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ILLUMINATED ORNAMENTAL OBJECT

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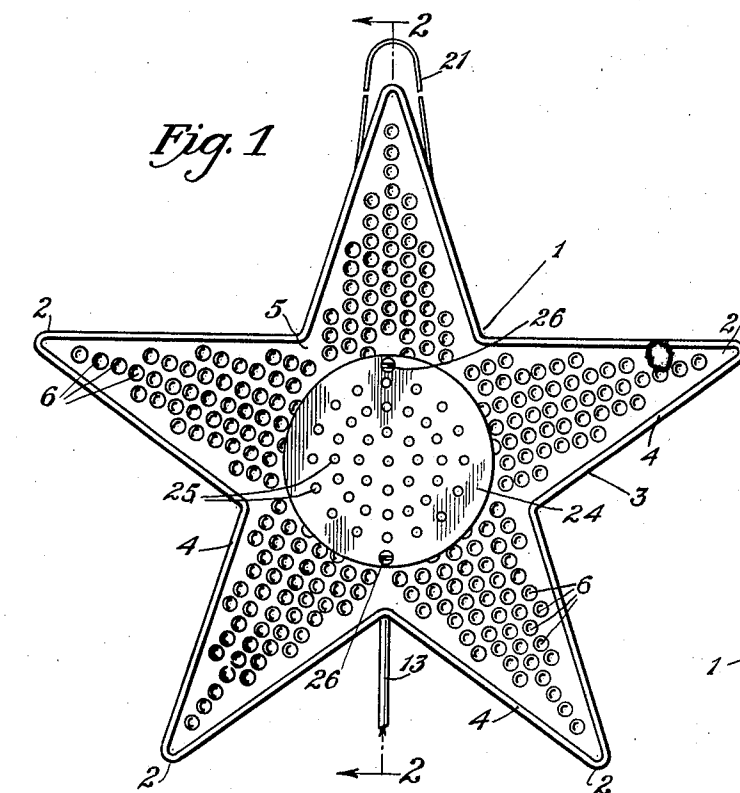


Fig. 1

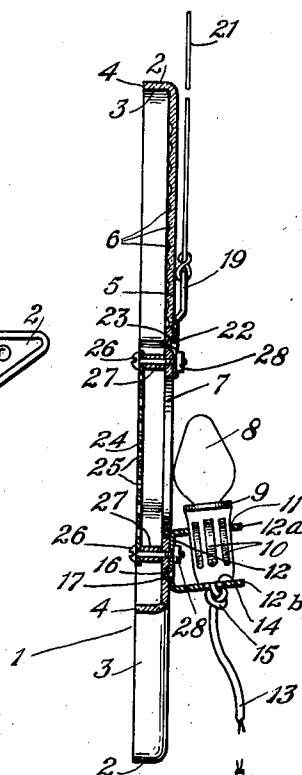


Fig. 2

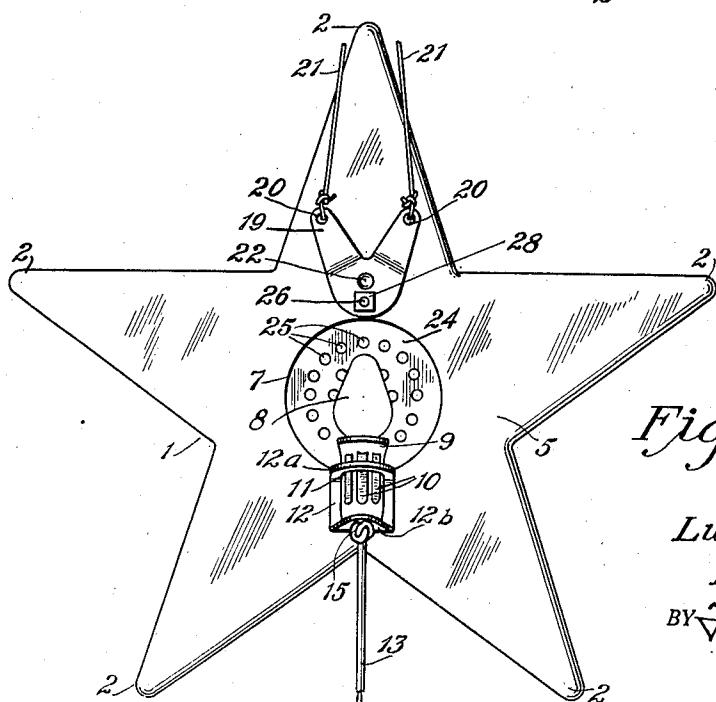


Fig. 3

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ILLUMINATED ORNAMENTAL OBJECT

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1 Claim. (Cl. 240—10)

The invention relates to objects formed of transparent plastic material capable of transmitting and reflecting light, for ornamental or display purposes, and more particularly to an article of this character which may be of appropriate shape such as a star, especially adapted for window displays during the Christmas season.

The object of the invention is to provide an illuminated ornamental object formed of a transparent plastic material capable of transmitting and reflecting light and having a glass like appearance.

Another object is to provide an object of this character having an outwardly directed flanged outline with the edge thereof in a vertical plane parallel to the normal plane of the article, a light being located within a central opening in the back wall of the article so that the light rays therefrom are transmitted through the transparent plastic material to all points of the article and directed forwardly from the marginal edge thereof.

A further object is to provide such an article with surface ornamentations molded or otherwise formed therein so that the light may be transmitted and reflected therefrom.

A still further object is the provision of an ornamental object of the character referred to in which a perforated disk of metal or other opaque material is mounted in spaced relation in front of the central opening so as to hide the opening as well as the colored light bulb mounted in the opening.

Another object of the invention is to provide an illuminated ornamental star formed from a single sheet of transparent plastic material having an integral forwardly directed marginal flange and provided over substantially its entire surface with recessed ornamentations, a central opening being formed in the plastic star and a colored light bulb being located in said opening so that the colored light therefrom is transmitted throughout the entire area of the plastic star and directed forwardly through the edge of the marginal flange and reflected from the surface ornamentations.

The above objects together with others which will be apparent from the drawing and following description or which may be later referred to, may be attained by constructing the improved illuminated ornamental object in the manner illustrated in the accompanying drawing in which:

Figure 1 is a front elevation of an illuminated

ornamental star formed in accordance with the invention;

Fig. 2, a vertical sectional view through the star shown in Fig. 1 taken substantially on the line 2—2, Fig. 1; and

Fig. 3, a rear elevation of the star shown in Figs. 1 and 2.

Similar numerals refer to similar parts throughout the several views.

The illuminated ornamental object to which the invention pertains may be formed from a single sheet of plastic material capable of transmitting light in all directions through the material and reflecting light therefrom, and may be molded or otherwise formed into any desired ornamental shape having a forwardly directed marginal flange and a central opening to accommodate a colored light bulb.

For the purpose of illustration, the invention is disclosed herein as applied to an illuminated ornamental star indicated generally at 1 and provided with five uniformly spaced points. 2.

This star is formed from a single sheet of a transparent plastic material having the properties of transmitting light throughout its entire area and in all directions regardless of the conformation of the material. One such plastic material is produced by the Du Pont Company and is known to the trade as Lucite.

A continuous marginal flange 3 is formed entirely around the edge of the star being forwardly directed at right-angles to the normal plane of the article, the forward edge 4 thereof being located in a plane parallel to the normal plane of the back wall 5 of the article.

Surface ornamentations in the form of recesses 6, of any desired shape, may be molded or otherwise formed over substantially the entire front surface of the flat wall 5.

A central opening 7, preferably circular as shown in the drawing, is formed in the flat wall 5 and a colored lamp bulb 8, mounted upon the back of the object, is located at this opening so that the colored light rays therefrom will pass through the edge of the opening 7 and be transmitted throughout the entire area of the plastic star, illuminating all of the points thereof, and due to the peculiar characteristics of this plastic material by which light may be transmitted through any bend or angle therein, the colored light is transmitted through the marginal flange 3 and directed forwardly from the edge 4 thereof outlining the star in colored light.

The colored light is also reflected from all of

the surface ornamentations 6 so as to give a very attractive and pleasing appearance.

The colored lamp bulb 8 may be mounted in the lamp socket 9 formed of any suitable insulation material preferably having flat panels 10 thereon and fitting in a similarly shaped aperture 11 in the upper ear 12_a of the lamp bracket 12 and resting upon the lower ear 12_b thereof.

The cord 13 from the lamp socket passes through the aperture 14 in the lower ear 12_b and is preferably provided with a knot 15 tied tightly against the under surface of the ear 12_b to prevent upward movement of the socket 9, while the flat panels 10 prevent turning movement thereof.

The bracket 12 may be prevented from turning movement relative to the star by providing a dimple 16 thereon arranged to be seated in recess 17 upon the rear surface of the wall 5 of the star.

The usual attachment plug 18 may be located upon the end of the cord 13 for attaching the same to any standard base receptacle.

A forked bracket 19 may be connected to the rear side of the star above the central opening 7, and provided with apertures 20 for attaching a cord, wire, or the like as indicated at 21 which may be used for hanging the star in a window or upon a tree or other support. A dimple 22 may be formed upon the forked bracket 19 for engaging a recess 23 in the wall 5 to prevent turning movement of the bracket.

A disk 24, somewhat larger than the central opening 7, and formed of metal or other opaque material provided with perforations 25 is mounted in spaced relation in front of the wall 5 so as to cover the opening 7 and colored light bulb 8 and is secured to said wall as by the screws 26 located through spacers 27 and through the wall 5 and brackets 12 and 19, nuts 28 being provided upon the rear ends of the screws for assembling the parts.

The light bulb 8 may be of any desired color

and is easily replaced, the opening 7 in addition to allowing light to be transmitted through the edge of the plastic star also providing sufficient space for the fingers and thumb when removing or replacing the light bulb.

The star or other shaped ornament constructed as above described has the appearance of clear transparent glass and when the bulb 8 is lighted the colored light is transmitted throughout the entire area of the plastic object and through the edge of the marginal flange 3, thus, forming a definite outline of the object when viewed from the front.

The surface ornamentations 6 are also lighted by the colored light, partly by transmission of light through the plastic and partly by reflection of light from the bulb.

The perforated opaque disk 24 while hiding the central opening and light bulb permits the colored light to pass through the perforations.

We claim:

An illuminated ornamental five pointed star formed of a single sheet of transparent plastic material provided with a continuous, forwardly disposed, angular flange around its edge and having a central opening therein, an angular bracket upon the rear side of the star below said central opening, a light bulb socket carried by said bracket, a light bulb in the socket located slightly back of the central opening to permit heat from the light bulb to rise behind the plastic star and to permit easy replacement of the light bulb in the socket, a bracket upon the rear side of the star above said central opening for hanging up the star, bolts located through said brackets and through the star, spacers upon said bolts, a disk upon said bolts spaced forwardly from the central opening by said spacers, there being recesses in the rear face of the star and dimples upon said brackets engaged in said recesses.

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