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2,327,230

LIGHTING FIXTURE

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Fig. 1.

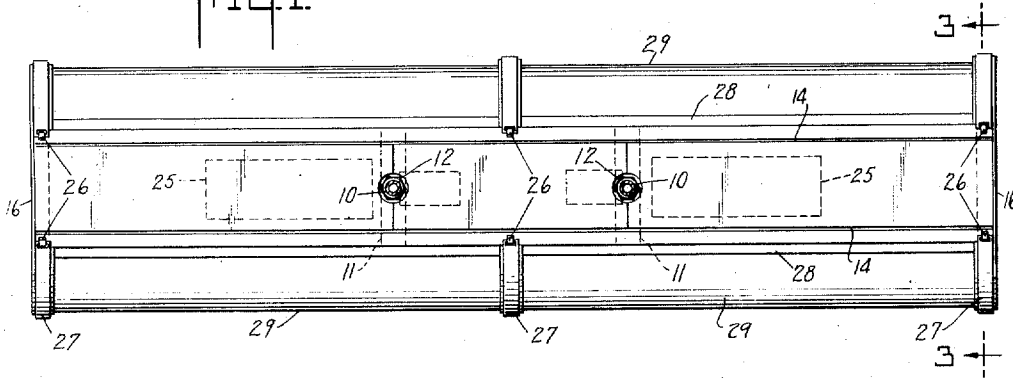


Fig. 2.

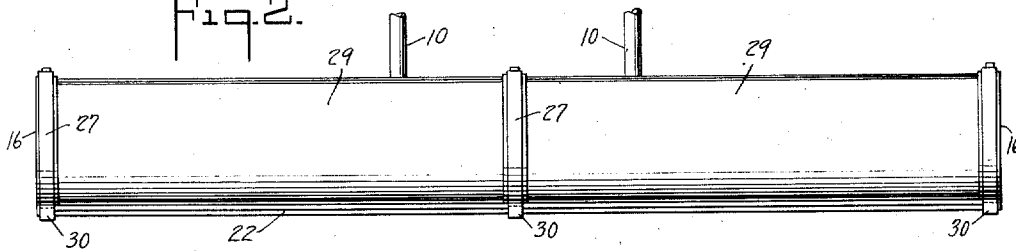


Fig. 3.

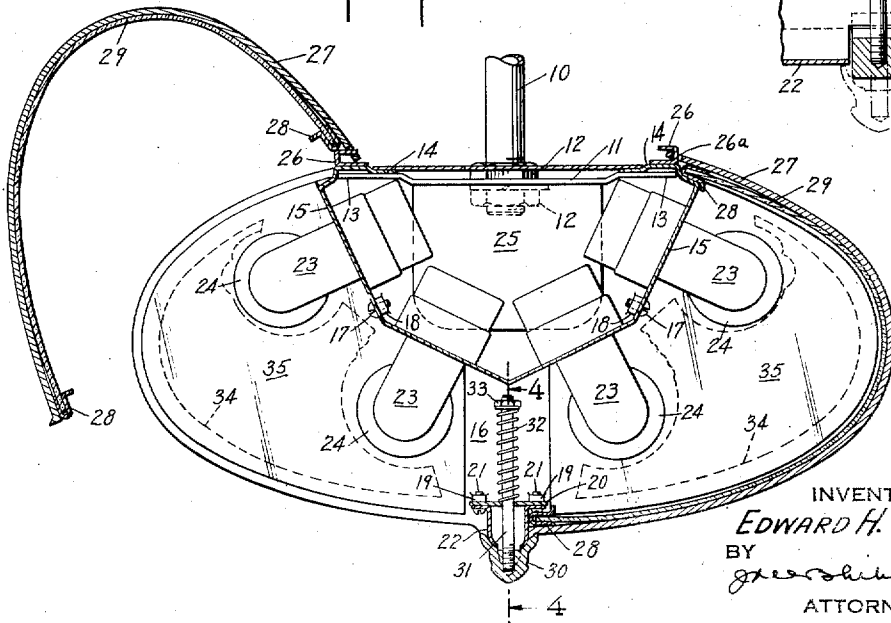
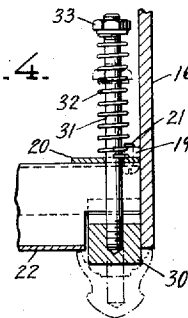


Fig. 4.



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LIGHTING FIXTURE

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3 Claims. (Cl. 240—78)

The present invention relates to lighting fixtures, and is more particularly directed toward totally enclosed fluorescent lighting fixtures.

The present invention contemplates fluorescent lighting fixtures wherein a generally horizontal body supports a number of fluorescent lamp sockets and lamps, and wherein the body has end plates and hinged closures adapted to completely enclose the lamps and all except the top part of the body.

According to the present invention the hinged closures are arranged so that they extend substantially to the center of the fixture and are held in closed position against a reinforcing strip which extends between the end plates.

Other and further objects of the invention will hereinafter appear as the description proceeds.

The accompanying drawing shows, for purposes of illustrating the present invention, an embodiment 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:

Figure 1 is a top plan view of the fixture;

Figure 2 is a side elevational view of the fixture;

Figure 3 is a section taken on the line 3—3 of Figure 1; and

Figure 4 is a sectional view on the line 4—4 of Figure 3.

The fixture is carried at the lower end of two vertical pipes 10, 10 fastened to cross straps 11, 11 by nuts indicated at 12, 12. The ends 13, 13 of the straps 11, 11 are welded to inwardly bent angles 14, 14 carried by a sheet metal body 15 in generally trough shaped configuration. This body is secured to end plates 16, 16 in any convenient manner, for example, by screws 17 read into lugs 18. The end plates also carry lugs 19, 19 to which cross straps 20 are secured by bolts 21. These cross straps support a channel shaped longitudinally extending member 22 which interconnects the two end plates and stiffens the fixture.

The body 15 carries pairs of fluorescent lamp sockets 23 adapted to support fluorescent lamps below the body and the body also carries the usual fluorescent lamp auxiliaries indicated at 24. The top of the body 15 carries hooks 26 adapted to enter holes 26a in U-shaped straps 27. These straps are secured to channel shaped members 28, 28 which receive a sheet of diffusing

plastic 29 bent to conform to the shape of the straps 27.

The lower channels 28 are adapted to swing in against the fixed channel 22, as indicated in Figure 3, and owing to the configuration of the parts the hinged closures naturally assume this closed position. They are held in the closed position by knobs 30 carried on rods 31 which pass through the cross plates 20. These rods carry springs 32 and nuts 33 so that the rods are urged upwardly. When the knobs 30 are in the position shown in Figure 3 they overlap the hinged closures, and when the knobs are turned to the dot-and-dash line position indicated in Figure 4 the hinged closures are released. The hooks 26 are preferably made long enough to permit a slight sliding movement of the hinged closures on the hooks as indicated at the left of Figure 3, so that when the hinged closures are swung up they may be moved slightly to lock the closures in open position so that they will not interfere with lamp renewal.

When it is desired to permit some light to escape through the end plates, these end plates are provided with openings indicated by the dotted lines 34, 34 of Figure 3, and these holes are covered with sheets of plastic diffusing material 35. The end plate may be made so that the sockets are concealed by the opaque portions.

It is apparent that, within the scope of the invention, modifications and different arrangements may be made other than is herein disclosed, and the present disclosure is illustrative merely, the invention comprehending all variations thereof.

What is claimed is:

1. A fluorescent lighting fixture adapted for pendant mounting and to provide a substantial upward component of light for indirect lighting, comprising a fixed horizontal body which includes a trough-like member, end plates secured to the trough-like member, a pair of fluorescent lamps supported below the central portion of the trough-like member, a second pair of fluorescent lamps supported opposite the upper side portions of the trough-like member, the end plates extending a substantial distance beyond the upper lamps and below the lower lamps, a centrally disposed reinforcing strip between the end plates, a pair of generally trough shaped diffusing closures extending from one end plate to the other and from the reinforcing strip to the upper, outer edges of the trough-like member so that all light escaping upwardly, laterally or downwardly is diffused, and hinge connections be-

tween the body and the top of each closure whereby each closure can be swung upwardly and outwardly to give access to the lamps adjacent the raised closure, the weight of the closures normally maintaining them in the lower or closed position. 5

2. A fluorescent lighting fixture adapted for pendent mounting and to provide a substantial upward component of light for indirect lighting, comprising a fixed horizontal body which includes a trough-like member, end plates secured to the trough-like member, a pair of fluorescent lamps supported below the central portion of the trough-like member, a second pair of fluorescent lamps supported opposite the upper side portions of the trough-like member, the end plates extending a substantial distance beyond the upper lamps and below the lower lamps, a centrally disposed reinforcing strip between the end plates, a pair of generally trough shaped diffusing closures extending from one end plate to the other and from the reinforcing strip to the edges of the trough-like member so that all light escaping upwardly, laterally or downwardly is diffused, and hinge connections between the body and the top of each closure, the hinge connections including relatively slidable parts which 10 15 20 25

permit the closures to swing freely when the parts are in one position, and prevent swinging when the closure is in the open position and slid to the other position.

3. A fluorescent lighting fixture adapted for pendent mounting and to provide a substantial upward component of light for indirect lighting, comprising a fixed horizontal body which includes a trough-like member, end plates secured to the trough-like member, a pair of fluorescent lamps supported below the central portion of the trough-like member, a second pair of fluorescent lamps supported opposite the upper side portions of the trough-like member, the end plates extending a substantial distance beyond the upper lamps and below the lower lamps, a centrally disposed reinforcing strip between the end plates, a pair of generally trough shaped diffusing closures extending from one end plate to the other and from the reinforcing strip to the edges of the trough-like member so that all light escaping upwardly, laterally or downwardly is diffused, and spring actuated knobs carried by the reinforcing strip and engageable with the lower edges of the closure members to hold them against the strip.

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