Dec. 15, 1942. O. H. WILLIAMS 2,305,214

LOUVER LAMP SHADE

Filed Feb. 15, 1940

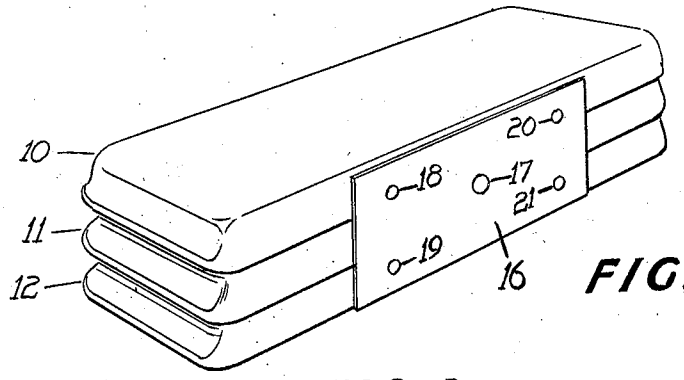


FIG. 1

FIG. 2

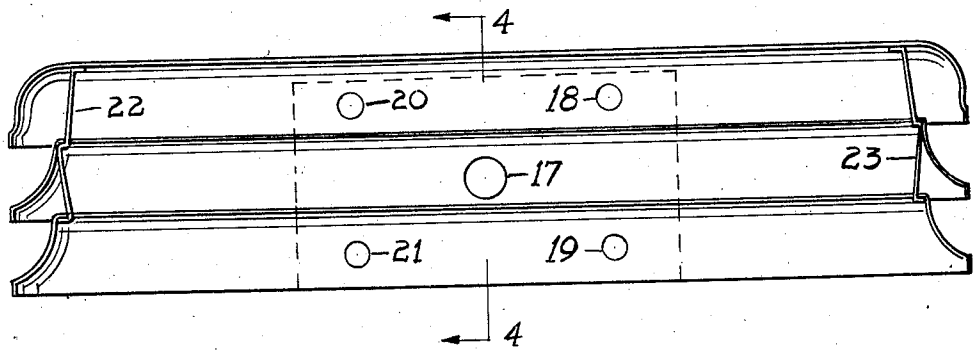


FIG. 3

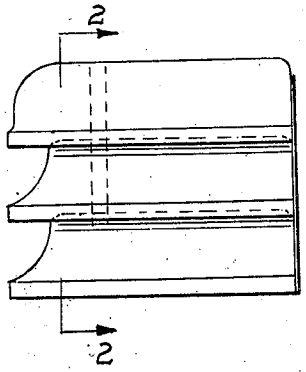
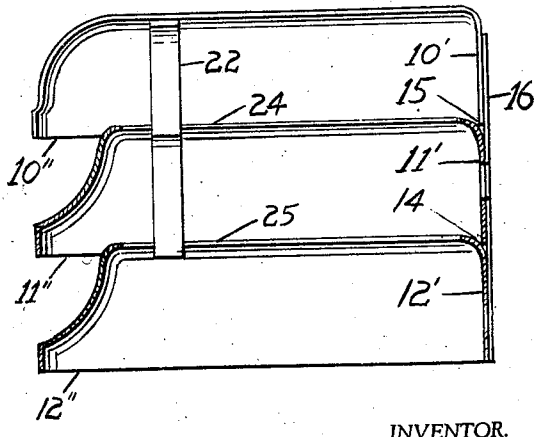


FIG. 4



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LOUVER LAMP SHADE

Oliver H. Williams, Chicago, Ill.

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1 Claim. (Cl. 240—73)

This invention relates to lamp shades and particularly to a novel construction of a louver lamp shade.

Such lamp shades are commonly incorporated with cooking ranges or like products which are manufactured on a high production basis. Ordinary shade structures have failed under production conditions and have proved to be high in cost and troublesome.

The particular object of this invention is to provide a shade structure which can be produced as a sturdy, accurate sub-assembly that can be consistently duplicated at low cost.

Another object is to provide a louver shade structure wherein the light is more effectively directed or reflected.

Other objects and benefits will be disclosed in the following description and drawing in which:

Fig. 1 is a rear isometric view of my louver lamp shade structure;

Fig. 2 is an enlarged cross-sectional elevation view of my lamp shade as it would appear on the section lines 2—2 of Fig. 3;

Fig. 3 is an end eleational view of the lamp shade shown in Fig. 1; and

Fig. 4 is an enlarged cross-sectional end elevation view as it would appear on the section line 4—4 of Fig. 2.

Now referring to the drawing and at the outset to Fig. 1, I designate my three louver sections by the numerals 10, 11, and 12. It will be noted in Fig. 4 that the back sides of the louver sections are flat or vertical and I indicate these vertical sections by the numerals 10', 11', and 12', respectively.

When I superimpose the sections one on the other it will be noted that the section 10 rests on the section 11 at the point 15 and that the lower edge 10'' at this point effectively closes the opening between the sections 10 and 11. Similarly, the section 11 rests on the section 12 at 14 and effectively closes this opening between the sections 11 and 12. It will be understood and appreciated that with the sections in this position it will be a comparatively easy matter to jig the sections in uniform relation to each other with their lower edges 10'', 11'', and 12'' equidistant and parallel. With the sections in this position I fasten them together by a support plate 16. This fastening may be accomplished by any conventional method although in my structure I prefer spot welding, which is easily accomplished through the flat abutting rear walls 10', 11', and 12' with the support plate 16. The support plate 16 and the rear walls 10', 11', and 12' of the sections are perforated in any desirable manner such as the hole 17 for the electric cord and the holes 18, 19, 20, and 21 for bracket supports.

The louver sections are further held together and supported by the support braces 22 and 23 which extend through the perforated tops 24 and 25 of the sections 11 and 12. These support braces are fastened in any conventional manner and in my preferred embodiment I use spot welding.

It will be appreciated that the support plate 16 effectively joins the sections together and with the additional support of the support braces 22 and 23 I provide a rigid, sturdy assembly which may be economically produced and accurately duplicated. In this connection it will be understood that I utilize the slugs from the perforated sections 24 and 25 for the support plate 16 as well as sections thereof for the support braces 22 and 23. In this way the material is utilized with a minimum of waste to effect the economies desired.

It will further be understood and appreciated that in closing the back wall of my shade that no light is reflected to the rear of the shade but all is directed outwardly. In this connection I form my louvers 11 and 12 with convex edges to allow for better diffusion of the light outward as desired.

Having thus described my invention, I claim:

In a louver lamp shade, inverted basin-like louver sections having flat vertical rear walls, the edges of said rear walls of the superimposed sections abutting the upper edge of the lower adjacent section to close the opening between said sections and establish a uniform parallel relationship between the sections, perforations through the top of the lower louver sections providing a hollow interior for a light globe, stepped front support braces fastened under the sections and extending through said perforations, the steps being arranged and proportioned to maintain the parallel relationship of the louver sections, a support plate fastened to said vertical rear wall sections to hold the sections in permanent horizontal parallel relationship.

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