

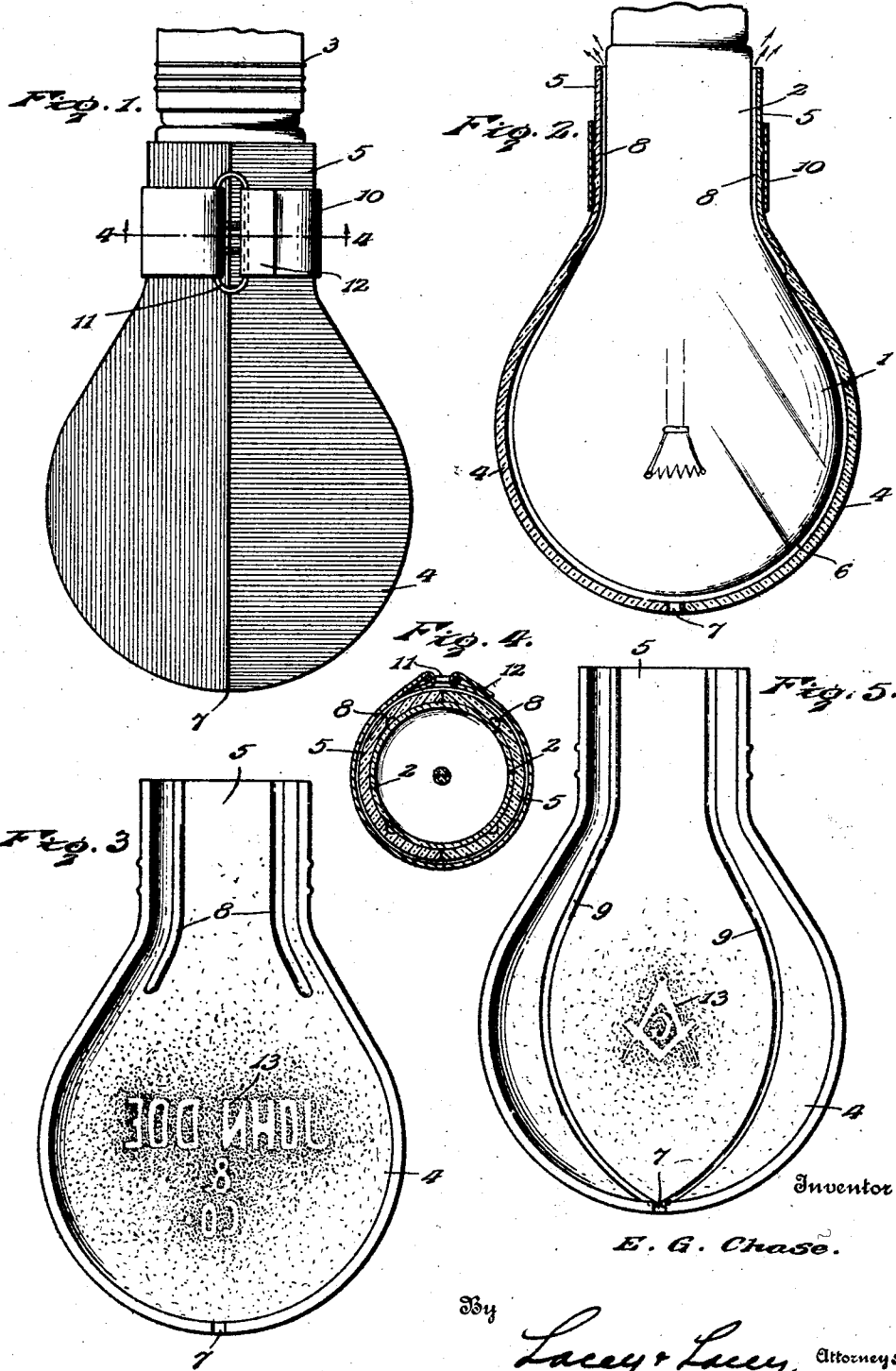
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MASK FOR ELECTRIC LIGHT BULBS

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UNITED STATES PATENT OFFICE.

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MASK FOR ELECTRIC-LIGHT BULBS.

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Standard electric light bulbs are usually clear and transparent and because of the extensive demand may be supplied at a relatively small cost. For decorative and other purposes it is desirable to employ colored lights, but the cost and difficulty incident to the procurement of colored electric light bulbs of standard size precludes the use of such lights.

The present invention provides for the use of the ordinary standard electric light bulb in its usual capacity and also for use as a colored light for decorative or other analogous purposes.

In accordance with the invention a sectional mask is provided to envelop the standard electric light bulb. This mask is translucent and colored and the sections may be of the same or different colors to meet the schematic lighting requirements. The mask may comprise any number of sections and each of the sections consists of a body and a neck portion and conforms to a longitudinal portion of the standard bulb, so that when the sections are assembled they result in a mask having the shape of the bulb which is enclosed thereby.

The invention further provides a mask of the character specified that is lasting, durable, susceptible of repeated use and which may be supplied to the trade at a small cost and which may be easily placed in position without liability to displacement by variations in temperature or climatic conditions.

While the drawings illustrate a preferred embodiment of the invention it is to be understood that in adapting the means to meet specific needs and requirements, the design may be varied and such other changes in the minor details of construction may be resorted to within the scope of the invention as claimed, without departing from the spirit thereof.

For a full understanding of the invention and the merits thereof reference is to be had to the following description and the drawings hereto attached, in which,—

Figure 1 is an elevational view of a standard electric light bulb provided with a mask embodying the invention.

Figure 2 is a view similar to Figure 1, the mask being in section,

Figure 3 is an elevational view of a section of the mask,

Figure 4 is a horizontal sectional view on

the line 4—4 of Figure 1, looking in the direction of the arrows, and

Figure 5 is a view similar to Figure 3 of a modification.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The electric light bulb illustrated is of standard type and comprises a body 1, neck 2 and base 3 and is shown to demonstrate the application of the invention.

The mask, shield, or cover is preferably of a shape to conform to the bulb and may comprise any number of sections which may be of a like or different color. Each of the sections comprising the mask consists of a body portion 4 and a neck portion 5, and corresponds to a longitudinal portion of the electric light bulb. The sections are relatively thin and the meeting edges obtain a close fit and are preferably ground to secure a close joint to prevent any marring of the effect which would result from an ill-fitting joint.

The mask may be constructed of any suitable translucent material, preferably of a vitreous nature, such as glass and the interior of the body portion of the mask is a trifle larger than the exterior diameter of the body portion of the electric light bulb so as to leave a slight space 6 to compensate for contraction and expansion and to provide for a circulation of air which enters by way of an opening 7 at the lower end and escapes by way of passages at the upper end. As shown most clearly in Figure 2, the shoulder of the mask rests upon the shoulder of the electric light bulb and in the form indicated in Figures 2, 3 and 4 passages 8 are provided for the escape of the heated air from the space 6 and these passages terminate a short distance from the shoulder, as indicated most clearly in Figures 2 and 3. In the modification shown in Figure 5, the passages 9 extend from the opening 7 to the upper or outer end of the neck 5. The neck portion of the mask is constructed so as to obtain a snug fit about the neck portion 2 of the electric bulb, hence the necessity for providing the passages 8 and 9 for the escape of the heated air from the space 6 formed between the body portion of the bulb and mask.

For securing the sections of the mask when

assembled, a band 10 of annealed or bendable metal is employed and this band has a link 11 fitted to one end through which the opposite end of the band is inserted and drawn to clamp and secure the sections, after which the end portion of the band passed through the link 11 is folded upon itself, as indicated at 12. The opening 7 may be formed in either one of the sections, or partly in each of the sections, as may be found most advantageous.

To insure a soft light it is preferred to frost the inner side of each of the sections of the mask and this frosting may be effected in any determinate way preferably by a sand blast. The mask is provided with any insignia legend, or design, as indicated at 13 in Figures 3 and 5 and the same may be provided in any usual, or preferred way such as protecting that portion of the mask preliminary to frosting as commonly practiced in the art of glass ornamentation.

Having thus described the invention, I claim:

25 1. A mask for electric light bulbs, of a size to leave a space between the bulb and mask for the circulation of air, and comprising complementary longitudinal sections including body and neck portions, and having inner grooves forming passage ways in the neck portion projecting beyond the shoulder between the body and neck for the escape of heated air from the space formed

between the body portion of the bulb and mask.

2. A mask for electric light bulbs, of a size to leave a space between the bulb and mask for the circulation of air, and having an opening in its lower end for the admission of cool air, said mask comprising complementary longitudinal sections including body and neck portions, and having inner grooves forming passage ways in the neck portion projecting beyond the shoulder between the body and neck for the escape of heated air from the space formed between the body portion of the bulb and mask.

3. A mask for electric light bulbs having a smooth exterior surface and a frosted inner surface and of a size to leave a space between the bulb and mask for the circulation of air and comprising translucent and colored longitudinal sections of vitreous material having a ground joint between the sections, and having an opening in its lower end for the admission of cool air and inner grooves forming passageways in the neck portion projecting beyond the shoulder between the body and neck for the escape of heated air from the space formed between the body portions of the bulb and mask and means applied to the neck of the mask for securing the sections when assembled.

In testimony whereof I affix my signature.

EARL G. CHASE. [L. S.]