July 20, 1937. C. F. BOOKMAN, JR 2,087,750

LAMP SHADE

Filed May 18, 1936 2 Sheets-Sheet 1

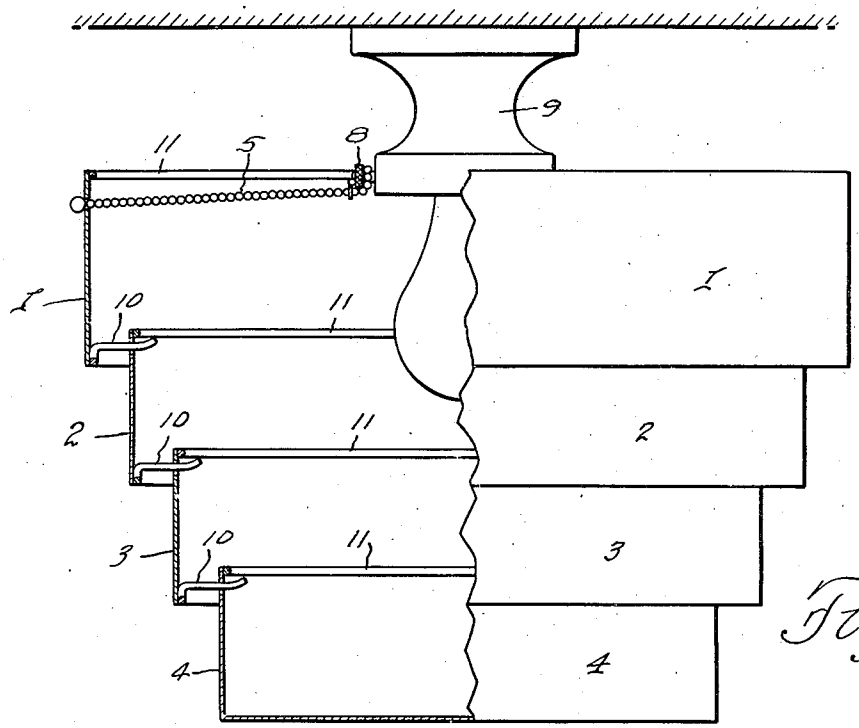


Fig. 1

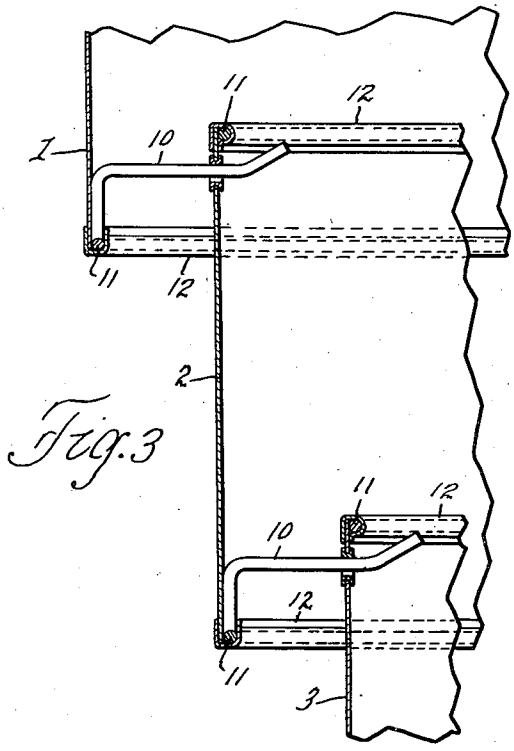


Fig. 3

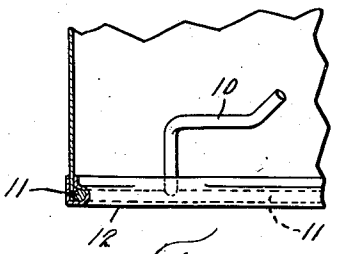


Fig. 4

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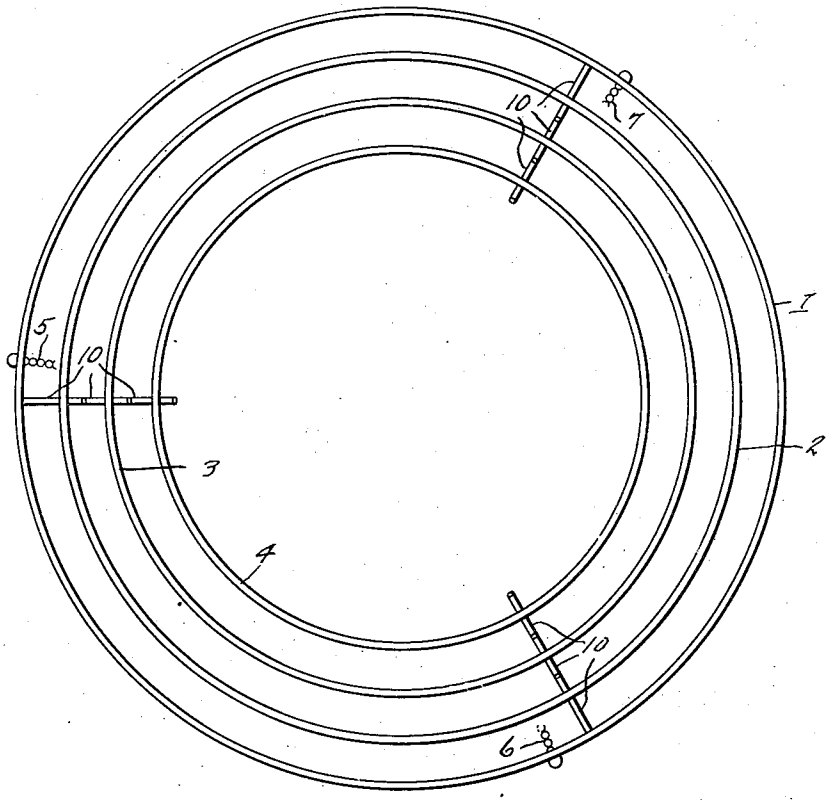


Fig. 2

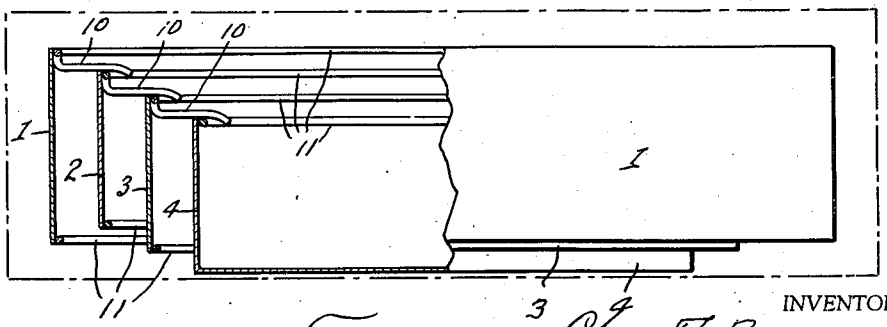


Fig. 5

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LAMP SHADE

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Application May 18, 1936, Serial No. 80,270

3 Claims. (Cl. 240—108)

This invention relates to lamp shades of the type adapted to be suspended or hung from a ceiling lighting fixture. Each lamp shade unit consists of a plurality of superposed sections which may be circular or polygonal in shape and which are arranged one within the other in concentric relationship, each section supporting the next lowermost section. Lamp shades of this general character are old in the art but heretofore considerable difficulty has been experienced in arranging such shades for shipment so that they will not require an exceptionally large carton or package. Such lamp shades are sold at competitive prices and the cost of the package is a material factor.

One of the objects of this invention is to provide a lamp shade which consists essentially of a plurality of shade sections which may be nested one within the other so as to save space in shipping and also to effect a saving in the cost of the carton required.

Another feature of novelty in my improved construction resides in the offset supporting members for the lamp shade sections which are so positioned as to enable the binding to be secured to the lower edges of each shade section by means of a binding or taping machine.

Another feature of novelty resides in providing eyelets in each shade section which are spaced a considerable distance above the lower edge thereof and above the taped portion thereof which provides a much stronger construction.

Another object of the invention is to provide a lamp shade unit of the character described which is made up of a plurality of sections which may be nested one within the other to save space in shipping and which can be produced in quantity production at a minimum cost.

Further and more limited objects of the invention will appear as the description proceeds and by reference to the accompanying drawings in which Fig. 1 is a view partly in section and partly in elevation disclosing my improved shade attached to a ceiling fixture; Fig. 2 is a plan view of the shade; Fig. 3 is an enlarged fragmentary sectional view disclosing the manner of supporting the shade sections one from the other; Fig. 4 is a fragmentary sectional view more clearly illustrating the manner of attaching the shade supporting members to the reinforcing wire and Fig. 5 is a view partly in section and partly in elevation showing the manner of arranging the different shade sections in nested relation for shipping, the shipping box or carton being indicated in broken lines.

Referring now to the drawings it will be seen that my improved lamp shade unit consists essentially of four shade sections which are indicated by the reference characters 1, 2, 3 and 4. Secured to the upper section 1 and extending through eyelets provided therein are a plurality of beaded chains 5, 6 and 7. These chains extend through the eyelets provided adjacent the upper edge of the section 1 and the opposite ends of such chains are attached to screws 8 of the usual ceiling outlet fitting 9.

Disposed adjacent the lower edges of each shade section are a plurality of supports 10 which preferably consist of short pieces of wire bent into the shape shown most clearly in Figs. 3 and 4. Extending about the upper and lower edges of each shade section is a reinforcing wire 11 which is secured to such edges by means of tape 12. The supports 10 are preferably welded or soldered to the wire 11 and are offset upwardly from the bottom edge of each shade section as shown most clearly in Figs. 3 and 4. The wire supports 10 are welded or soldered to the wire 11. The upper and lower edges of each shade section are covered with a strip of binding material 12 which is folded over such edges and reinforcing wires 11 in the manner shown. It will be noted that the wire supports 10 are offset upwardly from the lower edge of each shade section the purpose of which is to enable the strip of binding material to be applied to the lower edge of each shade section by means of a taping or binding machine. The several shade sections are disposed one within the other in concentric superposed relation as shown most clearly in Fig. 1, the lowermost section being in the form of a cup closed at its bottom. One advantage of this construction resides in the fact that several shade sections may be nested one within the other, as shown in Fig. 5 so as to save space in shipping and to enable the shade to be placed in a smaller box which is an important factor as the cost of the shipping container as well as the cost of shipping is considerable as compared to the cost of the shades.

It is to be understood that three or more shade supports 10 are provided which are equi-spaced about the periphery of each shade section. The fact that the eyelets in each shade section are disposed inwardly of the reinforcing wire 11 makes the support much stronger than would be the case were such eyelets disposed immediately adjacent the lower edge of each section; and such eyelets may be put in place after the edges of the shade sections have been taped or bound

on the taping machine. The several shade sections are formed of paper parchment or the like and the wire supports 10 are sufficiently flexible to enable them to be bent so as to be inserted into the eyelets when assembling or disassembling the shade sections.

Each shade unit preferably consists of three or four shade sections arranged as shown although the number of sections may be increased or diminished as desired. The shade unit when assembled appears as shown most clearly in Fig. 1. For the purpose of shipping, the shade sections are disassembled and may be arranged in the position shown in Fig. 5 thereby effecting a great saving in space and in the cost of the shipping container as well as in shipping charges.

It will now be clear that I have provided a lamp shade unit which will accomplish the objects of the invention as hereinbefore stated. It is of course to be understood that various changes may be made in the details of construction and arrangement of parts without departing from the spirit of my invention and that the embodiment of the invention herein disclosed is merely illustrative and is not to be considered in a limiting sense as the invention is limited only in accordance with the scope of the appended claims.

Having thus described my invention, what I claim is:

1. A lamp shade unit comprising a plurality of shade sections formed of paper parchment or the like and adapted to be supported one from the other in superposed relation, each shade section having reinforcing wires disposed adjacent the opposite edges thereof, a plurality of shade supports disposed adjacent the lower edge of each shade section and rigidly secured to such reinforcing wire and offset inwardly therefrom, such shade supports being so disposed and arranged as to permit a plurality of such shade sections to be nested within each other in concentric relation.

2. The combination with an electric ceiling outlet, of a lamp shade unit consisting of a plurality of shade sections formed of paper parchment or the like and supported by said outlet in superposed concentric relation, each shade section having reinforcing wires disposed adjacent the opposite edges thereof, a plurality of shade supports disposed adjacent one edge of each shade section and rigidly secured to such reinforcing wire, means securing said reinforcing wires to the opposite edges of each section, each shade section having a plurality of eyelets disposed adjacent one edge thereof and inwardly of said means.

3. The combination with an electric ceiling outlet, of a lamp shade unit consisting of a plurality of shade sections formed of paper parchment or the like and supported by said outlet in superposed concentric relation, each shade section having reinforcing wires disposed adjacent the opposite edges thereof, a plurality of shade supports disposed adjacent one edge of each shade section and rigidly secured to such reinforcing wire, means securing said reinforcing wires to the opposite edges of each section, each shade section having a plurality of eyelets disposed adjacent one edge thereof and inwardly of said means, and a plurality of flexible members securing the uppermost shade section to said ceiling outlet.

CHAS. F. BOOKMAN, JR.