Dec. 27, 1960 M. LIBERMAN 2,966,326

LIGHTING FIXTURE SUPPORT

Filed July 29, 1957

Fig. 1.

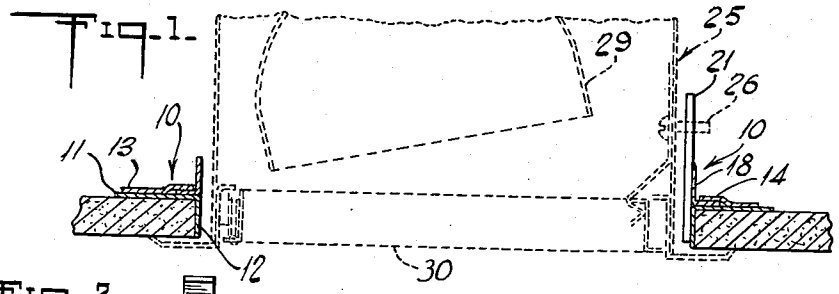


Fig. 2.

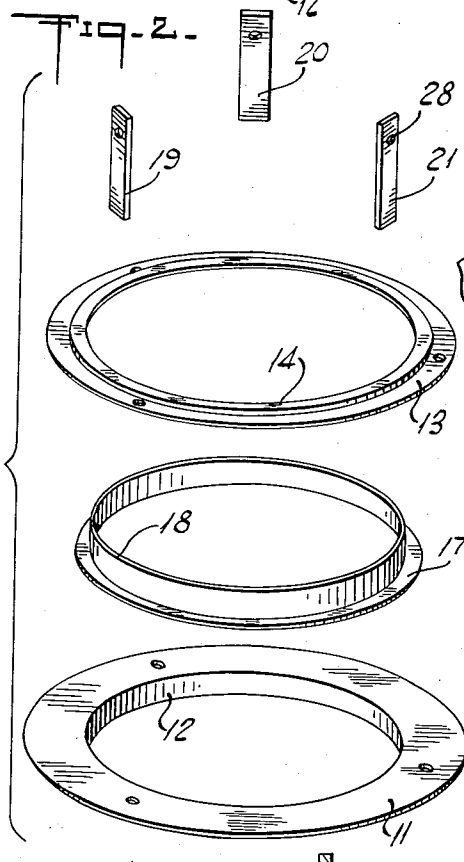


Fig. 3.

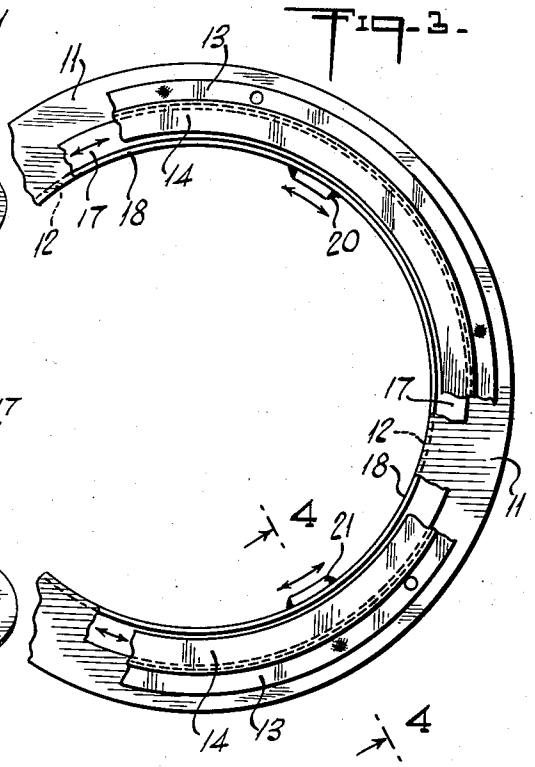
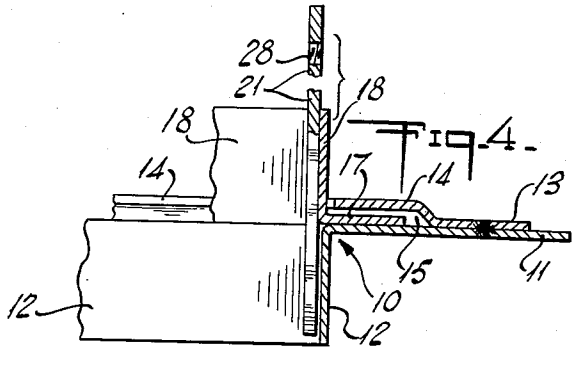


Fig. 4.



INVENTOR
MILTON LIBERMAN
BY Eugene Hoffman Jr.
ATTORNEY

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LIGHTING FIXTURE SUPPORT

Milton Liberman, 65 Sewane Road, East Rockaway, N.Y.

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3 Claims. (Cl. 248—343)

This invention relates to lighting fixtures and more particularly to a novel and improved lighting fixture support for mounting flush type fixtures in a supporting surface.

The mounting of flush type fixtures in ceilings or other supporting surfaces has presented a number of problems including the relatively high cost of known mounting devices and difficulties entailed in installation of the mount, attachment of the fixture and adjustment of the fixture when secured to the mount.

Lighting fixtures of the flush mounting type are generally mounted to a stable support in the ceiling or other surface with plaster being subsequently applied over the supporting structure to cause it to adhere rigidly to the ceiling while also providing generally a pleasing effect. However, once the fixture is immovably fixed and the plaster applied over the supporting structure, there is no way for adjusting or rotating the fixture to a new position.

The invention herein overcomes the limitations of known flush type fixtures by providing a novel and improved supporting structure or mount for retaining a lighting fixture in position on the ceiling or other supporting wall and at the same time affording means for angularly adjusting the fixture to direct the light source in a desired direction.

It is therefore one object of this invention to provide an adjustable mount for a flush type lighting fixture.

Another object of this invention is to provide an improved flush mount for lighting fixtures which facilitates attachement of the fixture and affords easy adjustment of the fixture to provide variations in lighting.

Other objects, aspects and advantages of the invention will become more apparent from the following description and accompanying drawings wherein:

Figure 1 is a sectional view of the ceiling fixture and the supporting structure according to the invention;

Figure 2 is an exploded view of the fixture support or mount;

Figure 3 is a fragmentary plan view of the fixture mount with parts broken away; and

Figure 4 is a cross sectional view taken along the line 4—4 of Figure 3.

Referring now to the drawing, there is shown a flush type ceiling fixture support assembly generally denoted by reference numeral **10** and comprising an annular ring base **11** having a downwardly extending cylindrical flange **12** along the inner periphery thereof. Another annular guide ring member **13**, having an upwardly extending offset portion **14** along the inner periphery, is mounted to the ring base member **11** and secured thereto in any conventional manner such as spot or continuous welding

and the like. When the guide ring member **13** and the base member **11** are joined to form a substantially unitary ring-like structure, there is defined by reason of the offset flange **14** and ring **11**, an annular recess or groove **15**. The annular groove **15** rotatably receives a third annular ring member **17** having an upwardly extending flange **18** along the inner periphery. Although a continuous ring member **17** is shown, it is possible to have the ring segmented, or discontinuous, as long as some portion thereof traverses the groove defined by the base and guide ring members. The rotatable annular ring member **17** represents the movable portion of the ceiling fixture support to which the lighting fixture is attached.

A number of upwardly extending support brackets **19**, **20** and **21** are carried by the rotatable ring **17** and secured to the inner surface of the upwardly extending flange **18** in any suitable manner as by welding, soldering and the like. The lower portion of each bracket slidably engages the inner surfaces of the flange **12** to maintain a steadier rotational movement of the rotatable member **17** and holds the member **17** in alignment with the ring members **11** and **13**. Finally, the lighting fixture **25** is attached to the support brackets by means of screws **26** extending through the wall **27** of the fixture and threadably engaging openings **28** in the brackets.

In operation the fixture support assembly **10** is first secured to some accessible ceiling support member, such as lathing and the like, before plastering or other ceiling covering is applied. The ceiling covering such as plaster or the like covers the ring like portions **11** and **13** leaving only the central opening defined by the flange **12**. The fixture **25** which has an offset light source **29** is then installed and secured by screws **26**. When the screws **26**, accessible from within the fixture by opening the grill **30**, are loose, the fixture can be rotated to any desired angular position. Upon tightening the screws **26** the fixture **25** is automatically locked in position.

What is claimed is:

1. A flush ceiling support for lighting fixtures comprising a first annular ring member having a predetermined inside diameter, a second fixture carrying annular ring member having substantially said predetermined inside diameter, said ring members each carrying a cylindrical flange of substantially said predetermined inside diameter and extending from the inner periphery of its associated ring member, said ring members further being in overlying slidable engagement with said cylindrical flanges extending in opposite directions, and means carried by the first said ring member for rotatably retaining the second member on the first said member.

2. A flush ceiling support for lighting fixtures comprising a first annular ring member having a predetermined inside diameter, a second fixture carrying annular ring member having substantially said predetermined inside diameter, said ring members each carrying a cylindrical flange of substantially said predetermined inside diameter and extending from the inner periphery of its associated ring member, said ring members further being in overlying slidable engagement with said cylindrical flanges extending in opposite directions, and means carried by the first said ring member for rotatably retaining the second member on the first said member, the last said means comprising a ring secured to the first said annular ring member to form an annular groove for retaining said second annular ring member.

3. A support according to claim 2 including elongated bracket members secured to the inner surface of the cylindrical flange of said second annular ring member and extending in a direction perpendicular to the plane of rotation of the second member with one end of each bracket member slidably engaging the inner surface of the cylindrical flange of the first annular ring member and the other end of each bracket including fixture attaching means.

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