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F. E. TALIAFERRO

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LIGHTING FIXTURE

Filed June 6, 1929

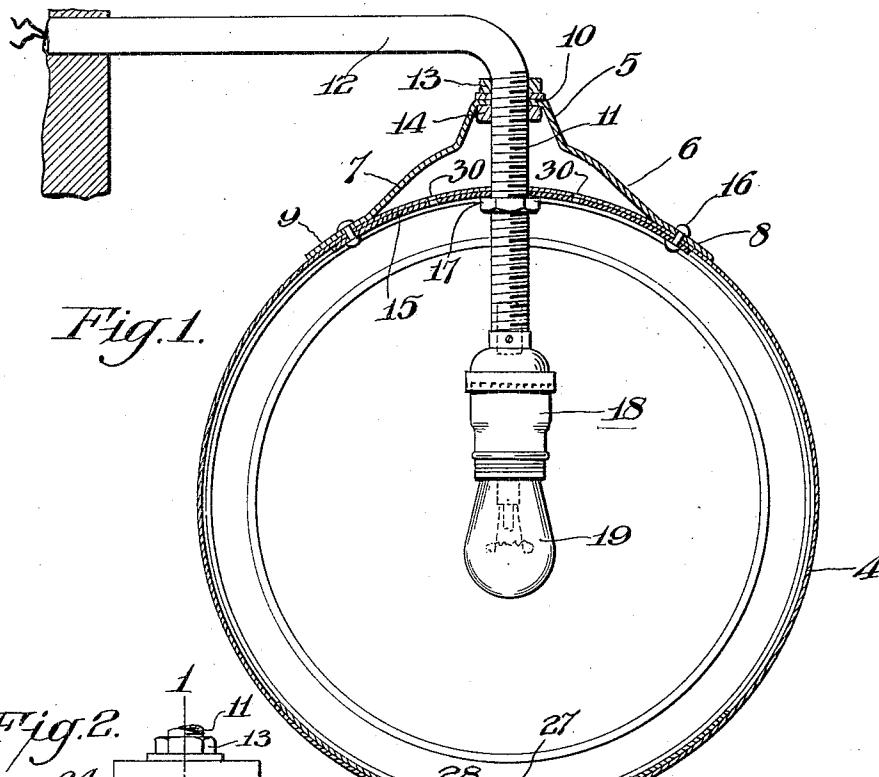


Fig. 1.

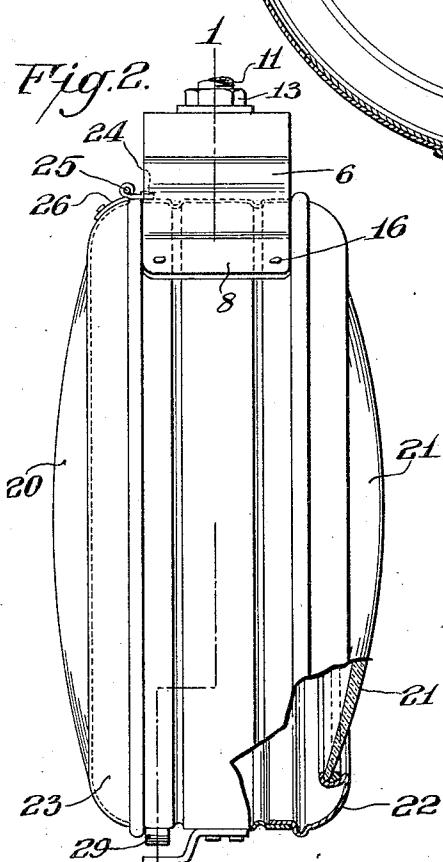


Fig. 2.

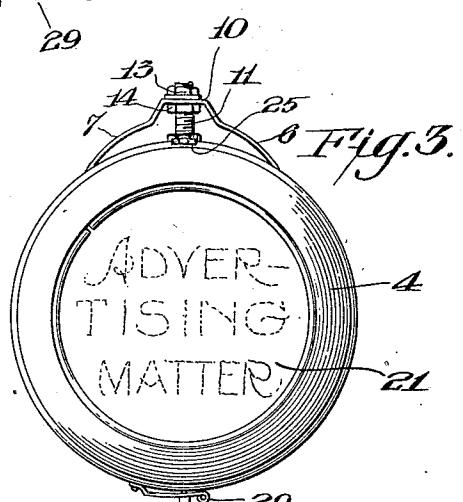


Fig. 3.

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UNITED STATES PATENT OFFICE

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LIGHTING FIXTURE

Application filed June 6, 1929. Serial No. 368,769.

My invention relates to a new and useful lighting fixture, particularly adapted for use as illuminated signs.

My invention relates more particularly to 5 a new and useful illuminated sign construction, including an annular metallic housing or rim in which a pair of transparent or translucent or partially opaque glass discs are mounted, carrying the suitable signs 10 thereon, and between which a source of light is disposed.

My invention further relates to a novel construction in an illuminated sign of the above type, whereby a more durable and less 15 fragile device is produced and whereby the maintenance of such sign will be greatly facilitated.

For the purpose of illustrating my invention I have shown in the accompanying 20 drawings one form thereof which is at present preferred by me, since the same has been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of 25 which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of the instrumentalities as herein shown and described.

In the accompanying drawings in which 30 like reference characters indicate like parts:

Figure 1 represents a vertical longitudinal 35 section of my novel illuminated sign, taken generally on line 1—1 of Figure 2, and showing a general side elevation of the device.

Figure 2 represents a vertical view of an 40 end or edge of my novel illuminated sign.

Figure 3 represents a side elevation, on a 45 reduced scale.

My novel construction in an illuminated 50 sign, includes a generally annular and cylindrical shaped body 4, of any suitable gauge sheet metal, (preferably bronze or the like) to the upper part of which the supporting yoke 5 is secured, in a manner shown particularly in Figures 1 and 2. The yoke 5 may be formed of a band or strip of metal having the two legs 6 and 7, which are secured to the annular body 4 at the points 8 and 9, and which includes an upper central horizon-

tal portion 10, through which the vertical screw-threaded stem 11 of the pipe bracket 12 is adapted to extend.

A pair of opposed threaded nuts 13 and 55 14 are threaded on the vertical threaded portion 11 above and below the upper horizontal and central portion 10 of the yoke 5, thereby firmly securing and supporting said yoke on the pipe bracket.

Immediately below the yoke 5, and within 60 the inner surface of the annular, cylindrical body 4, a reinforcing plate 15 is provided, which may be secured by the rivets 16, extending through the wall of the body 4, and also through the portions 8 and 9 of the yoke 5. A lock nut 17 may be threaded on the vertical threaded portion 11 of the pipe bracket 12, immediately beneath and in abutting relation to the reinforcement plate 15.

Any suitable conventional lamp socket 18 65 is provided on the lower terminal of the screw-threaded portion 11 of the pipe bracket 12, within which socket any suitable incandescent lamp 19 may be provided.

The two circular faces of the illuminated 70 sign, are made up of the two opposed glass discs 20 and 21 respectively, which may be either flat, curved or lens-shaped, and may be provided with any suitable sign or display painted, etched, enameled or otherwise provided thereon. The glass disc 21 may be mounted in a fixed rim or holder 22, permanently secured to the body 4 or formed integrally therewith. The glass disc 20 is mounted in and carried by a movable or 75 hinged rim 23, which fits over and coacts with the periphery of the body 4. On top of the body 4 a stationary hinge member 24 is provided, carrying a horizontal pintle 25. On top of the rim 23 an open or "hook-on" hinge member 26 is provided, which is adapted detachably to engage the pintle 25, so as to provide a detachable hinged connection between the rim 23 and the body 24.

A pin 27 is carried by the spring leaf 29, 80 and is adapted to project into a corresponding aperture 28 in the bottom of the rim 23, and into a registering aperture in the body or housing 4, whereby the rim 23 may be locked 85 100

to the housing. The spring leaf 29 is secured to the rim 23.

A series of ventilating holes 30 are provided through the top of the housing, beneath the yoke 5. A corresponding series of vent holes 31 are provided in the bottom of the housing.

The advantage of my novel construction is that a more durable and serviceable illuminated sign may be provided, which will withstand any unusual strain and which may be serviced more readily by merely removing one of the glass faces of the sign. Thus the cost of maintenance is also greatly reduced over the conventional all-glass illuminated signs, since the cost of replacing a broken glass plate is considerably less than the cost of an all-glass fixture.

Due to the provision of the series of superimposed vent holes at the top and bottom of the housing, a constant cooling air draft is maintained through the interior of the sign, thereby preventing overheating of the glass plates and the resultant deterioration of the coloring thereon. The top vent holes are shielded from rain or the like by the upper yoke member 5, so that a dry air draft may be maintained through the sign and so that the formation of corrosive and deteriorating steam vapors within the sign is entirely eliminated.

I am aware that the invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof, and I therefore desire the present embodiments to be considered in all respects as illustrative and not restrictive, reference being had to the appended claims rather than to the foregoing description to indicate the scope of the invention.

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

1. In a device of the character stated, an annular metallic housing having a pair of opposed glass plates mounted therein, one in a detachable manner, a supporting yoke secured to the top of said housing, and a bracket extending through said yoke and said housing for carrying an electric light.
2. In a device of the character stated, an annular metallic housing having a pair of opposed glass plates mounted therein, one in a detachable manner, a supporting yoke secured to the top of said housing, a bracket extending through said yoke and said housing, for carrying an electric light, juxtaposed vent holes in the bottom of the housing and in the top of the housing, and means for shielding said vent holes against rain and the like so as to admit a generally dry draft of air through said vent holes.

In witness whereof I have hereunto set my hand this 17th day of May, 1929.

65 FLOYD E. TALIAFERRO.