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J. A. HOEGGER
TUBULAR LIGHTING FIXTURE

1,997,687

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Fig. 1

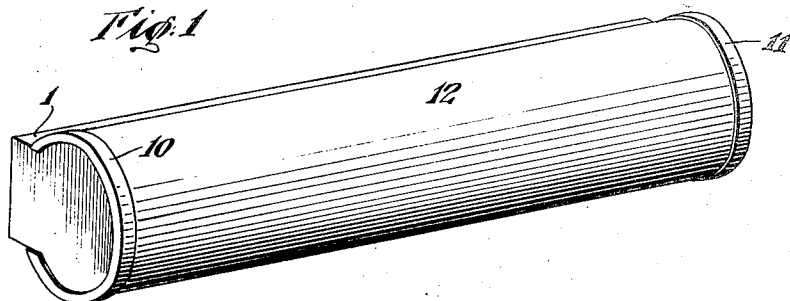


Fig. 2

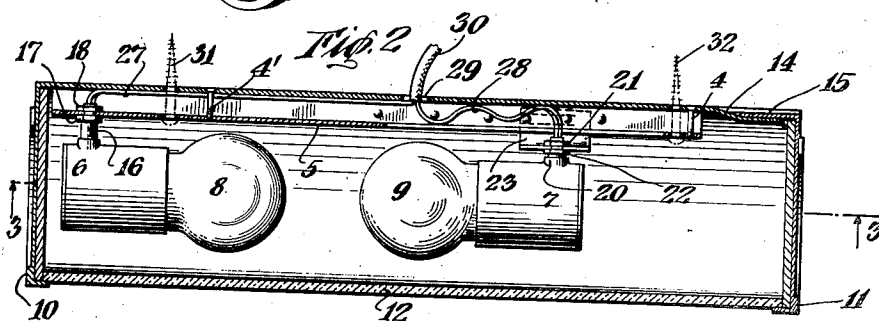


Fig. 3

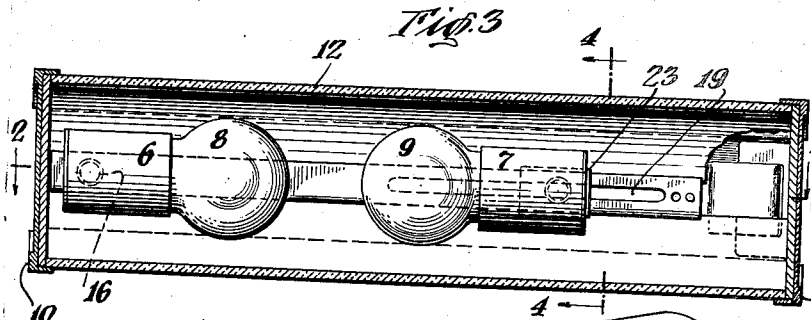


Fig. 4

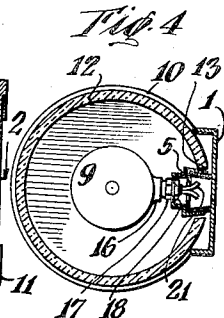
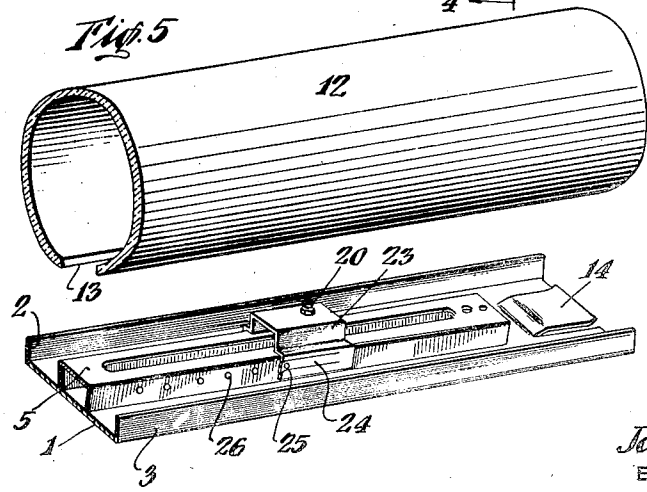
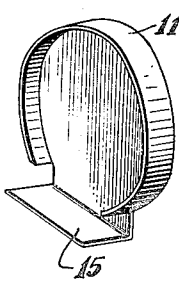


Fig. 5



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TUBULAR LIGHTING FIXTURE

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8 Claims. (Cl. 240—6)

This invention relates to lighting fixtures and has for one of its objects to provide a readily assembled and disassembled casing for housing one or more lamps, the casing to include a translucent light diffuser.

Another object is to provide such a fixture that will be compact and ornamental in appearance and which will be suitable for a wide range of use, such as for home interiors, bathroom and merchandise display purposes.

With the foregoing and other objects in view, the invention resides in the combination of parts and in the details of construction hereinafter set forth in the following specification and appended claims, certain embodiments thereof being illustrated in the accompanying drawing, in which:

Figure 1 is a view in perspective of the assembled lighting fixture;

Figure 2 is a view in longitudinal section through the casing taken along line 2—2 of Figure 3;

Figure 3 is a view in longitudinal section through the casing taken along lines 3—3 of Figure 2;

Figure 4 is a view in cross section through the casing taken along line 4—4 of Figure 3;

Figure 5 is a view in perspective of a disassembled fixture showing a portion of the outlet box, the cylindrical tube and the removable end of the casing separately.

Referring more particularly to the drawing, the device consists generally of an outlet box or channelled frame 1 and side walls 2 and 3. Rigidly secured by removable screws 4 and 4' is a center piece 5 which is preferably hollow. To this center portion may be secured by any suitable means one or more lamp sockets 6 and 7 for receiving lamps 8 and 9, respectively.

At each end of the casing there may be provided ornamental metallic cap pieces 10 and 11 for fitting over the edges of a translucent cylindrical light diffuser 12. This cylinder 12 may be substantially cylindrical or of any other desired shape and formed with a slot 13 extending throughout its length. The slot 13 is preferably of such a width as to be substantially narrower than the light sockets and lamps and just wide enough to allow the cylinder parts adjacent the slot to rest on the bottom of the outlet box on either side of the center portion 5. Although the light fixture in detail may assume any one of several forms, in the preferred embodiment the cap piece 10 is integral with the frame 1, where-

as the other cap piece 11 is removably secured thereto.

In order to make the device readily assembled and disassembled, I prefer to form the channelled frame at one end with a cut-out and upwardly bent portion 14 which acts as a spring clip device for receiving the flange 15 of the cap piece 11. Thus as the cylinder is fitted in place about the center portion 5 and slid along until one end of the cylinder fits within the flanges of the cap piece 10, the cap piece 11 may then be applied so as to engage the other end of the cylinder 12 while the spring clip 14 and flange 15 keep the cap 11 and the whole device together.

As previously stated, the lamp socket may be secured to the center portion either permanently or removably, or adjustably or non-adjustably. In the preferred embodiment and for the sake of simplicity, I have shown the lamp socket 6 as comprising a stem 16 extending through the top wall of the center portion 5 to which it may be secured by means of nuts 17 and 18. The other lamp socket 7 may be similarly secured to the center portion 5 and arranged at the opposite end of any intermediate point with respect to the length of the casing. However, in the particular embodiment shown in the drawing the center portion may have its top wall slotted at 19. The lamp socket having a stem 20 may be secured by means of nuts 21, 22 to a member 23 snugly but slidably fitting over the center portion 5. This slidable member may be provided with a cut-out spring-like clip portion 24 and provided with a protuberance 25 for engaging notches 26 in the side walls of the center portion 5. The lead wires for the lamp socket 6 are shown at 27 and the lead wires for lamp socket 7 are shown at 28. These two sets of wires may lead to a common outlet 29 in the bottom of the channelled frame and be merged into a common cable 30. It will be understood that both of the lamp sockets may be secured to the casing, the same as shown in connection with lamp socket 6 or lamp socket 7, whichever may be desired.

In order to disassemble the device it is merely necessary to pull off the cap piece 11 and then remove the cylinder 12 by pulling it from that end of the casing. Free access may then be had to the lamps, lamp sockets and the remainder of the device. The entire lighting fixture may be secured in any desired manner, there being shown in the drawing suitable screws 31, 32 which pass through the center portion 5 and out through the bottom of the channelled frame so as to engage the wall to which it is desired to affix the

lighting fixture. When the lighting fixture is secured in this or any similar manner, all that is visible from the exterior are the ornamental end cap pieces, the translucent cylindrical light diffuser and the side walls of the ornamental channelled frame. This makes for the very compact and ornamental fixture which is particularly adaptable for use for home interiors, bathrooms, merchandise display and various other uses. The interior of the casing may be readily inspected by a very simple manual manipulation involving the removal of one end cap piece and the cylinder which may be effected without touching any bolts, nuts, screws or the like which are completely hidden from view when the fixture is in assembled condition.

I claim:

1. In a lighting fixture, a channelled frame, a pair of end cap pieces secured thereto, one of said cap pieces being removable therefrom, a lamp socket secured to said frame and a translucent light diffuser fitting about said socket and removably held in place within said channelled frame by said cap pieces, said frame being recessed near one of its ends to form a spring-like clip adapted to releasably engage a flange of said removable cap piece or for holding the latter in place when said fixture is assembled.

2. A light fixture comprising a channelled frame, a centrally located longitudinal member secured to said channelled frame, a pair of lamp sockets secured to said central portion, lead wires from said socket extending through an opening in said frame, a pair of end caps one of which is frictionally and removably held by a spring clip portion formed in said channelled frame, a longitudinally extending translucent light diffuser formed with a recess and adapted to fit within the confines of said cap pieces and adapted to be longitudinally withdrawn from the casing after said removable cap piece has been removed.

3. A light fixture comprising a channelled frame, a centrally located longitudinal member secured to said channelled frame, a pair of lamp sockets secured to said central portion, lead wires from said socket extending through an opening in said frame, a pair of end caps one of which is frictionally and removably held by a spring clip portion formed in said channelled frame, a longitudinally extending translucent light diffuser formed with a recess and adapted to be longitudinally withdrawn from the casing after said removable cap piece has been removed, one of said lamp sockets being so secured to said central portion as to be adjustable longitudinally thereon.

4. In a lighting fixture, a channelled frame, a pair of end cap pieces secured thereto, one of said cap pieces being removable therefrom, a lamp socket secured to said frame and a translucent light diffuser fitting about said socket and removably held in place within said channelled frame by said cap pieces, all of the attachment devices with the exception of the end caps being concealed from view when the fixture is assembled and secured to a suitable base.

5. In a lighting fixture, a channelled frame,

a pair of end cap pieces secured thereto, one of said cap pieces being removable therefrom, a lamp socket secured to said frame and a translucent light diffuser fitting about said socket and removably held in place within said channelled frame by said cap pieces, said frame being recessed near one of its ends to form a spring-like clip adapted to releasably engage a flange of said removable cap piece or for holding the latter in place when said fixture is assembled, all of the attachment devices with the exception of the end caps being concealed from view when the fixture is assembled and secured to a suitable base.

6. A light fixture comprising a channelled frame, a centrally located longitudinal member secured to said channelled frame, a pair of lamp sockets secured to said central portion, lead wires from said socket extending through an opening in said frame, a pair of end caps one of which is frictionally and removably held by a spring clip portion formed in said channelled frame, a longitudinally extending translucent light diffuser formed with a recess and adapted to fit within the confines of said cap pieces and adapted to be longitudinally withdrawn from the casing after said removable cap piece has been removed, all of the attachment devices with the exception of the end caps being concealed from view when the fixture is assembled and secured to a suitable base.

7. A light fixture comprising a channelled frame, a centrally located longitudinal member secured to said channelled frame, a pair of lamp sockets secured to said central portion, lead wires from said socket extending through an opening in said frame, a pair of end caps one of which is frictionally and removably held by a spring clip portion formed in said channelled frame, a longitudinally extending translucent light diffuser formed with a recess and adapted to be longitudinally withdrawn from the casing after said removable cap piece has been removed, one of said lamp sockets being so secured to said central portion as to be adjustable longitudinally thereon, all of the attachment devices with the exception of the end caps being concealed from view when the fixture is assembled and secured to a suitable base.

8. In a lighting fixture, a frame adapted to be secured to a suitable wall base, a pair of end cap pieces secured thereto, one of said cap pieces being slidably removable therefrom, a lamp socket secured to said frame and a translucent light diffuser fitting about said socket so as to substantially envelope the same and slidably engage said frame to render it movable into place within and against said frame and engaged by and held in such place by both of said cap pieces, all of the attachment devices including that of the frame to the wall base and that of the cap pieces to the frame with the exception only of the end caps and said frame themselves being concealed from view when the fixture is assembled and secured to a suitable base.

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