April 13, 1943. H. DENT 2,316,568

MANUFACTURE OF LAMP SHADES

Filed March 28, 1941

Fig. 1

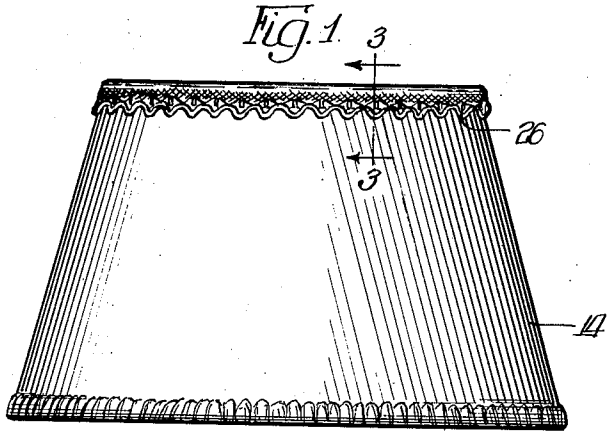


Fig. 2

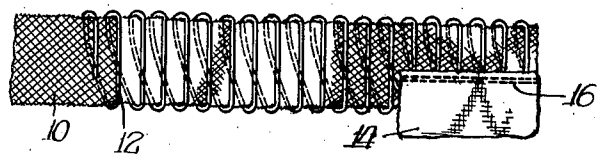


Fig. 3

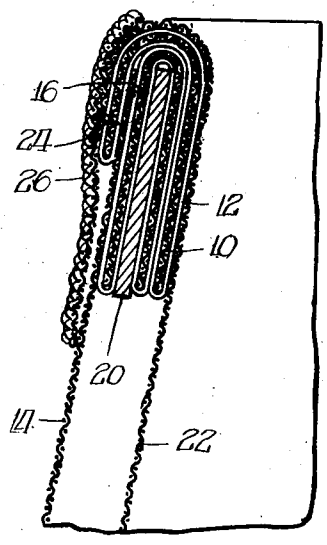
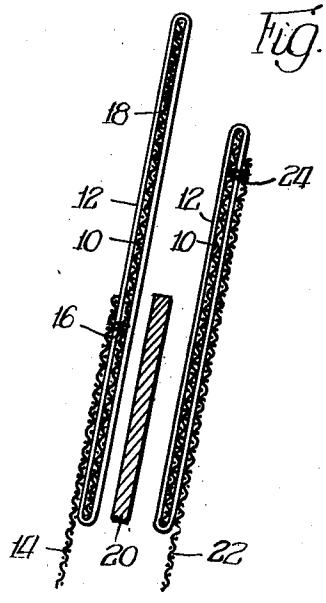


Fig. 4



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Patented Apr. 13, 1943 2,316,568

UNITED STATES PATENT OFFICE

2,316,568

MANUFACTURE OF LAMP SHADES

Herbert Dent, Chicago, Ill.

Application March 28, 1941, Serial No. 385,587

4 Claims. (Cl. 240—108)

The present invention relates to an improvement in lamp shades and more particularly in the construction and attachment of the cover and liner to the framework and a novel means of atttaching the same to the frame.

In the manufacture of lamp shades it has been customary heretofore to sew the shade cover and liner directly to the wire or strap framework of the shade, requiring skilled workmanship and handwork. In my Patent No. 2,224,340, granted December 10, 1940, I set forth a method of manufacturing lamp shades made more particularly from plaited material that gives excellent uniform results without requiring the services of specially skilled labor. The present invention is applicable to either plaited or plain lamp shade coverings and linings and increases the speed and efficiency with which the lamp shades may be manufactured.

One object of the present invention is to provide a silk lamp shade of improved and simplified construction and a material specially adaptable therefor.

Another object of the invention is to provide an improved method of manufacturing a lamp shade.

A further object is to provide an inexpensive lamp shade structure that is easily and quickly assembled without specially skilled labor and with uniform and excellent results.

Other and further objects and advantages of the invention will be apparent to those skilled in the art upon an understanding of the embodiment as set forth in the accompanying drawing and specification.

In the drawing:

Fig. 1 is a view in side elevation of a completed lamp shade embodying the invention;

Fig. 2 is a view of a novel material specially adaptable for use in the invention and showing a portion of a shade covering sewed thereto;

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 1; and

Fig. 4 is a corresponding section showing the covering and lining before being secured to a band of the frame.

The present invention contemplates the use of a reinforced cloth or tape material that may be resiliently cut or woven and that is bendable into a relatively fixed position over or around a framework. One or both edges of a shade covering is then sewed or otherwise attached to the tape intermediate its side edges and the free edge of the tape is bent over and secured to the frame member. The same structure or method may be used for the lining material and an ornamental strip of material may be attached around the frame to make a neat and pleasing appearance.

With reference to the embodiment shown in the drawing, the reinforced tape material may include a strip of cloth 10 preferably cut on the bias to give it a stretchable resilient quality. It is shown as reinforced by a bendable wire support 12. As disclosed this support or reinforcement consists of a wire continuously looped about a predetermined width of cloth material throughout its length as is indicated in Fig. 2. Of course, this might be a wire netting, screening or other wire reinforcing means suitably attached to the material 10.

One edge of a covering material 14 is attached to the reinforced material intermediate the width of the latter as at 16, to leave a projecting portion 18 of the reinforced tape, as shown in Figs. 2 and 4. The other edge of the covering material may be similarly treated. The projecting portion 18 is then bent backwardly and downwardly over a frame member 20 into a substantially permanent hooked position thereover to hold the cover 14 to the frame member 20. No further securing means is necessary.

As will be noted with reference to Figs. 3 and 4, a lining material 22 may also be secured at one edge to an intermediate portion of the reinforced tape as at 24 and the joined material bent outwardly over the inwardly bent portion 18 of the cover assembly as indicated in Fig. 3. For the purpose of giving a pleasing appearance and to conceal any rough edges, an ornamental strip or band 26 is then secured to the bent over portion of the liner or to the cover 14 or both.

Both the cover 14 and the liner are readily attached to the reinforced material by sewing. Various changes and modifications will be apparent to those skilled in the art upon an understanding of this embodiment of the invention which has been set forth herein for purposes of exemplification. All such changes and modifications coming within the scope of the invention are intended to be included within the scope of the appended claims.

I claim:

1. A method of making a lamp shade of the type having a framework and a cover, which comprises the following steps: attaching one edge of a covering material to a marginal member of the framework, attaching a wire reinforcement to a strip of soft pliant material to rigidify the same, attaching the other edge of the covering material to the rigidified strip at points between

the wire reinforcement, and bending the rigidified strip about another marginal member of the framework of the lamp shade into a substantially permanently hooked position.

2. A method of making a lamp shade of the type having a framework and a cover, which comprises the following steps: attaching one edge of a covering material to a marginal member of the framework, attaching a tortuously looped wire support to a stretchable strip of sewable material whereby to reinforce the strip to stiffen it laterally without interfering with its being stretched, sewing the other edge of the covering material to the reinforced strip, and securing the reinforced strip with the covering material sewed thereto to the framework by bending a portion of the reinforced strip about another marginal member of the framework into a hooked position.

3. In a lamp shade of the type having an openwork frame provided with two circumferentially extending rim members, and a covering attached at its opposite edges to said rim members; attaching means for one of the edges of the covering comprising a strip of pliant material carrying a rigidifying reinforcement of stiff but readily deformable material, said strip being fastened directly to the covering along one edge of the latter and folded longitudinally intermediate its side edges and positioned about the adjacent rim member of the frame, said stiffening reinforcement carried by the strip being similarly folded and permanently creased into a hooked position about the said rim member whereby to prevent the strip from unfolding.

4. In a lamp shade of the type having an openwork frame provided with two circumferentially extending rim members, and a covering attached at its opposite edges to said rim members; attaching means for one of the edges of the covering comprising a stretchable strip of pliant cloth material carrying a stretchable tortuously outspread rigidifying reinforcement of stiff but readily deformable fine gauge wire, said cloth strip being sewed directly to the covering along one edge of the latter and folded longitudinally intermediate its side edges and positioned about the adjacent rim member of the frame, said stiffening reinforcement carried by the strip being similarly folded and permanently creased into a hooked position about the said rim member whereby to prevent the cloth strip from unfolding.

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