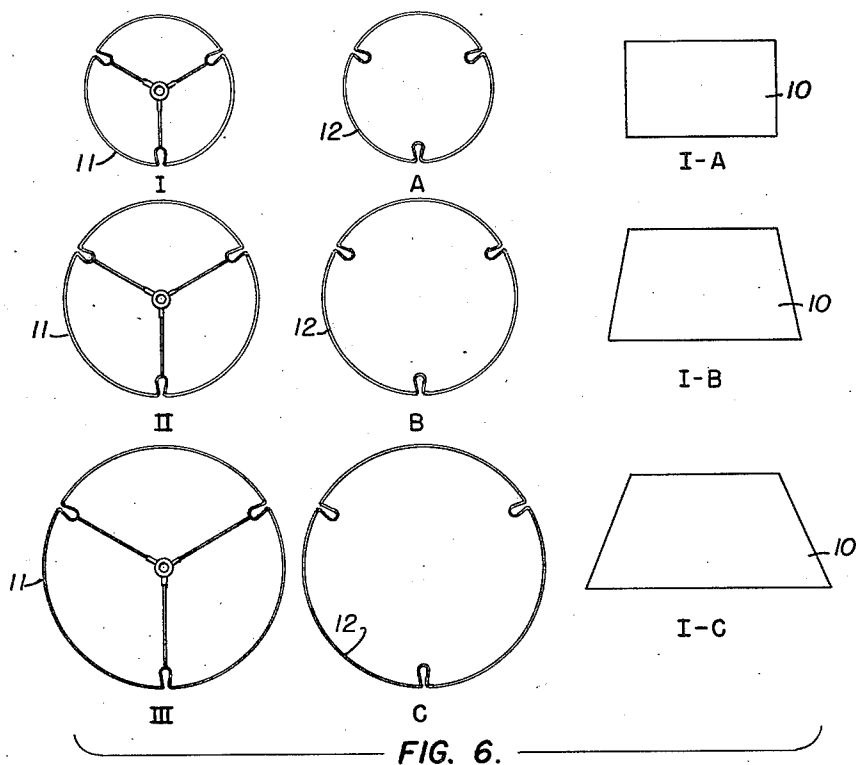
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3 Sheets-Sheet 3

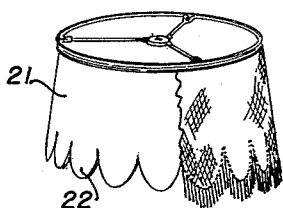


FIG. 10.

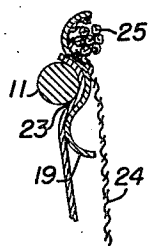


FIG. 11.

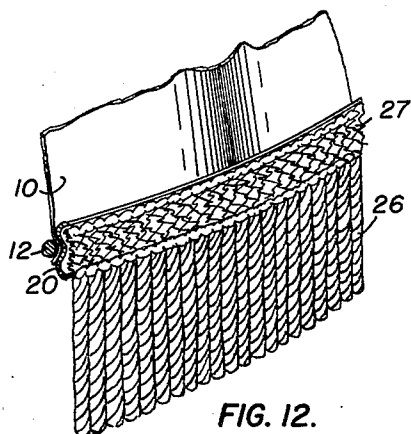


FIG. 12.

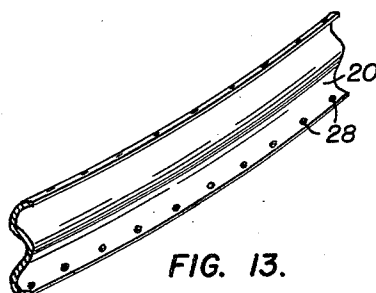


FIG. 13.

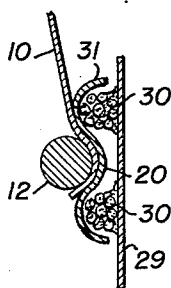


FIG. 14.

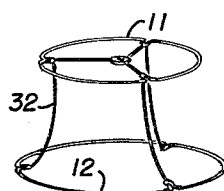


FIG. 15.

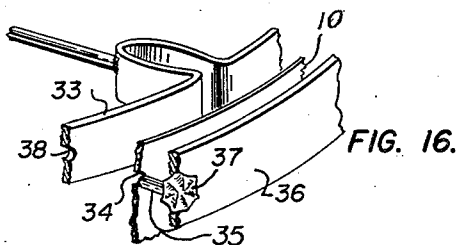


FIG. 16.

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2,817,008

LAMP SHADE

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Application October 18, 1954, Serial No. 462,675

2 Claims. (Cl. 240—108)

This invention relates to lamp shades and has reference to a demountable construction therefor.

An object of the invention is to provide a lamp shade construction having replacement parts whereby an inexperienced person may quickly and conveniently assemble a new lamp or replace worn parts. Also, the invention contemplates replacement parts of different configurations and whereby lamp shades of different designs may be quickly and conveniently assembled, either in the retail store or by the purchaser.

A particular object of the invention is to provide multiple parts for the described purpose, and which parts may be shipped in flat cartons, boxes or the like, and may be stored without requiring as much space as assembled prefabricated lamps.

Generally, the invention contemplates interchangeable lamp shade parts for conveniently and easily constructing lamp shades of various designs, and which lamp designs may be changed from time to time to suit the desires of the user.

In the accompanying drawings:

Figure 1 is a perspective view of a lamp shade made in accordance with the invention.

Figure 2 is a plan view of the disassembled upper and lower frame rings forming a part of the lamp shown in Figure 1.

Figure 3 is an enlarged broken sectional view of the lamp shade illustrated in Figure 1, and showing the relative positions of the upper and lower frame rings, the lamp shade body, and the preformed rings for holding the shade body in place.

Figure 4 is a broken perspective view of the preformed holding ring.

Figure 5 is a broken perspective view of a shade body of translucent sheet material, such as synthetic resin or the like.

Figure 6 is a plan view of upper and lower frame rings such as shown in Figure 2, together with schematic elevations of shade designs obtained by interchanging the referred to rings.

Figure 7 is a flat pattern of a shade body for making a cylindrical design, and

Figure 8 is a flat pattern for forming a frusto-conical design.

Figure 9 is a perspective view of a stacked interfitting arrangement of preformed shade bodies which may be employed when the last referred to flat patterns are not used.

Figure 10 is a perspective view of a variation of the invention in which there is no bottom frame ring and including a body of sheet synthetic resin or the like, and showing a decorative fabric positioned over the latter.

Figure 11 is a broken enlarged sectional view of the construction shown in Figure 10.

Figure 12 is a broken perspective view showing means for applying a fringe around the bottom of the lamp shade body when a lower holding ring is used.

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Figure 13 is a broken perspective of a preformed holding ring and having apertures therein for sewing decorations on the lamp shade.

Figure 14 is an enlarged perspective view showing means for applying a decorative band around the holding ring as applied to the lower edge of a shade.

Figure 15 is a perspective view of a frame for a bell shaped lamp, the shade body of which may be made of sheet plastic, pleated fabric or twisted fabric design.

Figure 16 is a broken exploded perspective view of a construction within the scope of the invention for applying decorative designs to lamp shades.

The form of the invention shown in Figures 1 through 5 includes a lamp shade body 10 of translucent sheet material, upper and lower frame rings 11 and 12, a center bearing 13, and radial supporting rods 14 connecting said bearing with the upper ring 11. The upper and lower frame rings 11 and 12 are provided with inwardly formed open loops 15 and 16 for compressing the diameters of these rings during the operation of assembling the lamp; however, it is to be understood that other means may be employed for compressing these rings within the scope of the invention. The lamp shade body 10 shown in Figures 1, 3 and 5 is provided with preformed grooves 17 and 18 for engaging the outer peripheral surfaces of the upper and lower frames 11 and 12, and which grooves engage corresponding grooves in upper and lower preformed holding rings 19 and 20.

As shown in Figure 6, there is an arrangement of upper frame rings 11 of different diameters, identified respectively by the numerals I, II and III, and a corresponding arrangement of lower frame rings 12 identified by the letters A, B and C. Also in Figure 6, there is a schematic arrangement of lamp shade elevations showing the required designs where upper and lower rings 11 and 12 of different diameters are used.

The combination shown in Figure 10 employs only the upper ring 11, together with a bendable shade body 21, similar to the described body 10, but having a decorative scooped design 22 around the lower end thereof. The upper periphery is grooved, as at 23, for engaging the upper ring 11, and the upper holding ring 19 has a decorative fabric 24 secured thereto. The fabric 24 is held in place by a cord 25 around the upper outer surface of the holding ring 19, and which cord may be cemented in place.

The form of the invention shown in Figure 12 is identical with the form shown in Figures 1 through 5, with the addition of a fringe 26 around the lower holding ring 20. The strands of the vertically arranged fringe 26 are secured to a fabric tape 27 which is secured by suitable means, such as cementing to the outer surface of the lower holding band 20.

The holding ring 20 shown in Figure 13 is provided with perforations 28 around the outwardly turned arcuate flange thereof for securing any desired decorations, such as beads or the like.

The construction shown in Figure 14 is a further modified form of the invention wherein a flat vertical circular band 29 is positioned around the holding ring 20 by means of spaced parallel ribs 30, each comprised of cemented or otherwise bonded fabric cords which are received within the arcuate flanges 31 of the holding band 20. As before, the shade body 10 is detachably secured to the frame rings 11 and 12 as set forth in the foregoing.

A bell shaped shade, not shown, of conventional design may be employed in connection with the described holding means. The upper and lower frame rings 11 and 12 are connected by inwardly curved wires or frame members 32, the upper and lower ends of which are soldered or otherwise connected to the inner ends of the upper and

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lower frame loops 15 and 16. The looped construction provides means for contracting the upper and lower wire frame rings 11 and 12 for attaching the shade body 10 and the upper and lower holding rings 19 and 20 as heretofore described.

A further modified form of the invention is illustrated in Figure 16 wherein the frame rings, such as the lower frame ring 33 shown, are of flat material formed into a loop. The shade body 10 is perforated, as at 34, and is arranged to receive studs 35 therethrough, and which studs are positioned through and secured to a decorative band 36. The outer ends of the studs 35 are provided with ornamental designs 37, and the inner ends of which studs are slidably received in openings 38 in the flat holding ring, such as the illustrated ring 33. The body 10, as in the other forms of the invention employing translucent sheet material, may be of colored photograph film for displaying pictures of the user's choosing.

The invention is not limited to the exemplary constructions herein shown and described, but may be made in many ways within the scope of the appended claims.

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What is claimed is:

1. In a lamp shade, the combination of at least one frame ring of spring material, said frame ring including inwardly formed open loops, means connected with said ring for holding the same in a horizontal position over a lamp, a shade body adapted to fit over and around said frame ring, and a continuously solid holding ring having an annular groove in the inner surface thereof adapted to fit over said body and around said frame ring.
2. In a lamp shade as defined in claim 1, the construction wherein said shade body is of bendable translucent material, said shade body being shaped to conform with the outer surface of said frame ring, and wherein said continuously solid holding ring is adapted to fit over said shade body and around the said frame ring.

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