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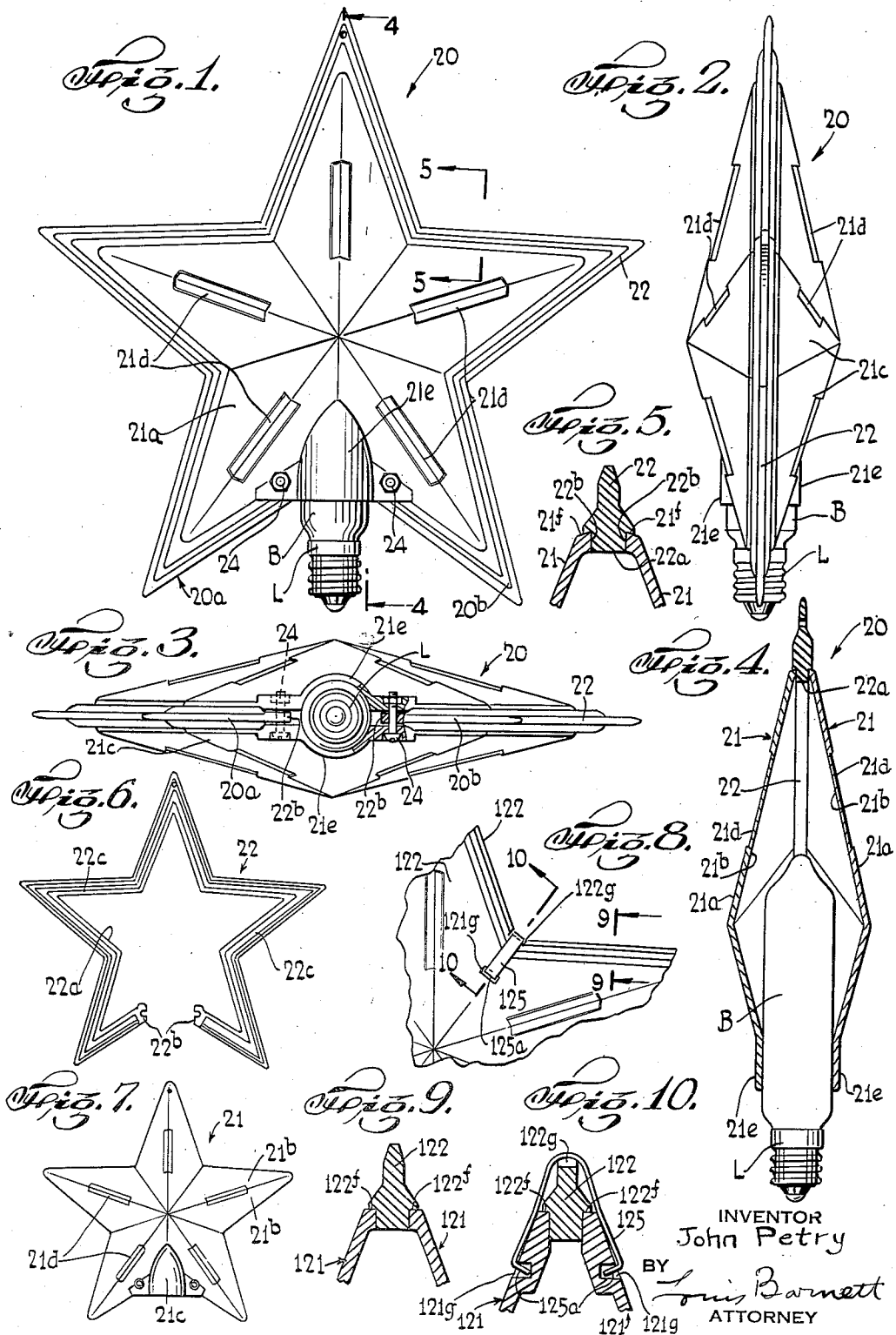
J. PETRY

2,217,877

ELECTRICALLY LIGHTED ORNAMENTAL DECORATIVE DEVICE

Filed April 26, 1940

2 Sheets-Sheet 1



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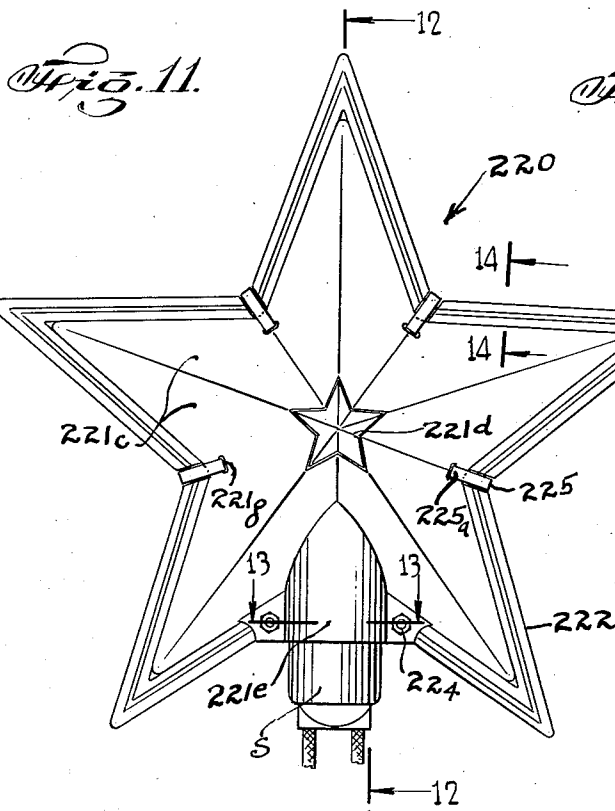
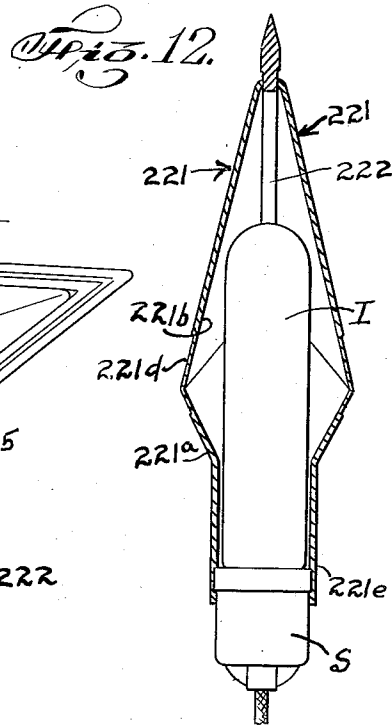
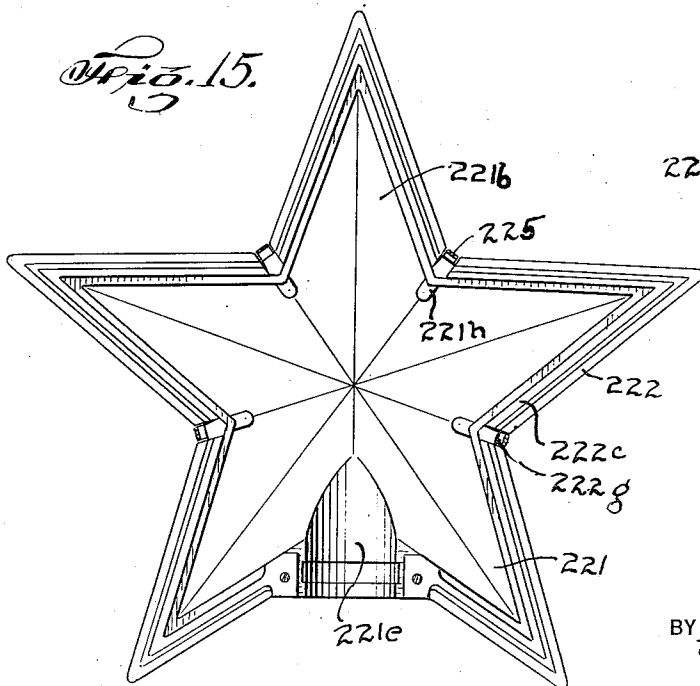
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UNITED STATES PATENT OFFICE

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ELECTRICALLY LIGHTED ORNAMENTAL
DECORATIVE DEVICE

John Petry, Long Island City, N. Y.

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3 Claims. (Cl. 240—10)

This invention relates to electrically lighted ornamental devices and more particularly is directed to decorative devices adapted to form a unit for outfits for Christmas trees, and for use with showroom and window displays, electric lighting sets.

An object of the invention is to generally improve the construction of devices of the character described which shall comprise of few and simple parts that are readily and easily assembled to form a rugged yet neat appearing structure, which shall be cheap to manufacture, which shall provide an attractive and appealing illuminated unit adapted to be applied to conventional incandescent lamps, and which shall be practical and efficient to a high degree in use.

Other objects of this invention will in part be obvious and in part hereinafter pointed out.

The invention accordingly consists in the features of construction, combinations of elements and arrangement of parts which will be exemplified in the constructions hereinafter described and of which the scope of application will be indicated in the following claims.

In the accompanying drawings, in which is shown various possible illustrative embodiments of this invention:

Fig. 1 is a front elevational view of a decorative electrically lighted ornamental device constructed to embody the invention mounted on an incandescent lamp;

Figs. 2 and 3 are side and bottom views, respectively, of the improved device and lamp shown in Fig. 1, a portion of Fig. 3 being broken away to show a detail of the screw fastening;

Fig. 4 is a view similar to Fig. 2 except that portions of the device are shown cut away on lines 4—4 in Fig. 1 to expose the interior construction;

Fig. 5 is a fragmentary cross-sectional view taken on lines 5—5 in Fig. 1 showing in detail the assembled joint construction of the device parts;

Fig. 6 is a front elevational view of the intermediate frame removed from the improved device;

Fig. 7 is a front elevational view of one of the duplicate sides dismounted from the device;

Fig. 8 is a fragmentary view showing a detailed modified construction of the assembly of the device joint parts;

Figs. 9 and 10 are cross-sectional views taken on lines 9—9 and 10—10, respectively, in Fig. 8;

Fig. 11 is a front elevation view of another

modified form of ornamental device embodying the invention;

Figs. 12, 13 and 14 are cross-sectional views taken on lines 12—12, 13—13, and 14—14 in Fig. 11; and

Fig. 15 is an elevational view of the device similar to Fig. 11 showing the front side and socket removed to expose the interior construction.

Referring in detail to the drawings and more particularly to the form shown in Figs. 1 to 8, inclusive, 20 denotes a decorative electrically lighted ornamental device constructed to embody the invention, shown clampingly applied on a bulb portion B of a conventional screw base incandescent lamp L. The latter may be of a type suitable for mounting on and connecting in circuit of Christmas tree outfits, showroom and window displays or lighting sets (not shown) in the well understood manner.

The device 20 is here seen to be star-shaped but it is to be understood that other desired ornamental shapes may be utilized in constructing devices embodying the invention. When the device 20 is star-shaped it may comprise two similar star-shaped sides 21, which are preferably dished so as to present convexed outer surfaces 21a and concaved inner surface 21b, and an intermediate frame 22 having a central opening 22a, both of the same star shape as said sides 21 but larger in sizes so that when said sides 21 are assembled against opposite faces of the frame 22, the latter projects outward beyond said sides 21 to provide a continuous border extending substantially about the perimeter of said sides 21, as shown in Figs. 1 to 5, inclusive.

The sides 21 may be made of any suitable molded or pressed sheet material, preferably having a diffusing translucency to permit light from the incandescent lamp L to show therethrough to a subdued degree. The outer surface 21a of each side 21 may be provided with ornamentations, as for example, faucet elements 21c integrally formed in the dished convexed structure of said side 21.

The star-shaped frame 22 may also be made of a suitable molded or stamped sheet material, preferably clear translucent to light and for artistic effect may be of a contrasting color with respect to that of the sides 21. For example when the sides 20 are colored white, cream or the like pastel shades and are sufficiently dense so as to diffuse the light passing through, for contrast the frame 22 may be made red, amber or other color to harmonize with the selected color of the side 21, said frame 22, however, being transparent to a degree, that is, clear to permit the light to

pass through effected by its color to give a more brilliant illuminating effect than that produced by the light passing through sides 21.

To further enhance the ornamental and decorative appearance of the device 20, particularly when it is lighted by lamp L, the side 21 may be made with a variety of shaped elements impressed into the surface thereof, as for example, as at 21d. Said elements 21d may be provided by producing a difference of thickness in the molded pressed material of the sides 21 so that a greater or less amount of diffusion of light is emitted to give an effective contrasting design, brighter light diffusion taking place through the thinner portions of said material and a more subdued diffusion through the thicker portions thereof.

Located in a suitable position in the structure of the device 20, as for example between two adjoining points 20a and 20b, suitable clamping means are provided for rigidly attaching the device 20 to the lamp bulb B. Said clamping means may comprise mating grip portions 21e formed integrally with sides 21 for clamping the lamp bulb B therebetween. Adjacent said grip portions 21e, suitable fastening means such as spaced screws and nuts 24 extend through said sides 21 for releasably securing said clamping means. The screws and nuts 24 pass through hook engaging ends 22b which terminate the intermediate frame 22 so that when said screws and nuts 24 are tightened in the assembly of the parts of the device 20 as shown in Figs. 1 to 4, a rigid unit is formed with the lamp L. As seen from Fig. 6 said frame 22 may be made continuous except that it has the terminal engaging end 22a separated a distance sufficient to permit the passage of the lamp bulb B in said clamping means.

The frame 22 may also be formed with channels 22c on opposite faces thereof in outline to correspond to the contour of each of the sides 21, the perimeters of said sides 21 being tapered outward as at 21f and said channels 22c being recessed and tapered to form a close fit corresponding to said tapered perimeter 21f so as to interlock therewith. See Fig. 5. When the frame 21 is made of a so-called, "plastic" material, "Celluloid" or the like, said frame 21 has sufficient inherent flexibility to provide a snap-locking action engaging the perimeters of the sides 21 in said tapered recessed channels 22c.

The practical application of the invention will now be apparent. With the parts shown in Figs. 6 and 7 assembled as described above and shown in Figs. 1 to 5, inclusive, an attractive illuminated unit 20 is provided, the screw base portion incandescent lamp L being adapted to be mounted in circuit of a Christmas tree lighting outfit or decorative lighting set connecting to a suitable power source in the well understood manner (not shown). The unit device 20 because of its construction with various color parts makes an attractive ornament and trimming whether illuminated or not, the relative shape and size of the frame 22 and sides 21 and the impressed elements 21d giving said device 20 its artistic appearance. On supply electric power to light the lamp L, the attractive appearance of said device 20 is increased and becomes more effective when installed in dim or dark surroundings.

If for reasons of further simplification of manufacture it is found desirable to secure the sides 21 to the frame 22 by means other than that described above and shown in Figs. 1 to 7, inclusive, a frame 122 may be provided, said

frame 122 being constructed like frame 22 with the exception that the channel recess 122f in said frame 122 is not sloped as is channel recess 22f of frame 22 but merely forms a seat for the side 121 as shown in Figs. 8, 9 and 10. The frame 122 may also be provided with a plurality of notches 122g at each reentrant angular portion thereof (only one being shown in Fig. 8) for receiving the bight of a U-shaped spring member 125. The latter may be provided with inturned ends or teeth 125a which engage in indentation 121g provided in the sides 122 as shown in Figs. 8 and 10.

When devices embodying the invention are constructed like the last described modified form, the parts are assembled in the same manner of those for device 20 described above, but the spring member 125 serves to retain the perimeters of the sides 21 rigidly to the frame 122 in a manner similar to the snap locking action described above for the device 20.

In Figs. 11 to 15, inclusive, another modified construction of the invention is shown and is a preferred form for decorative electrically lighted ornamental devices adapted to be clampingly applied to the socket in which the lamp is mounted rather than to the lamp bulb as shown in Figs. 1 to 4, inclusive, and described above.

Said modified form is seen to comprise device 220 which may be of the same molded construction as either device 20 or 120 and as here shown includes diffusing translucent side 221 which permits light from incandescent bulb I to show there-through to a subdued degree, said side 221 having integrally formed ornamentation faucet elements 221c on the surface 221a of the dished convex structure of said side 221.

The side 221 may also be provided with decorative elements 221d formed in the same manner as described above for elements 21d of device 21 and shown in Figs. 1 to 3, inclusive, and 7.

The frame 222 of the device 220 like frame 22 may be made of clear or colored translucent material to give contrasting lighting effects with respect to the sides 221.

The device 222 may have the assembled parts joined together in the same manner as described above for devices 20 and 120 and in either case is provided with grip portion 221e for clamping the socket S therebetween. Spaced screws and nuts 224 extend through the side 221 for releasably making the clamping action effective as shown in Figs. 11 and 13. Said screws and nuts 224 pass through the terminal ends 22b of the frame 222 for rigidly retaining the device to the socket S. Where it is found desirable to secure the sides 221 to the frame by means other than described for device 20, the frame 222 may be constructed with channels 222c like frame 122 of device 120 and with notches 222g for receiving the bight of U-shaped spring members 225. The ends 225a of said springs engage in indentations 221g of the sides 221. The latter may be provided with bosses 221b on the interior side 221b thereof for reinforcing the material about the indentations 221g.

The device 220 is assembled as shown in Figs. 11 to 15, inclusive, and used in the same manner as described above for device 120.

It will thus be seen that there is provided means whereby the several objects of this invention are achieved and which are well adapted to meet the conditions of practical use.

As various possible embodiments might be made of the above invention, and as various changes

might be made in the embodiments above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limiting sense.

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

1. A device of assembled parts of the character described comprising a flat frame of ornamental shape having a central opening, dished side members of the same ornamental shape as the frame but smaller in size seated in position against opposite faces of said frame with the latter extending beyond the perimeter of said side members to serve as a decorative border, means for retaining said members in said seated position on the opposite faces of the frame, said dished side members having the concaved surfaces thereof facing toward and enclosing said

opening, a clamp portion integrally formed with each side member for mating adapted to grip a light source fitting including an incandescent lamp bulb extending into said opening, and releasable fastening means extending through said side members adjacent the clamp portions thereof for retaining the assembly of said parts as a rigid unit when mounted on said fitting.

2. The device defined in claim 1 in which said mating clamp portion is formed to grip the incandescent light bulb.

3. The device of assembled parts defined in claim 1 in which said retaining means is associated with said frame and perimeter of the side members for positively interlocking said side members in the assembled position against the faces of the frame.

JOHN PETRY.