Aug. 11, 1959 P. DE MAURO 2,899,542

CEILING-RECESS LIGHT FIXTURE

Filed Dec. 13, 1956

FIG. 1

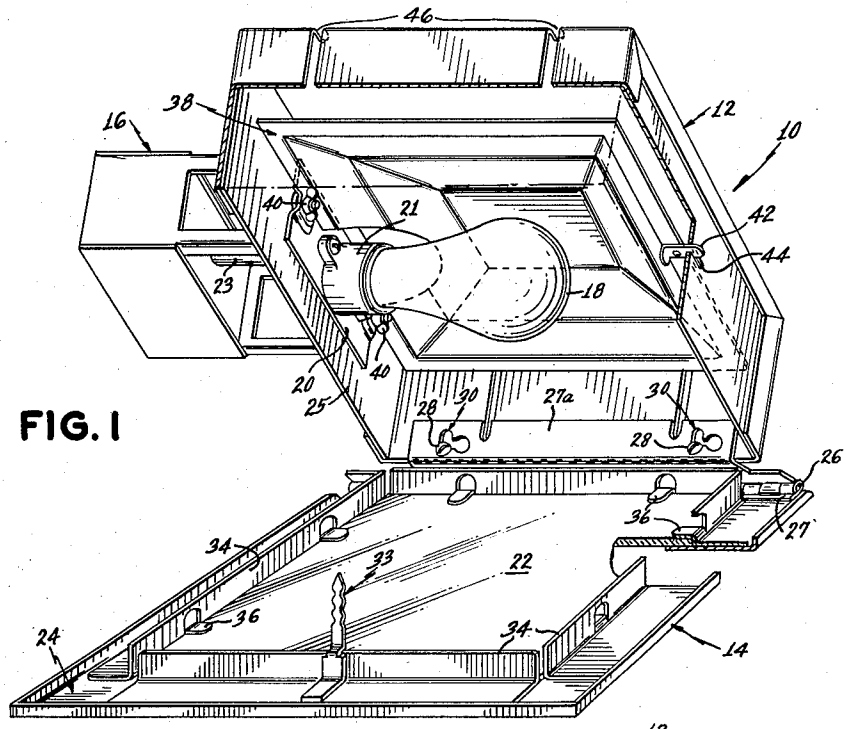


FIG. 2

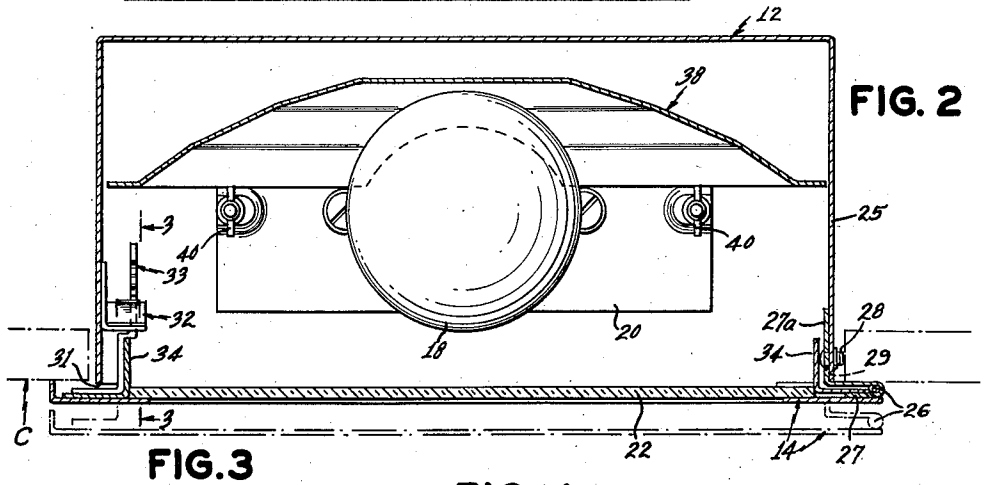


FIG. 3

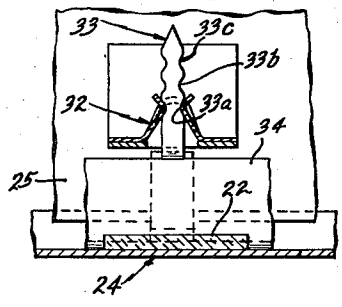
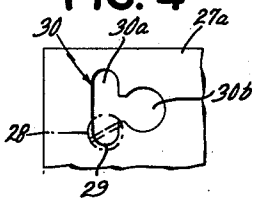


FIG. 4



INVENTOR.
Peter De Mauro
BY Edwin Jensen
Harry Cole
ATTORNEYS

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CEILING-RECESS LIGHT FIXTURE

Peter De Mauro, Whitestone, N.Y., assignor to Globe Lighting Products, Inc., Brooklyn, N.Y., a corporation of New York

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2 Claims. (Cl. 240—78)

The present invention relates to light fixtures and, more particularly, to a light fixture of the type which is mounted in a ceiling recess.

One object of this invention is the provision of a light fixture with a light-emitting closure and trim member which is adjustable in relation to the fixture lamp-housing so that the closure can be properly positioned in relation to the ceiling despite variations in the positioning of the fixture housing in the ceiling recess or despite variations in the thickness of the finishing layer of the ceiling.

Another object is to provide the fixture lamp-housing with an improved pivoted closure therefor, especially in respect to the hinge connection between the housing and the closure and in respect to the means for releasably securing the closure in closed position.

Another object is to provide a single and convenient mounting for a light reflector in the lamp housing of the fixture.

A yet further object is generally to provide an improved light fixture of the ceiling recess type.

The above and other objects, features and advantages of the invention will be more fully understood from the following description considered in connection with the accompanying drawings illustrative of the presently preferred embodiment of the invention.

In the drawings:

Fig. 1 is a perspective view of a lighting fixture embodying the present invention, the closure being in open position;

Fig. 2 is a sectional view of the fixture, the light-emitting closure member being closed;

Figure 3 is a sectional view on the line 3—3 of Fig. 2;

Fig. 4 is an enlarged view of a portion of a hinge member for the housing closure.

Referring now to the drawing and more particularly to Fig. 1, the recessible lighting fixture, designated generally by the numeral **10**, essentially consists of a lamp housing **12** and a light emitting closure member **14** which is attached to the housing. A junction box **16** adjacent a side wall of housing **12** houses the wiring and other associated electrical elements for a lamp **18** mounted on a plate **20** which carries the lamp socket **21**. The wiring between the junction box and the lamp socket extends through a tube **23**. This junction box and its mounting is preferably but not necessarily of the construction shown in the U.S. application of David Sobel, Serial No. 618,868, filed October 29, 1956, and assigned to the assignee of this application.

Closure **14** comprises a light translucent panel **22** carried by a frame **24**. Said frame extends laterally beyond the peripheral side wall **25** of the housing so as to overlap the portion of the ceiling around the opening in the recess in which the fixture is mounted, thus providing a trim member for the fixture as well as a mount for the panel **22**.

Closure member **14** is provided with a hinge **26** which comprises the hinge member **27** fixed to frame **24** and hinge member **27***a* releasably and adjustably secured to

the side wall of the housing by screws **28**. Slots **30** (Figs. 1 and 4) are provided in hinge member **27***a* and extend transversely thereof in spaced relation. Said slots have laterally offset portions **30***a* and **30***b* for positioning the fastening screws **28** for adjusting hinge member **27** toward and away from the outer edge **31** of the housing at the opening. Screws **28** pass through said slots into threaded openings **29** in the wall of the lamp housing. In the form shown slots **30** provide for three definite positions of closure **14** in the closed position thereof in relation to the ceiling C (Fig. 2). More particularly, when the hinge member **27***a* is positioned so that the fastening screws **28** are at the lower ends of slot portions **30***a*, closure **14** is nearest edge **31** of the housing as shown in full lines in Fig. 2, and when the hinge member is positioned so that the fastening screws are at the upper ends of slot portions **30***a*, the closure **14** is farthest from said edge **31**, as shown in dotted lines in Fig. 2, and when the hinge member is positioned so that the screws **28** are midway of the lower and upper ends of slot portions **30***a*, i.e. adjacent the slot portions **30***b*, the closure is at an intermediate position. It will be understood that the heads of screws **28** when forced into engagement with hinge member **27***a* clamp the latter against the housing wall for releasably securing the closure **14** in its adjusted position. Slot portions **30***b*, are slightly larger than the heads of screws **28**, to provide means for removing the closure **14** from the housing without removing screws **28** from the housing wall.

Provision is made for releasably securing the free end of closure **14** to the housing in positions corresponding to the adjusted positions, respectively, of the closure so that the latter in each adjusted position will be in a plane parallel to the plane of the housing opening defined by the peripheral edge **31**. For this purpose a latch pin **33** is attached to closure **14** on the inner side of frame **24** for engagement with an apertured catch **32** on the side wall of the housing interiorly thereof. Latch pin **33** is notched to provide the spaced notches **33***a*, **33***b* and **33***c* for respective engagement by the edge of catch **32** at the aperture thereof when latch pin **31** is projected into said aperture upon moving the closure to closed position. Thus, the closure **14** is not only adjustable at its hinged end but is also adjustable at its opposite end which is releasably secured to the housing.

Flange members **34** of frame **14** provide means for releasably holding panel **22** in proper position in said frame. More particularly, said flanges outline an opening for the insertion of the glass panel **22** into the frame at the inner side of the latter, as illustrated by Figs. 1 and 2, and tabs **36** struck out from said flanges are bendable over the marginal edge portions of the glass panel for releasably securing the latter in the frame. It will be understood that the glass panel **22** may be removed by reversely bending the tabs **36** and that a substitute panel may be inserted in the frame and held in position by bending the tabs over the panel.

A reflector **38** is removably mounted in the lamp housing. As may be seen in Figs. 1 and 2, the reflector is supported in the housing at one side by wing nuts **40** which hold socket plate **20** to the housing and is supported at its opposite side by the pivotally movable support member **42** mounted on the housing wall. When it is desired to mount the reflector in the housing, member **42** is moved into slot **44** thereby giving the clearance necessary to properly position the reflector. After the reflector is properly positioned in the housing, support **42** is moved out of slot **44** to a position under the edge of the reflector, as shown in Fig. 1, to support the reflector.

Openings **46** in the walls of the housing are for screws which hold the housing to the walls of the recess.

Although the invention has been described in detail

with respect to one preferred embodiment thereof, it will be understood by those skilled in the art that various changes and modifications may be made without departing from the spirit of the invention and the scope of the appended claims.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A light fixture, comprising a lamp housing adapted to be mounted in a ceiling recess and provided with a lamp support therein, said housing having a peripheral wall terminating in an edge portion defining an opening in the housing, a light transmitting closure for said opening, hinge means connecting said closure to said housing for pivotal movement to and from a closed position and to and from a retracted position to provide access to the interior of the housing through said opening, said closure having an outer marginal part extending laterally beyond said edge portion of said housing wall for providing a trim member to overlap the ceiling around said recess when the housing is mounted therein, means for securing said hinge means adjustably to the housing for disposing said closure in correspondingly adjusted positions in each of a plurality of planes, respectively, parallel to the plane of said housing opening, and adjustable means for releasably securing the closure in closed position in any one of said planes, said last mentioned securing means comprising a catch member on said housing wall and a latch member comprising a pin projecting from said closure transversely of the closure plane and into said housing when the closure is in closed position, said pin having a plurality of notches spaced longitudinally of the pin and forming a plurality of catch engageable portions respectively engageable with said catch according to the adjusted positions, respectively, of said hinge, said catch having an aperture into which said pin projects and said catch having an internal edge portion at said aperture engageable in said notches respectively of said pin.

2. A light fixture, comprising a lamp housing adapted to be mounted in a ceiling recess and provided with a lamp support therein, said housing having a peripheral wall terminating in an edge portion defining an opening in the housing, a light transmitting closure for said opening, hinge means connecting said closure to said housing

for pivotal movement to and from a closed position and to and from a retracted position to provide access to the interior of the housing through said opening, said closure having an outer marginal part extending laterally beyond said edge portion of said housing wall for providing a trim member to overlap the ceiling around said recess when the housing is mounted therein, means for securing said hinge means adjustably to the housing for disposing said closure in correspondingly adjusted positions in each of a plurality of planes, respectively, parallel to the plane of said housing opening, said adjustable hinge securing means comprising a hinge member provided with transversely extending openings and fastening means projecting through said openings at selectively variable positions therein, and engaging said hinge member and said housing wall for releasably securing the hinge member to the housing in each adjusted position and adjustable means for releasably securing the closure in closed position in any one of said planes, said last mentioned securing means comprising a catch member on said housing wall and a latch member comprising a pin projecting from said closure transversely of the closure plane and into said housing when the closure is in closed position, said pin having a plurality of notches spaced longitudinally of the pin and forming a plurality of catch engageable portions respectively engageable with said catch according to the adjusted positions, respectively, of said hinge, said catch having an aperture into which said pin projects and said catch having an internal edge portion at said aperture engageable in said notches respectively of said pin.

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