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E. F. MILLER

2,298,961

FLUORESCENT LAMP

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Fig. 1.

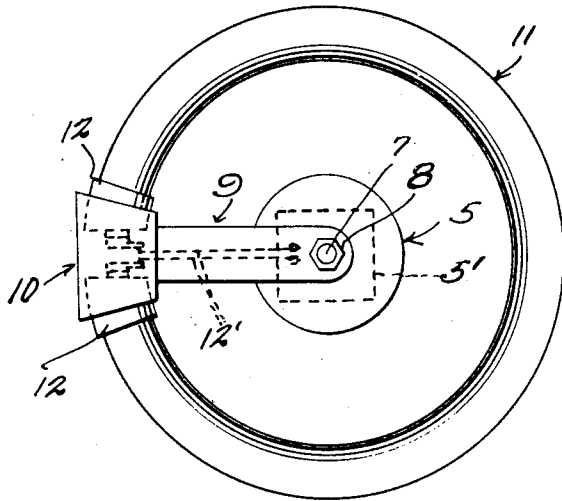


Fig. 2.

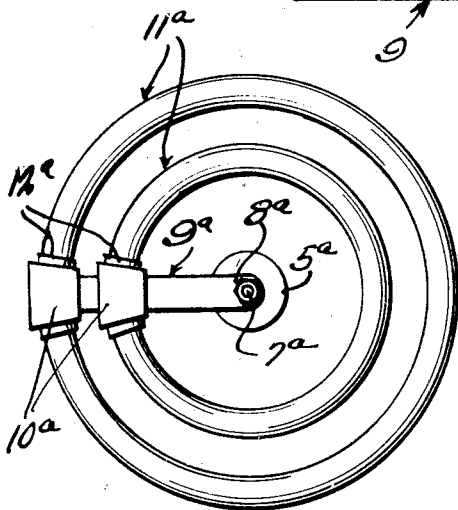
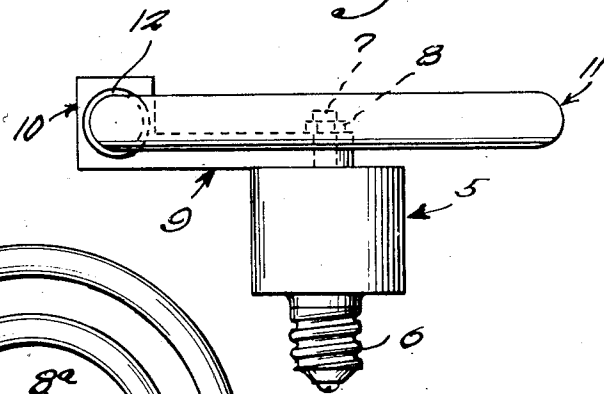


Fig. 3

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2,298,961

FLUORESCENT LAMP

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Application November 22, 1941, Serial No. 420,123

1 Claim. (Cl. 176—122)

My invention relates to improvements in luminous devices, and provides in the form of an integrated unit a circular fluorescent tube including an operating transformer and a screw plug for mounting the whole supportably and operatively from a current supply socket, and the primary object of my invention is to provide a simple and efficient arrangement of this character which admits of more than one concentric circular fluorescent tube by a simple modification of basic component parts.

Other important objects and advantages of my invention will be apparent from a reading of the following description taken in connection with the appended drawing, wherein for purposes of illustration I have shown a preferred embodiment of my invention.

In the drawing:

Figure 1 is a general top plan view of the embodiment.

Figure 2 is a side or edge elevational view looking upwardly in Figure 1.

Figure 3 is a top plan view of a modified form.

Referring in detail to the drawing, the numeral 5 generally designates a suitably shaped body in the nature of a hub, which in this instance is shown as cylindrical in form. The body 5 is made of suitable metal or non-metallic material and has projecting axially therefrom the outlet socket plug 6. Within the body 5 is housed a fluorescent tube transformer (not shown).

From the end of the body 5 opposite the plug 6 extends an axial stud 7 which is provided with a clamping nut 8, the stud and nut serving as mounting and clamping means, respectively, for the inner end of a radial arm 9 which has a hole in its radially inward end receiving the stud.

The radially outward end of the arm 9 is formed with a body 10, in this case shown segmental in plan and generally rectangular in cross section, although it may assume any desired structural or ornamental shape.

Projecting from and mounted in opposite sides

of the body 10 are terminals of a substantially circular fluorescent tube 11 which is arranged concentrically with respect to the plug 6 and body 5. The necessary conductors (not shown) lead from the transformer within the body 5, through the support arm 9 and connect with the terminals of the fluorescent tube 11 within the body 10. The said terminals are enclosed by tube holders 12 mounted at the ends of the said body 10 as indicated in Figure 1.

To utilize more than one concentric fluorescent tube 11, as by adding another fluorescent tube 9a outside of the circular tube 11, the arm 9 is lengthened and provided with another tube holder arrangement, or another arm 9a is provided to reach out to and support the additional tube or tubes.

Although I have shown and described herein a preferred embodiment of my invention, it is to be definitely understood that I do not wish to limit the application of the invention thereto, except as may be required by the scope of the subjoined claim.

Having described the invention, what is claimed as new is:

A lamp of the class described comprising a cylindrical container for a transformer, an outlet socket plug extending axially from one end of the container for attachment in an outlet socket to connect one side of the transformer with a source of electric energy, a radial arm detachably secured at one end to the other end of the container and provided at its other end with a hollow member having a pair of tube holders in opposite ends thereof, said arm being hollow for the extension of leads there-through from the other side of said transformer to said holders, and a fluorescent tube having the form of a transversely slit annulus, the ends of the tube being mounted in said holders to dispose the tube in concentric relation to said container.

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