

Jan. 7, 1930.

H. D'OLIER, JR

1,742,438

CEILING LIGHTING FIXTURE

Filed July 29, 1925

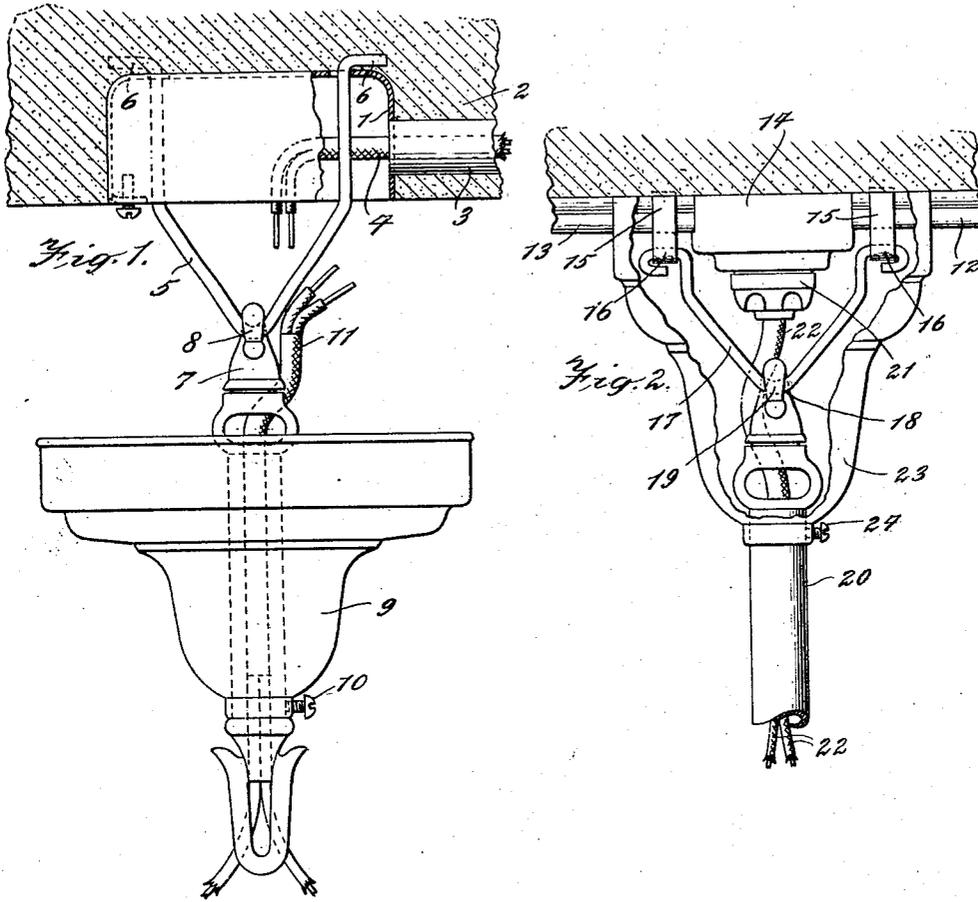
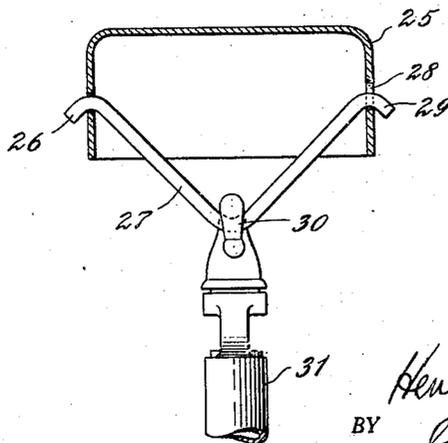


Fig. 3.



INVENTOR.
Henry D'Oliver Jr
BY Gifford & Hull
His ATTORNEYS.

UNITED STATES PATENT OFFICE

HENRY D'OLIER, JR., OF BRIDGEPORT, CONNECTICUT

CEILING-LIGHTING FIXTURE

Application filed July 29, 1925. Serial No. 46,728.

My invention relates to ceiling lighting fixtures and particularly to means for supporting the light carrying member.

In ceiling lighting fixtures it has been the practice heretofore to attach the light supporting member to the junction box or outlet box by means of a rigid mechanical joint. Ordinarily this has been done by providing a rigid boss or other projection on the outlet box and attaching the light supporting member thereto by screw threads. This necessitates considerable skill and often much time and labor and is therefore relatively expensive.

I have devised a means whereby the lamp supporting member may be supported by the outlet box, conduit member or other convenient part without the skill and expense above mentioned and with as good or better results as heretofore secured.

My invention will be better understood by reading the following description taken in connection with the accompanying drawings forming a part thereof and in which:

Fig. 1 is a view showing certain parts in section and others in elevation of a device embodying my invention.

Fig. 2 is a view showing an elevation of a device embodying my invention, certain parts being cut away.

Fig. 3 is a view showing an elevation of a further modification of the invention.

Referring to Fig. 1 of the drawings, a junction box or outlet box 1 is shown embedded flush with the ceiling material 2. The box 1 may take any form and size desired, depending upon the particular circuit to be accommodated. A conduit 3 opens into the box 1 and wires 4 extend through the conduit 3 into the box in the usual way.

A wire rod 5 or a member of other suitable material is fastened in the box 1 by having its ends extend up through openings in the box. The ends 6 are bent sidewise so as to properly secure the rod 5 in position. The rod 5 is bent into a general U shape and it will be noted that it is non-rigidly attached to or carried by the box. The light supporting member 7 is provided with a hook 8 which is placed over the loop in the rod 5 and the mem-

ber 7 and the lights are carried thereby. The member 7 may be of any desired form or design and is provided with a canopy 9 of usual construction, which, when moved upwardly and locked in position by the screw 10, conceals the various parts including the union between the wires 4 of the conduit and the wires 11 which lead to the lamps carried by member 7. All that is required in attaching the lights to the circuit in the arrangement above described is that of merely hooking the hook 8 over the rod 5, attaching the wires 11 to the wires 4 and the placing of the canopy up against the ceiling and tightening the screw 10. Obviously this may be done by an unskilled workman without the necessity of using any tools other than a screw-driver.

In Fig. 2 I have shown a different type of fixture but the principle thereof is substantially the same as that already described. In this form of the invention surface conduits 12 and 13 are attached to the ceiling. A socket member 14 is also attached to the ceiling. Bands 15 of metal or other suitable material are slipped on to the conduits 12 and 13, respectively, before the same are fastened up against the socket member 14. The supports 15 are provided with loop portions 16 which extend below the conduits 12 and 13 and a wire rod 17 or a similar member of other suitable material is attached to said members 15 by passing the ends of the rod through the loops 16 and bending them over as shown in Fig. 2. By this arrangement a loop 18 is provided, on to which may be placed the hook 19 which is attached to the light supporting member 20. Wires (not shown) are connected with the terminals of the socket 14 in the usual way and a plug 21 to which are attached wires 22, leading to the lights, may be plugged into the socket so as to complete the circuit to the lamps carried by the member 20. A canopy 23 is also carried by the member 20 and when moved to the position shown, conceals the various parts heretofore described. The canopy is held in position by the screw 24. It also has portions cut away to permit the conduits 12 and 13 to pass through, whereupon the canopy fits snug against the ceiling.

In Fig. 3 I have shown a modification of the invention in which a box 25 has in one side a round opening through which the end 26 of the supporting member 27 extends, and the other side has an oblong opening 28 through which the curved end 29 of member 27 may be placed after the end 26 has been passed through the opening on the left hand side of the box. This arrangement permits of the ready removal of the member 27 from the box if such removal is desired. A hook 30 on the light supporting member 31 is placed over the member 27 in the same manner and for the same purpose above described.

By the provision of the above simple means, the light supporting member of a ceiling fixture may be placed in or removed from position very easily and without the requirement of any substantial skill or expense, and at the same time all of the advantages and benefits secured by the constructions as heretofore used.

Slight changes may be made in the details without departing from my invention, as for instance, the hook may be placed on the member 5 and the loop on the lamp supporting member.

I claim:

1. In a ceiling lighting fixture, the combination of an outlet box, a loop member having its ends passing through the walls of the outlet box and supported thereby, and a lighting fixture having a hook thereon adapted to cooperate with said loop member and be supported thereby.

2. In a ceiling lighting fixture, the combination of an outlet box, a loop member having its ends passing freely through the walls of said outlet box and supported thereby, a lighting fixture conduit having a hook thereon adapted to cooperate with said loop member and be supported thereby and a canopy carried by said conduit.

HENRY D'OLIER, JR.

45

50

55

60

65