The present invention relates to lighting fixture covers more particularly directed toward dust-tight lighting fixture covers for use with metal reflectors.

The present invention contemplates a lighting fixture cover employing a cast metal ring having a seat to receive the usual glass cover plate and this ring is provided with a gasket adapted to fit the rim of the reflector. The ring and reflector are provided with cooperative clamping devices for holding the ring tightly against the reflector. Other and further objects will hereinafter appear as the description proceeds.

The accompanying drawings show, for purposes of illustrating the present invention, an embodiment in which the invention may take one form, it being understood that the drawings are illustrative of the invention rather than limiting the same.

In these drawings:

Figure 1 is a top plan view with parts broken away showing the reflector and cover;

Figure 2 is a view of the sectional view taken on the line 2-2 of Figure 1;

Figure 3 is a view similar to Figure 2 showing the cover ring only;

Figure 4 is a sectional view of line 4-4 of Figure 1 showing the cover ring only; and

Figure 5 is an elevation view with parts in section, these parts being taken on the line 4-4 of Figure 1.

A metal reflector of conventional contour is fragmentarily indicated at 10. It has a flat downwardly extending flange 11 and a rolled lower edge 12. The reflector carries a mounting bracket 13 (Figure 5) and this bracket pivotally supports an L-shaped clamping bolt 14. The cover ring 15 has an annular recess 16 in the upper face to receive a tubular gasket 17. The ring has an upwardly facing flange 18 adapted to receive a cover glass 19. This glass is held in place by clips indicated at 20.

The cover ring 15 is provided with a lug 21 having a hole 22 to receive the bolt 14. A thumb nut 23 on this bolt serves to hold the ring 15 on the bolt and support it from the reflector.

Each side of the lug 20 the ring 15 is provided with a lug 25, only one of which appears in the drawing. This lug is provided with a vertical hole or drilling 26 to receive a bolt 27. The upper end of this bolt is welded to a strap or plate 28 having a downwardly bent outer end 29 adapted to fit about the outer surface 30 of the lug 25. The inner end 31 of the plate 20 is adapted to overlie the flange 11 on the reflector. The upper surface of the lug 30 is provided with an elevated region at 32 disposed outside of the bolt hole 28. The bolt 27 carries a wing nut 33. When the wing nut is loosened, the bolt and plate 28 can be lifted up to the dot and dash line position of Figure 2 and then turned to the dot and dash line position of Figure 1 so that it will lie outside the bead 12 at the periphery of the reflector. When each of the plates 28 is in this position the cover can be swung down on the bolt 14 as a support.

Since it is obvious that the invention may be embodied in other forms and constructions within the scope of the claims, I wish it to be understood that the particular form shown is but one of these forms, and various modifications and changes being possible, I do not otherwise limit myself in any way with respect thereto.

What is claimed is:

1. The improvement in lighting fixtures having a downwardly opening, open mouthed reflector provided with an outwardly extending flange, and a cover for the reflector including a ring having gasketed seating portion to fit the flange and a light transmitting plate carried by the ring, which improvement comprises outwardly extending apertured lugs carried by the ring, threaded studs extending through the apertured lugs, a nut carried by the lower ends of each stud, and a plate fixedly secured intermediate its ends to the upper end of each stud, the stud being movable lengthwise of the aperture and rotatable in the aperture, the plate and corresponding lug having elements which interengage to prevent rotation of the stud and plate about the aperture axis when the stud and plate are in the lowered position and the plate turned to place is inner end on the flange of the reflector whereby the nut on the stud can be tightened against the lug without swining the plate away from the reflector flange, the elements being disengageable when the nut is unthreaded to permit elevating the stud and plate in a sufficient amount whereby the plate may be swung clear of the reflector flange.

2. The improvement of claim 1, wherein the plate carried element is in the form of a downwardly bent flange at its outer end and the outer end of the lug is spaced to fit said flange.

3. The improvement of claim 1, wherein the top of the lug has an elevated region for contact with the plate outside the aperture.

4. In a reflector closure, a ring carrying a gasket on its upper face and provided with outwardly extending vertically apertured lugs whose...
upper surfaces have elevated regions near their outer ends, plates corresponding in number to the lugs and of a length to extend from opposite the gasket to the outer ends of the lugs and having downwardly bent flanges at their outer ends engageable with the outer ends of the lugs to prevent turning of the plates about the axes of the apertures when the plates are in the lowered position, a stud fixedly secured to each plate and extending through the aperture in the lug, and a nut threaded onto the lower end of each stud, the nuts, when tightened against the lugs, forcing the plates downwardly and when loosened, permitting lifting the studs and plates to free the plates from the lugs so that the studs and plates may be turned about the respective stud axes.

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