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D. REYAM

1,514,729

LAMP SHADE

Filed July 25, 1922

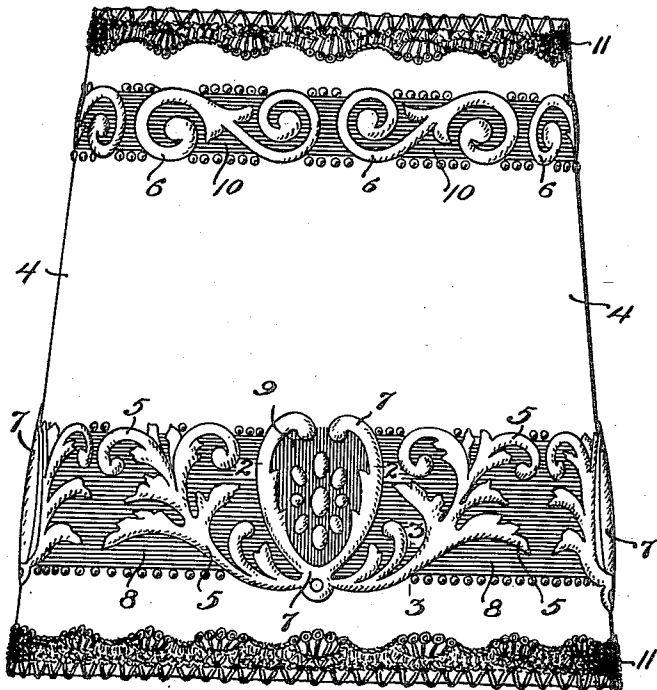


Fig. 1.

Fig. 3.

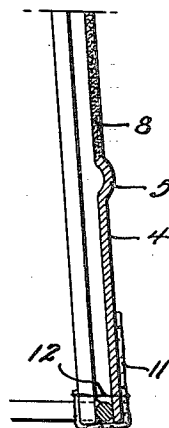


Fig. 2.



Witnesses,
Eleanor J. Magee
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Inventor,
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by Augustus B. Cooper
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UNITED STATES PATENT OFFICE.

DAVID REYAM, OF HOLLYOAK, DELAWARE.

LAMP SHADE.

Application filed July 25, 1922. Serial No. 577,380.

To all whom it may concern:

Be it known that I, DAVID REYAM, a citizen of the United States, residing in Hollyoak, Delaware, have invented certain improvements in Lamp Shades, of which the following is a specification.

One object of my invention is to provide a lamp shade which will present a novel, pleasing and ornamental appearance both when illuminated and also when not illuminated.

Another object is to so construct my improved lamp shade that it can be easily and quickly manufactured and will be of a durable construction.

These objects and other advantageous ends which will be described hereinafter, I attain in the following manner, reference being had to the accompanying drawing in which—

Figure 1 is an elevational view of a lamp shade made in accordance with my invention,

Figure 2 is a fragmentary sectional view taken on the line 2—2 of Figure 1 and drawn on an enlarged scale, and

Figure 3 is a fragmentary sectional view taken on the line 3—3 of Figure 1 and drawn on an enlarged scale.

In carrying out my invention, by utilizing sheet material in the form of parchment, parchmentized paper, silk or other fabric and pressing or otherwise forming an embossment of said material, various designs can be produced to present a novel effect pleasing to the eye. Also the embossment effects a strengthening of the sheet material so as to cause the shade to retain its original shape and render it strong and durable. Furthermore this embossment allows sheet material of the thinness to be used which could not otherwise be used practically in the manufacture of such lamp shades.

By effecting a coloring of the material adjacent to or immediately surrounding the embossment by using chemicals, other than pigments, a coloring effect can be produced which gives a richer appearance than if the surface of the material were merely coated by a paint or pigment since by using chemicals which penetrate the material I have found that the colored portions are actually integral with and penetrate the material. Further than this, additional ornamentation

can be produced by gilding, silvering or otherwise coating the projecting parts of the embossment.

Furthermore by coloring the various parts of the shade with a chemical which penetrates the material the result is far superior to the mere coloring of a portion of the shade with paint or other coating material since in the latter process the paint or coating material is apt to crack and also to peel, scale or drop off leaving the shade in an unsightly condition.

Referring to the drawing, by improved shade is made up of sheet material 4 such for example as "parchmentized" paper or in other words, paper oiled or otherwise processed to have the appearance of parchment. In carrying out my present invention I operate on said sheet material, preferably by pressing certain parts of the same, to produce an embossment in the form of a design or ornamental motif such for example as the embossed scrolls 5 and 6 and the medallions 7. I preferably extend this embossment in the direction of the length of the sheet and then bend the sheet in the desired general shape of the shade and paste or otherwise secure the ends of the sheet together; thus causing the embossment to extend circumferentially of the shade.

Various parts of the shade are preferably colored, such for example as the parts 8, 9 and 10 between the embossed scrolls and medallions as shown by the horizontal and vertical lining in the drawing.

Owing to the character of the material 4 it is impractical to merely apply paint or coating coloring material since such pigment coloring material soon cracks, scales and drops off as above set forth. I have found after numerous experiments that aniline, sulphur, or other dyes can be used for this purpose, using alcohol as a solvent and carrier, and when thus colored the coloring forms an integral part of the shade material 4, is permanent and penetrates the entire thickness thereof. If desired the embossed parts can also be colored, silvered or gilded thus producing a durable shade of novel ornamental appearance.

I have found in the actual manufacture of such shades that the production of the embossment greatly adds to the strength of the completed shade and in fact I am en-

abled to use sheet material of such thinness that without the embossment the sheet material could not be used practically in the production of lamp shades since it would
 5 be so flimsy that it would not be durable nor retain its proper shape.

Any suitable frame can be used within the shade, allowing the shade to be supported on a lamp, bulb, or candle stick, and braid
 10 11 or other ornamental edging can be secured at the top and bottom of the shade. The frame can be secured by stitching 12 to the shade as shown in Figure 3.

While I have described my invention as
 15 taking a particular form, it will be understood that the various parts of my invention may be changed without departing from the spirit thereof, and hence I do not limit myself to the precise construction set
 20 forth, but consider that I am at liberty to make such changes and alterations as fairly come within the scope of the appended claims.

Having thus described my invention, what

I claim as new and desire to secure by Letters Patent is:—

1. In a lamp shade, a body of translucent sheet material having integrally embossed portions, said embossed portions including parts extending in the direction of their
 30 lengths circumferentially of the body to produce an ornamental design motif and to strengthen the body against flexing, whereby said sheet material can be made
 35 exceptionally thin and still retain its intended shape without reinforcement by any additional sheet material.

2. A lamp shade of parchmentized paper having embossments and colored portions adjacent said embossments, said colored portions penetrating the paper.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

DAVID REYAM.

Witnesses:

ELEANOR J. MAGEE,
 AUGUSTUS B. COPPES.