

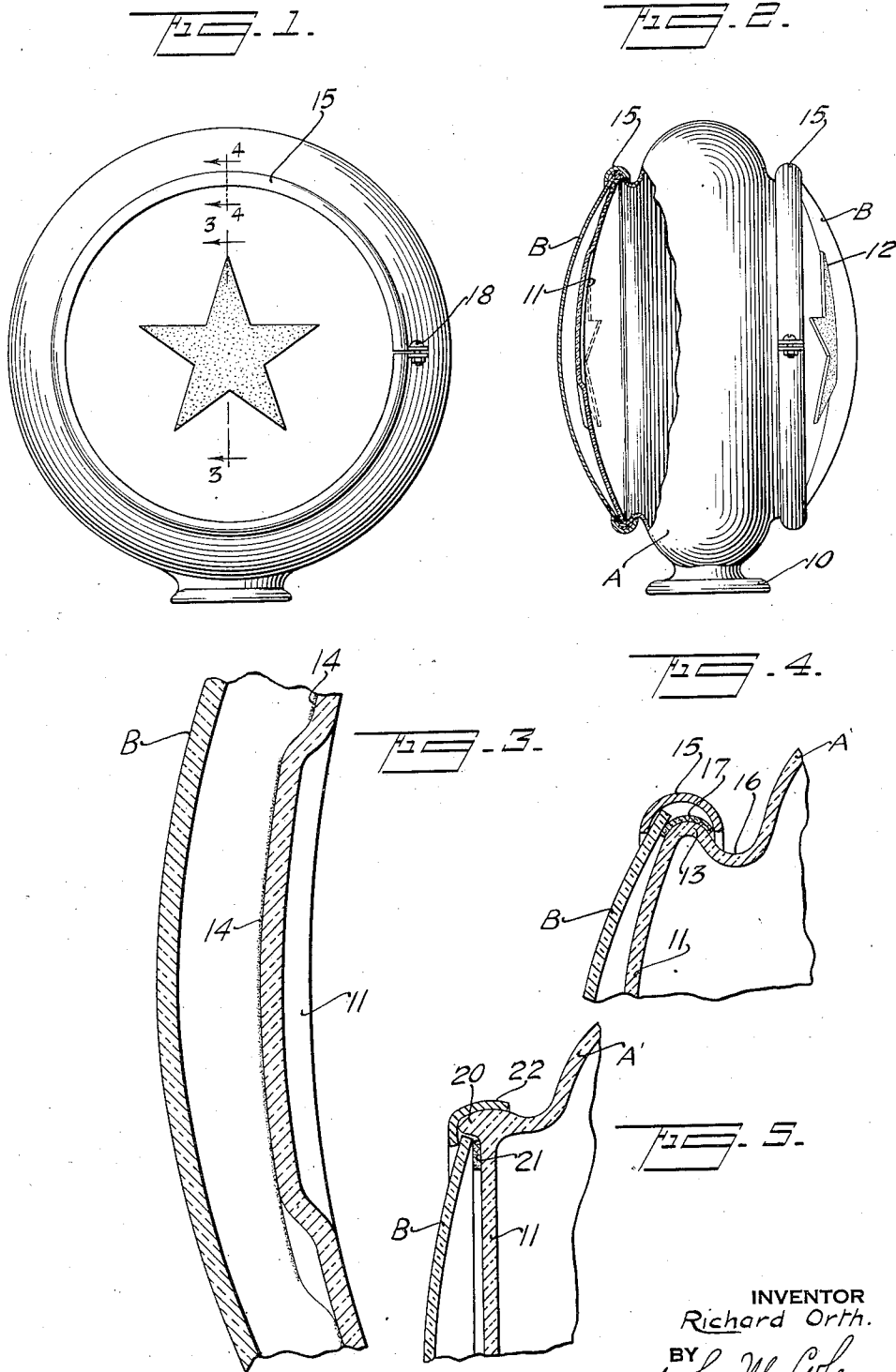
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ADVERTISING SIGN

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ADVERTISING SIGN

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The present invention relates to advertising signs and is more particularly directed toward advertising signs suitable for outdoor use.

Advertising signs for outdoor use are more commonly made in the form of a one-piece blown glass globe adapted to receive a lamp bulb and provided with display characters formed either by firing metallic pigments into the globe body or by impressing characters into the glass during blowing, or by both these methods. Globes made in this manner may be made very attractive and may have high advertising value on account of the brilliancy with which the display characters and advertising material may be brought out, more especially by utilizing colored pigments along with raised lettering or other raised characters available when these characters are blown into the glass. According to the more common design, these globes are of circular cross section in vertical planes and have two opposite vertical faces, either flat or convex, which carry the advertising matter or other display.

Inasmuch as it is necessary to place the pigments on the outside of the globe, the decorative value of the globe is subject to being impaired by weathering of the pigment which is likely to disintegrate, lose its brilliancy, and possibly flake off. While this weathering action takes place slowly, yet it may render the globe unsatisfactory after several years exposure.

To overcome this difficulty, it has been proposed to employ a globe having a transparent window over which is applied a sheet glass cover plate carrying on its inner surface the display characters, so that they would not be exposed to the weather. This plate may be flat or convex, and is most economically formed to the convex shape by heating a flat plate in a suitable dished form. This form of construction affords protection to the display characters, but has the disadvantage that it is limited to such forms of display characters as may be produced by the application of metallic pigments fired into the glass. Proper annealing of this deformed, painted and fired cover glass is difficult and the likelihood of breakage high. When this form of plate is employed one cannot obtain the advantages to be had from raised display characters blown into the globe and associated with the pigments.

The present invention contemplates an outdoor advertising sign of the above nature provided with a cover plate of clear or crystal glass arranged to protect the display characters against weathering and so as to not interfere with the appearance of the sign. Should the cover glass

bearing the display characters be broken, the appearance and utility of the entire sign are unchanged for no display is carried on the cover plate itself.

The accompanying drawing shows, for purposes of illustrating the present invention, two of the many embodiments in which the invention may take form, it being understood that the drawing is illustrative of the invention rather than limiting the same. In the drawing:

Fig. 1 is a front elevational view of an advertising sign;

Fig. 2 is a side elevational view of the same with parts in section;

Fig. 3 is a sectional view on the line 3—3 of Fig. 1 on an enlarged scale;

Fig. 4 is a fragmentary sectional view on the line 4—4 of Fig. 1; and

Fig. 5 is a sectional view similar to Fig. 4, showing a modified form of construction.

The present advertising globe includes a sign body preferably made of a single piece of blown glass and designated generally by the reference character A and one or more cover plates B. The globe body A may be of any of the usual shapes now employed in outdoor advertising globes. It has a comparatively large body adapted to receive the lamp bulb and a neck 10 to be received within the fitter carried on a supporting standard as usual.

In the form of construction shown in Figs. 1-4 the globe body A is provided with two panels 11 and 12 on the opposite faces, these panels extending to a bead 13. Between the beads, the body of the globe is coated to render it non-transparent, as usual. The panel and bead are both preferably of circular shape. Panel 11 may be convex or bulged, as indicated in Figs. 2 and 3, or may be flat, as indicated in Fig. 5.

The molds within which the globe body is formed may be provided with suitable depressions to form display characters such as lettering, figures, or other arbitrary characters. In the drawing a simple five-pointed star is indicated in the form of a raised display character. After the globe has been blown to shape in the usual manner with or without the display characters formed into the glass, it is then subjected to a painting operation by which colored pigments of selected colors and designs are applied to the panel 11. The pigments on the outside of the globe body are indicated by the stippling at 14-14. The painted design may be placed over the entire panel with suitable colors, or a part may be rendered opaque as usual. The globe is

then fired in the usual manner to fix these pigments and annealed. So far, the manufacture of the globe follows the standard process and the globe at this stage of manufacture can be used for the same purposes to which the usual one piece globes are now employed.

The cover plate B is preferably made of a piece of clear crystal glass. The glass is cut to the desired shape and size, placed over a dished mould and heated until it takes the form of the mould, and is then annealed. Its radius of curvature is preferably less than that of the ornamented panel so that when the edges of the glass are brought against the edges of the panel, the middle of the cover glass will stand away from the panel, as indicated in the drawing.

A convenient method of securing the cover glass in position is to utilize a split metal ring 15 of U-shaped cross section and adapted to receive the edge of the cover plate B and enter into the recess 16 formed behind the bead 13 of the globe. If desired a strip of packing material 17 may be interposed between the two pieces of glass. The ring is clamped in place by a small bolt indicated at 18.

In the form of construction illustrated in Fig. 5, the panel 11 is flat and recessed behind a forwardly projecting rim 20 formed in the globe A'. The cover glass B enters this recess and is held against packing material 21 by means of a ring 22 similar to the ring 15.

Signs made according to the present invention afford complete protection to the advertising display carried on the outside of the globe body and this is accomplished without materially affecting the general appearance of the globe. The clear glass plates B are practically invisible and the metal ring 15 or 22 appears merely as part of the ornamentation of the globe. Should one of the outer plates be broken, the advertising value of the display is not diminished in any way. Furthermore this cover glass is comparatively cheap and may be readily replaced by anyone without likelihood of breakage. By providing the cover plate of clear crystal glass, it is possible to have all the advertising display characters carried by, and form a part of, the inner globe body so that the advantages inherent in such globe bodies may be retained and at the same time the life of such globes be extended beyond what it would be were the pigments exposed to weather. It is also possible to employ the ring for securing a cover plate to a globe body having the circular bead, irrespective of whether or not there is a panel or wall inside said bead.

It is obvious that the invention may be embodied in many forms and constructions and I wish it to be understood that the particular forms shown are but two of the many forms. Various

modifications and changes being possible, I do not otherwise limit myself in any way with respect thereto.

What is claimed is:

1. In an advertising sign, a one piece blown glass globe body having a translucent panel surrounded by a bead, the panel being provided with display characters formed by blowing the glass to predetermined shapes and by metallic paint fired into the glass, a transparent cover plate 10 of crystal glass covering the display characters, and a band encircling the bead and the edge of the cover plate.

2. In an advertising sign, a one piece blown globe body having a panel formed in its face, the panel having display characters blown into the glass and being rendered visible by metallic paint fired into the outer surface of the panel, a cover plate or crystal glass over the panel, and a metal ring secured to the one piece globe and about the edge of the cover plate.

3. A sign, comprising a glass globe of generally canteen shape having a peripheral wall and side walls, with a peripheral shoulder at the line of juncture between the peripheral wall and one of the side walls, a convex cover plate of glass fitting over the last-named side wall, and a retaining ring of generally annular form embracing the said shoulder and the adjacent edge of the cover plate.

4. A sign, comprising a glass globe of generally canteen shape having a peripheral wall and side walls, with a peripheral shoulder at the line of juncture between the peripheral wall and one of the side walls, a convex cover plate of glass fitting over the last-named side wall, and a retaining ring of generally annular form embracing the said shoulder and the adjacent edge of the cover plate, the cover plate being of greater convexity than the adjacent side wall and approximately coextensive in diameter with the said shoulder.

5. In an advertising sign, a one-piece blown globe of crystal glass having a circular panel extending to a circular bead, a convex cover plate of crystal glass outside the panel, and means for securing the plate to the globe with its edges held against the globe body adjacent the bead, said means comprising a split ring of U-shaped cross section receiving the bead and edge of the cover plate.

6. In an advertising sign, a one-piece blown globe body of crystal glass having a circular bead, a convex cover plate of crystal glass having its edges bearing on the sign body adjacent the bead, and a split ring of U-shaped cross section receiving the bead and edge of the cover plate to secure the cover plate in position.

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