Feb. 3, 1942. H. J. CLASPY 2,271,679

LIGHTING FIXTURE

Filed Oct. 4, 1940

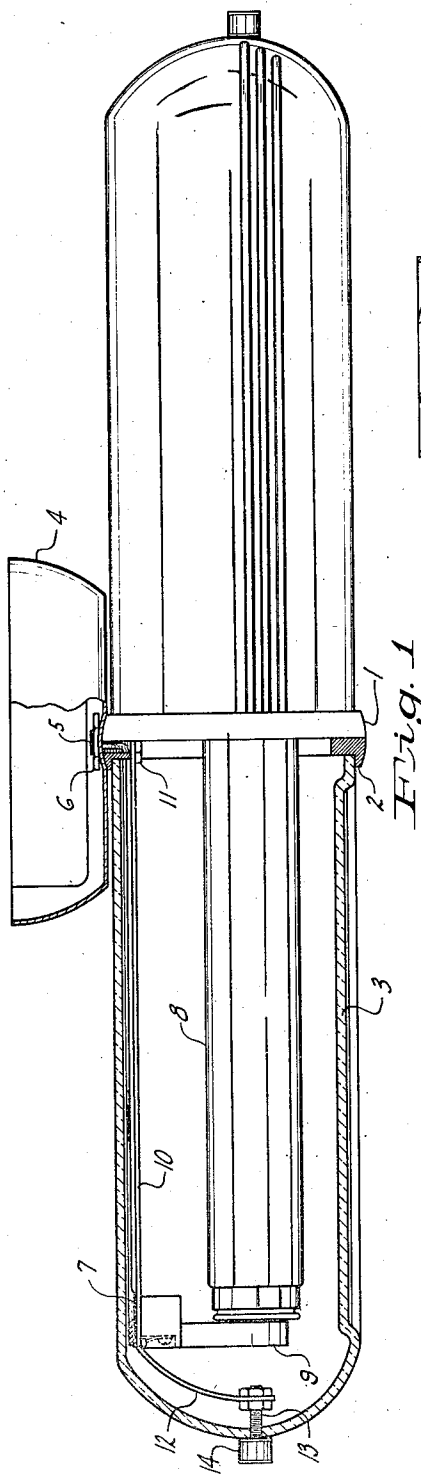


Fig. 1

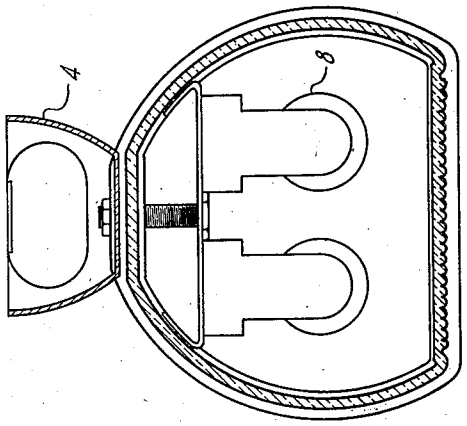


Fig. 3

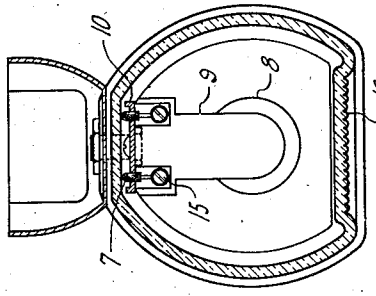


Fig. 2

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LIGHTING FIXTURE

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Application October 4, 1940, Serial No. 359,699

2 Claims. (Cl. 240—78)

This invention relates to new and useful improvements in lighting fixtures for fluorescent lamps, and this application is an improvement on application Serial No. 354,037 filed by me August 24, 1940, entitled Lighting fixtures.

In the aforementioned application, I have disclosed a lighting fixture of glass or plastic for totally enclosing both the fluorescent lamps or tubes, and the lamp ballast or auxiliary.

The present invention is designed to enclose the fluorescent lamps or tubes by a sectional lighting fixture and to provide a separate housing for the lamp ballast outside of the glass fixture.

The invention will become more apparent from a consideration of the accompanying drawing constituting a part hereof in which like reference characters designate like parts, and in which:

Fig. 1 is a view partially in cross-section and partially in front elevation of a fluorescent lighting fixture embodying the principles of this invention;

Fig. 2 a vertical cross-sectional view thereof; and

Fig. 3 a cross-sectional view of a fixture employing two fluorescent lamps.

In the drawing, the numeral 1 designates a mounting bracket which may be a casting having flanges 2 forming a seat for the glass lighting fixture 3. Attached to the bracket 1 is a housing 4 secured by a threaded nipple 5 and a nut 6, the nipple 5 being hollow for admitting the electrical conduit 7 to the interior of the lighting fixture. The housing 4 is adapted to be attached to a ceiling or wall in any suitable manner and is adapted to house the lamp ballast or auxiliary that constitutes a portion of the lighting circuit for fluorescent lamps.

The fluorescent tubes designated by the numeral 8 and which may be in groups of 1 or 2 lamps, as shown in Figs. 2 and 3, are mounted on terminals 9 supported by channel members 10, the channels being fastened to the center bracket 1 by a nut 11 screwed on the nipple 5. Channels 10 are provided with an extension or arm 12 which support a stud bolt 13 for receiving thumb nuts 14 by which the lighting fixture 3 is held against its seat in the center bracket 1.

As shown in Fig. 2, the electrical conduits 7 pass over channels 10 and are fastened to the terminal posts 15 of the terminals 9. The lighting fixture is of annular shape with the bottom portion 16 fluted to form a refractionating surface for the light, and this portion 16 may be of a translucent glass while the remainder of the fixture can be made of an opaque glass body material. The ballast housing 4 may be made of glass, plastic or metal, and in the design shown produces an ornamental effect in conjunction with the horizontally disposed lighting fixtures 3 that house the fluorescent tubes 8.

By providing a separate housing for the lamp ballast, the mounting of the fluorescent tube inside of the fixture is simplified and consumes less space, thereby affording greater flexibility in the design of the fixture which may be produced in various ornamental shapes.

The fixture may be readily mounted by fastening the housing 4 to the wall or ceiling with the center bracket 1 assembled to the housing and the channel members 10 mounted to the center bracket, as shown in Fig. 1. It is then a simple matter to insert the fluorescent light tubes 8 in their terminals 9 and place the half-sections of the lighting fixture in position by seating them in the flanged portions 2 of the center bracket 1, and attaching the thumb screws 14. This construction provides accessibility for inspection, cleaning and replacement of the fluorescent tubes.

Although one embodiment of the invention has been herein illustrated and described, it will be evident to those skilled in the art that various modifications may be made in the details of construction without departing from the principles herein set forth.

I claim:

1. In a lighting fixture for fluorescent lamps having a ballast, a housing for said ballast, a bracket extending outwardly from said housing and attached thereto, a support for fluorescent lamps secured to said bracket and extending substantially in a horizontal plane, a plurality of translucent lighting enclosures or shades mounted beneath the ballast housing with their inner ends in the bracket, and means extending through the outer ends of said enclosures for attaching the enclosures to the ends of the support.

2. In a lighting fixture for fluorescent lamps, a ballast housing, a bracket extending outwardly from said housing and attached thereto, a support for fluorescent lamps secured to said bracket and extending substantially in a horizontal plane, a plurality of translucent lighting enclosures or shades mounted beneath the ballast housing having their inner ends shaped to fit in the bracket, extensions at the ends of the support and means extending through the outer ends of the shades for engaging the extensions of said lamp support.

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