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1,988,028

ELECTRIC LIGHTING FIXTURE

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Fig. 1.

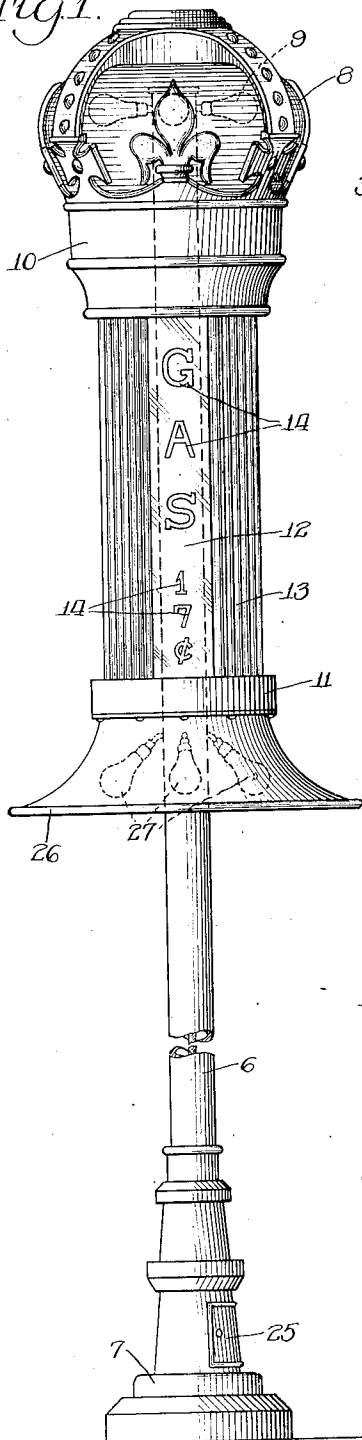


Fig. 2.

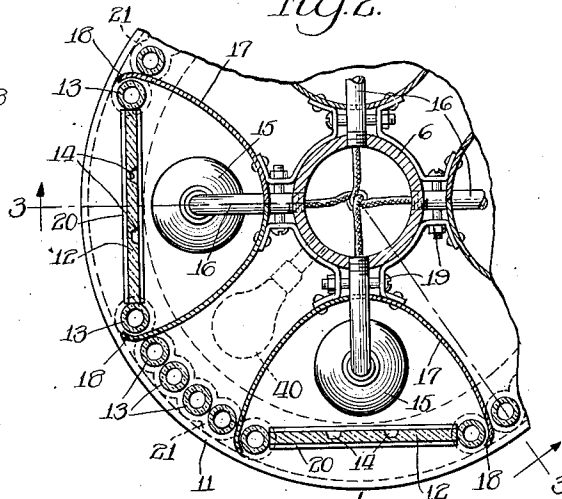


Fig. 3.

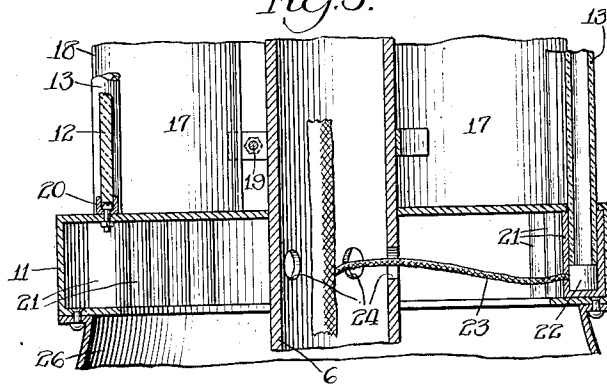
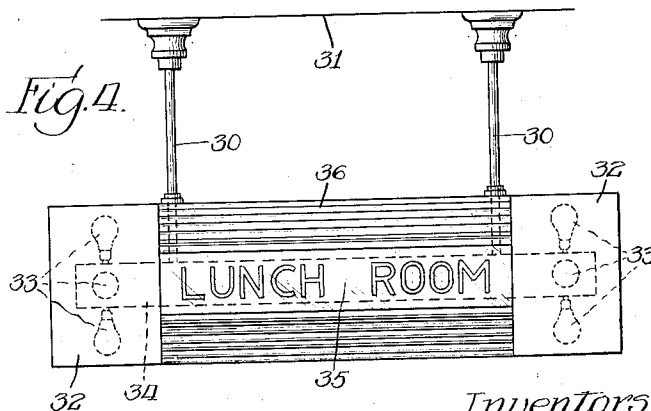


Fig. 4.



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ELECTRIC LIGHTING FIXTURE

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7 Claims. (Cl. 40—132)

This invention relates in general to a lighting fixture combining the use of gas filled tubing and electric lamps and has more particular reference to a display or advertising type of fixture adapted to be used in pedestal and hanging forms.

An important object of the invention is in combining gas filled tubing with sign elements either in combination with or separately from electric filament lamps in a manner to produce changeable lighting effects which will be attractive and novel in appearance.

A further object of the invention is in the provision of an electric advertising fixture in which the sign elements as well as the gas filled tubing lighting elements are changeable and interchangeable to produce different lighting, display and advertising effects.

A further object of the invention is in the provision of a lighting fixture in the form of a post display having separate different lighting portions which may be separately controlled and illuminated.

Other objects of the invention including novel structural features will appear hereinafter, a preferred construction being illustrated in the accompanying drawing.

In the drawing, Fig. 1 is an elevation of a post type of electric fixture constructed in accordance with the principles of this invention;

Fig. 2 is a sectional view of an intermediate or advertising illuminating section;

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2; and

Fig. 4 illustrates a ceiling supported fixture of this type.

In the display or advertising type of lighting fixtures it has not heretofore been the practice to combine gas filled tubing with electric filament lamps in producing a display sign in which both of these lamps cooperate and are variable and interchangeable. The present invention relates to the provision of a lighting fixture in which both the advertising sign or feature of the fixture can be interchanged with others of like kind or replaced, at will, and the gas filled tubing lamps can be interchanged for similar tubes of the same kind or of different colors for producing a varied or changeable lighting effect.

Furthermore it is found that by suitably combining certain lamps of these different kinds with a transparent or semi-transparent sign, of glass and the like, additional novel lighting effects can be produced, and these effects may also be varied by controlling the lighting or

flashing of the sign lighting elements either automatically or at will from a distant station or position.

Referring now more particularly to the drawing, a post type of lighting fixture is shown in Figs. 1 to 3, although it is understood that a similar construction might be used with a pendant or horizontal type of fixture as shown in Fig. 4. A central post 6 is supported from the ground by a suitable base or standard 7 and at its upper end it carries the lighting fixture which comprises a top ornamental globe 8 of glass or similar transparent material which may be decorated with any suitable design and illuminated from within by filament lamps 9 carried by the post 6.

Below the globe is a supporting ring or collar 10 supported in any suitable manner from the central post 6 and raisable with the globe to uncover the upper ends of the lighting elements below it for ready access thereto in changing and removing them.

An advertising or display illuminating section is located below the collar 10, the elements of which are supported by a lower ring or collar 11 secured to or supported by the hollow post 6 in any suitable manner. Surrounding the post 6 between the collars 10 and 11, are a number of advertising or display signs 12 regularly spaced apart and separated by groups of tubing lamps 13 arranged generally about the periphery of the fixture connecting the signs 12 and the end tubes of each group being located opposite the edge of the sign 12 so that any letters or characters of the sign which may be indented or cut into the material of the sign, as shown more clearly in Fig. 2, will be illuminated by the edge lighting of the tubes 13 at the edges thereof.

At the back of each sign 12 are one or more filament lamps 15 each supported by a suitable bracket 16 threaded into or carried by the central tube 6. The lamps 15 for each sign are preferably enclosed in a reflector 17 which extends outwardly and between the adjacent tubes 13 at each side of the sign 12 so that the outer extremities 18 of the reflector embrace the edge lighting tubes along the vertical edges of this sign. For different lighting effects the edge lighting tubes 13 may be of a different color or lighted at a different time than the other tubes 13 between the reflectors 17. The reflectors may be secured in place and to the central tube 6 in any suitable manner as by clamping screws 19.

In order to hold the sliding signs 12 releasably in position there is a small channel or guide 20

at the bottom and a similar one at the top, leaving the edges free and unobstructed to receive light from the edge lighting tubes 13.

At the upper and lower ends of the lighting tubes 13 and preferably within the collars 10 and 11 are sockets 21 for receiving terminal ends 22 of these tubes and connecting them by conductors 23 with a suitable source of current supply at the base of the tube 6 through openings 24 in the tube. It is understood that the operation of these gas filled tubing lamps 13 requires a high voltage current which may be supplied from a transformer, not shown located within the base 7 and accessible through a door 25 therein.

Supported at the lower side of the collar 11 is a flaring shade or reflector 26 preferably of metal, but may also be of glass or other transparent material within which are filament lamps 27 for illuminating the ground surrounding the post. This is particularly desirable, for example, if the lighting fixture is located at a gas filling station, this portion of the fixture being for the purpose of more brightly and properly illuminating a vehicle which is adjacent thereto for servicing it. For different types of fixtures this shade 26 is modified and the lamps 27 altered or varied. In the form of the invention shown by Fig. 4, the lighting fixture is supported in horizontal position and as shown has supports 30 extending from a ceiling 31 and connected adjacent the ends of the fixture. The ends 32 of this fixture may be colored, plain, transparent or partly so and preferably lighted by lamps 33 therein carried by a support 34. Between the ends 32 are display signs 35 and tubing lamps 36 corresponding to the advertising slides 12 and the tubular lamps 13 as described. These parts 35 and 36 may be similarly adjusted, varied and replaced and may be similarly mounted in the ends 32.

It should also be understood that if desired a row of filament lamps 40 might be placed between adjacent reflectors 17 and behind the tubes 13 as shown in Fig. 2, the object being to light the tubes from within both when they are not receiving current, and to modify their illumination when they are lighted.

In these and other forms of the invention it should be understood that by proper circuit connections, which form no part of the invention, the different tubes, lamps and combinations of them may be lighted, extinguished and flashed, thereby producing novel lighting, display and advertising results. By varying the slides 12 from time to time they will give a different message and by varying the lights they will produce a different lighting effect. The tubes may also be varied in color and when located adjacent to each other they will impart different color combinations when such tubes are lighted separately, in uniform, or in different combinations with themselves and with the other type of filament lamps. Thus entirely new and different lighting effects may be produced which are attractive in appearance, and producing the lighting fixture which may be used for ordinary lighting of store windows, filling stations, as well as the more obvious and customary lighting functions which such fixtures have to perform.

We claim:

1. In an electric fixture, a central support, a plurality of transparent display plates and adjacent lateral illuminating means therefor disposed at intervals around the support and upheld there-

by, separate illuminating means at the rear of each display plate, and reflecting means also upheld by the support and separately embracing each of the plates and its rear and adjacent lateral illuminating means.

2. An electric fixture comprising a lighting display portion substantially tubular in form having display plates spaced apart about the periphery and a plurality of separate tubing lamps between the edges of adjacent plates, the lamps directly adjacent the edges of the plates illuminating the plates, and reflecting means for separating each plate and the lamps at its edges from the other plates and lamps.

3. In a lighting fixture, a tubular lighting display portion comprising display plates arranged at intervals about the periphery, tubing lamps disposed at the edges of the plates and peripherally between them, separate means for illuminating each plate from the rear thereof, reflecting means for each plate embracing the light means at the rear thereof and the tubing lamps at the opposite edges thereof, and separate distinctive display lighting means at each end of the said tubular display lighting portion.

4. A lighting fixture in accordance with claim 3 in which the said lighting means are applied to a post type of fixture and the lighting means at the lower end having a reflector for directing the light downwardly around the post.

5. An electric fixture comprising a central tubular support through which circuit connections are made, an illuminated dome at the top of the support, an intermediate display portion comprising plates extending vertically and spaced apart at a distance from the support, tubular lamps arranged peripherally between the plates, lighting means at the rear of the plates, reflectors embracing the lighting means and the tubular lamps at the edges of each plate, a bottom supporting ring for the plates and tubular lamps, a flaring reflector supported at the lower edge of the ring and lighting means within the reflector for illuminating the lower portion of the support and surrounding it.

6. An electric fixture comprising a lighting display portion substantially tubular in form having display plates spaced apart about the periphery and a plurality of separate tubing lamps between the edges of adjacent plates, the lamps directly adjacent the edges of the plates illuminating the plates, reflecting means for separating each plate and the lamps at its edges from the other plates and lamps, and the other tubing lamps being disposed between the reflectors at the periphery of the fixture and independent of the reflecting means and the lamps included by it.

7. An electric fixture comprising a lighting display portion substantially tubular in form having transparent display plates spaced apart about the periphery and a plurality of separate tubing lamps between the edges of adjacent plates, the lamps directly adjacent the edges of the plates illuminating the plates, reflecting means for separating each plate and the lamps at its edges from the other plates and lamps, and separate illuminating means between and at the rear of the reflectors for illuminating the other tubing lamps independently of those directly adjacent the edges of the plates.

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