Sept. 29, 1931. J. OBSTLER 1,825,246

FORM FILLER

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Fig. 1

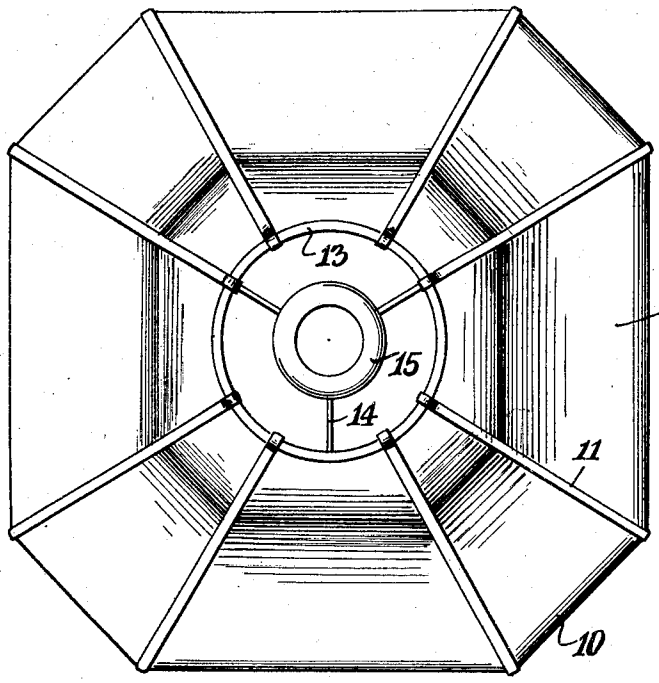


Fig. 2

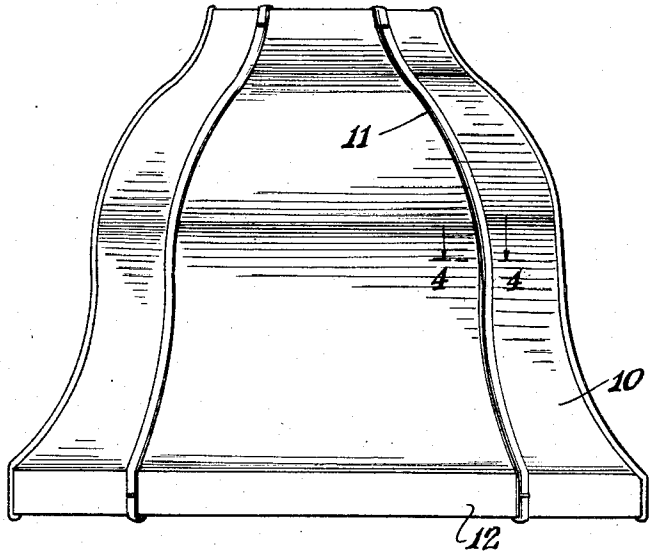


Fig. 4

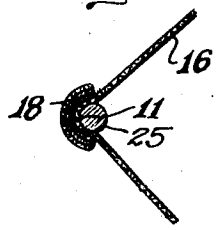


Fig. 3

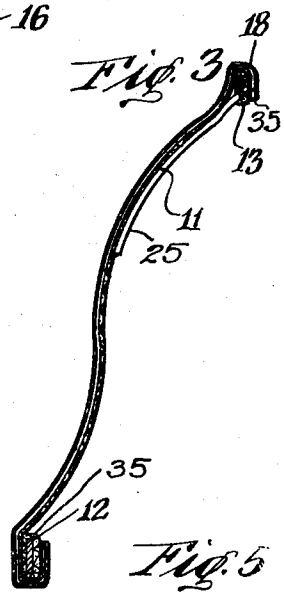
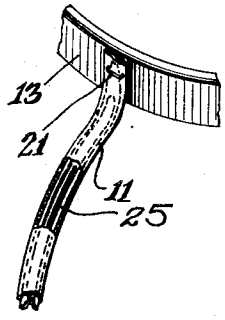


Fig. 5



Jacob Obstler
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Fig. 6

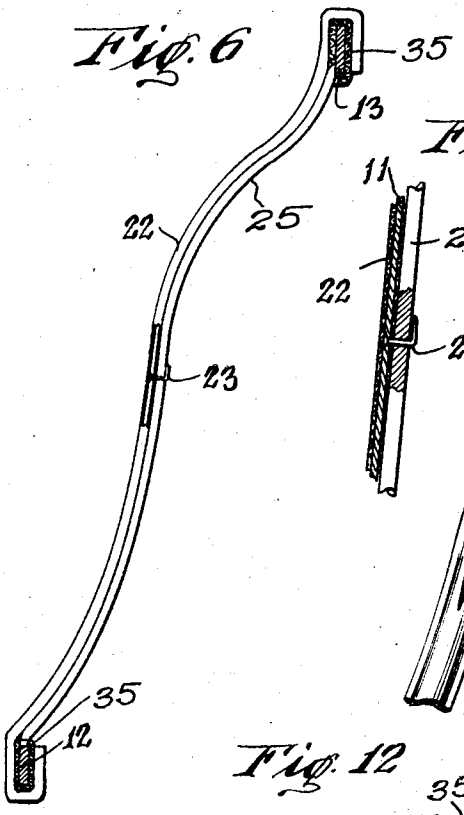


Fig. 7

Fig. 8

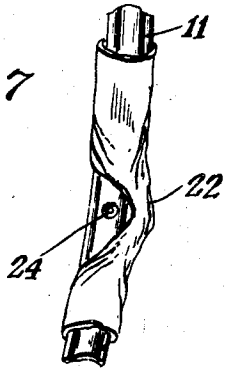
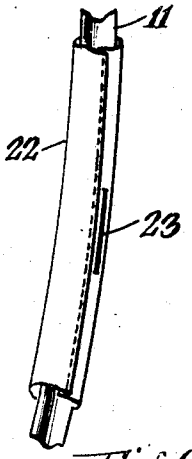


Fig. 9



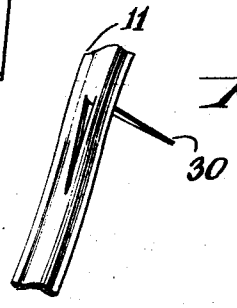


Fig. 10

Fig. 6a

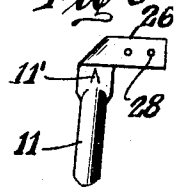


Fig. 12

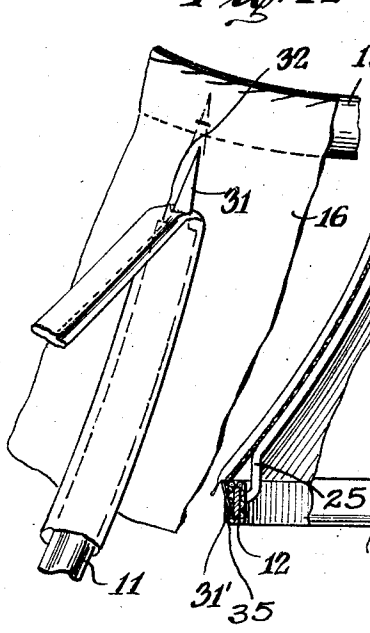
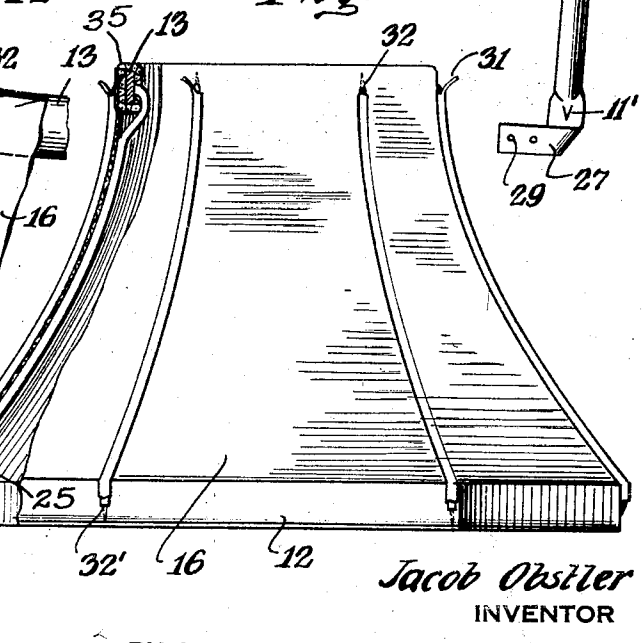


Fig. 11



Jacob Obstler
INVENTOR

BY ATTORNEY

Marvin Adams

Patented Sept. 29, 1931 1,825,246

UNITED STATES PATENT OFFICE

JACOB OBSTLER, OF NEW YORK, N. Y.

FORM FILLER

Application filed October 7, 1930. Serial No. 486,901.

This invention relates to improvements in lamp shades and particularly to form fillers which, when covered with a sleeve of silk or other suitable material, form a new kind of trimming for lamp shades and means for anchoring the upper and lower ends of said form fillers and their cover material.

It is the principal object of my invention to provide form fillers of hard or flexible metal, hard or flexible rubber, pulps or other suitable materials, which can be either stamped by machine, cast, moulded or rolled. The purpose of these form fillers, when covered with tubes of material, is to form a new kind of trimming for silk or other lamp shades.

Another object of my invention is the provision of a lamp shade with means for securely covering fillers and their holding elements of simple and inexpensive construction, yet durable and efficient in operation.

Another object of my invention is the provision of lamp shades, the fillers of which are covered by silk or other suitable material, self-guided over the outer surface of said shades.

Still another object of my invention is the provision of a means for securely attaching the form fillers with their covering material to the ribs and upper and lower rings of the shade by simple, yet efficient means.

Yet another object of my invention is the provision of a lamp shade equipped with suitable means for securely anchoring the material covering the fillers and the fillers themselves in the middle parts of the ribs of the shade.

A still further object of my invention is the provision of prongs and shoulder stops on both ends of the form fillers, engaging the material covered top and bottom portions of a lamp shade as a means of anchoring the same into position.

Still another object of my invention is the provision of form fillers having beveled ends, and staples surrounding said beveled ends for anchoring said fillers and their cover material to the body of the shade.

Yet a further object of my invention is the provision of form fillers having flattened ends, said flattened ends adapted to be bent over the top and bottom portion of the shade, securely anchoring said fillers to said shade in a very simple, yet thoroughly efficient manner.

Another object of my invention is the provision of prongs and stabilizers on both ends of the form fillers for providing another method of anchoring the fillers.

These and other objects and advantages of my invention will become more fully known as the description thereof proceeds, and will then be specifically defined in the appended claims.

In the accompanying drawings, forming a material part of this disclosure:

Fig. 1 is a top plan view of a lamp shade constructed according to my invention.

Fig. 2 is a front elevation thereof.

Fig. 3 is a sectional detail view illustrating the construction of one of the adjustable form fillers for the lamp shade as it appears clamped at the upper and lower bands over a rib of the shade.

Fig. 4 is a sectional detail view, the section being taken on line 4—4 of Fig. 2.

Fig. 5 is a fragmentary detail view partly in section illustrating a modified form of filler fastening.

Fig. 6 is a sectional detail view of a filler, illustrating in a modified form means for fastening filler to the middle of a longitudinal or other rib of a lamp shade.

Fig. 6ª is another modification of filler and fastenings with upper and lower prong and stabilizers fastened to upper and lower bands of shade.

Fig. 7 is an enlarged detail view, partly in section, of the middle section of filler, showing a modification of filler Fig. 6.

Figs. 8 and 9 illustrate the manner of fastening the filler and its covering to a rib of lamp shade Figure 6.

Fig. 10 illustrates a further modification of fastening the filler and its cover to the middle portion of a rib of a lamp shade.

Fig. 11 is a still further modification of the fastening means for a filler and its cover to a lamp shade, part of the outer mantle being broken away to clearly illustrate the interior construction.

Fig. 12 is a fragmentary detail view of the fastening, Fig. 11.

As illustrated in Figures 1 to 4, a lamp shade 10 of any suitable material and shape has its longitudinal or other fillers 11 secured at their lower ends to the rim 12 and at their upper ends to the usual ring shaped member 13 attached by means of braces 14 to the head 15. The material 16 of the shade is held in the usual manner.

According to my invention, the metal or other fillers 11 covered by material tubings 18 such as silk or the like, make a trimming which is to be used to cover the longitudinal or other ribs of a lamp shade. The ends of said fillers and their covering material are guided and secured to the upper ring 13 and the lower marginal flange 12 of the shade.

Fig. 5 shows a modified form of attaching the upper and lower ends of the filler 11 and their covering material by means of staples 21 clamping the shortened and beveled upper and lower ends of the fillers and their covering materials to said rings 12 and 13 respectively.

In Figures 6, 7, 8, and 9 the filler 11 and its cover 22 is attached to the rib 25 of the lamp shade frame in approximately the middle part thereof by means of metal pins 23 adapted to be entered at one end through openings 24, while its other end is bent to lie flat against the rib 25 under its cloth cover 16 of shade frame.

Figure 6ª illustrates another modified means of attaching the half round attachable form filler 11, the upper and lower ends of which are flattened as at 26, 27 and provided with openings 28, 29 for passage of the means for fastening these ends to the upper ring 13 and the lower margin 12. An additional way of anchoring fillers 11 is by means of prongs 11′ which engage material 16 and 35 respectively.

Figure 10 illustrates a filler 11 out of the material of which a prong 30 is stamped, adapted to engage in the same manner as in Figure 6.

Figures 11 and 12 show a concave shaped lamp shade in which fillers 11 are provided at both ends with prongs 31, 31′ engaging material 16 and 35, and shoulders 32, 32′ forming a stop for said fillers 11 to retain their tension.

The operation and use of my device will be fully understood from the above description thereof and simultaneous inspection of the drawings, and it will be evident that I have invented form fillers for lamp shades. These fillers are adapted to cover the ribs of said lamp shades, and, when attached with their coverings, give a shade of this type an appearance far superior to those now manufactured.

It is evident that the form fillers can be made in various channel shapes to partly surround the ribs of the lamp shade, thereby preventing side movement of the fillers. In order to obtain a longitudinal tensioning effect of the fillers when attached to the ribs of a shade, the fillers are bent to a deeper curve than the curve of the body of the shade. In this manner the channel fillers will be caused to seat themselves with their covering material snugly against the body of the lamp shade. To keep the tension of the fillers in a longitudinal or other direction, the top and bottom ends of the same are securely anchored to the body of the shade by either bending or clamping the ends over the top and bottom of the shade, or by engaging prongs in the material of the shade, or by anchoring the fillers and their covering material in their middle section to the middle section of the ribs of the shade by means of a pin or prong entered through the center thereof.

It will be understood that I have described and shown the preferred form of my invention only, and that I may make such changes in the general construction thereof, as come within the scope of the appended claims without departure from the spirit of my invention.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A lamp shade comprising a plurality of form fillers, marginal elements to which the ends of said fillers are secured, tubular coverings for said fillers, and means for holding said coverings in place.

2. A lamp shade comprising a plurality of form fillers, a tubular covering for each of said form fillers forming a trimming for the shade material, and means for anchoring said fillers and coverings to said lamp shade.

3. A lamp shade comprising a shade frame, a cover for same, an upper and a lower flange on said shade frame, a plurality of form fillers, a tubular covering for each of said fillers, the ends of said fillers guided about said upper and lower flange, and means for attaching said filler ends and their covering material to said upper and lower flange.

4. A lamp shade comprising a shade frame, a cover for same, an upper and a lower flange on said shade frame, a plurality of form fillers each having a tubular covering, said fillers having their ends beveled and shortened, and staples for clamping said beveled and shortened ends of said fillers and their coverings to the upper and lower marginal flange of said shade frame.

5. A lamp shade comprising a frame, a cover therefor, an upper and a lower flange on said frame, said frame having a plurality of ribs perforated near their center, a plurality of perforated form fillers, said fillers having flattened ends, a plurality of

pins provided with heads at one end, tubular coverings for said fillers having openings near their seams, said form fillers and their coverings adapted to be attached to said shade frame, by passing said pins through said perforations in said fillers and perforations in said ribs, the projecting parts of said pins bent flat against said ribs, and the flattened ends of said fillers bent about said upper and lower flanges.

6. A lamp shade comprising a shade frame and its cover material, said frame having a plurality of ribs and an upper and lower flange, a plurality of form fillers having their ends flattened, openings in said ends, a tubular material cover for each of said fillers, said fillers and their covers guided over the shade frame at points where ribs are under said shade cover, and fastening means passed through said openings in the flattened ends of said fillers to secure the same to said upper and lower flange of said shade frame.

7. A lamp shade comprising a shade frame, a cover for same, said frame having a plurality of ribs, a plurality of form fillers, each of said fillers having an integral prong stamped out of its body, a tubular material cover for each of said fillers, said fillers having openings near their seams to allow the prongs to pass therethrough and through the cover of said shade frame, said prongs adapted to be bent to lie flat against the ribs of the shade frame for anchoring said fillers to said frame.

8. A form filler for lamp shades comprising a formed body, a material cover for same, said body having flattened ends adapted to be bent over the upper and lower rings of a lamp shade frame for securely anchoring said filler and its cover to said lamp shade frame.

In witness whereof I have signed my name to this specification.

JACOB OBSTLER.