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E. F. GUTH

1,753,374

BOWL HOLDING MEANS FOR LIGHTING FIXTURES

Filed June 13, 1928

Fig. 1

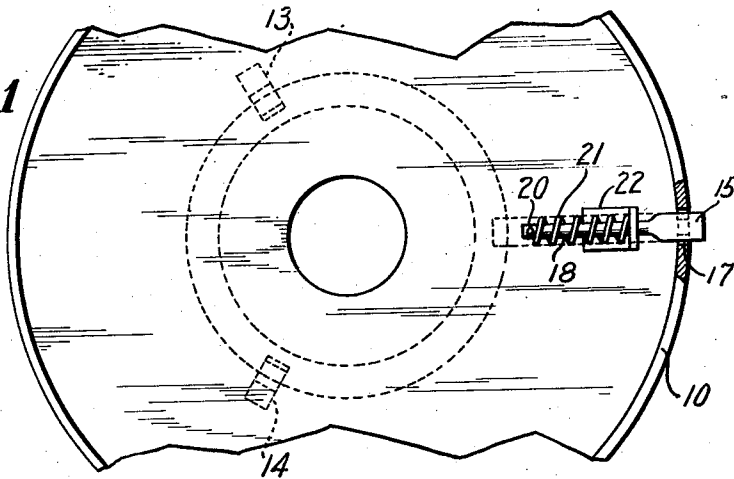


Fig. 2

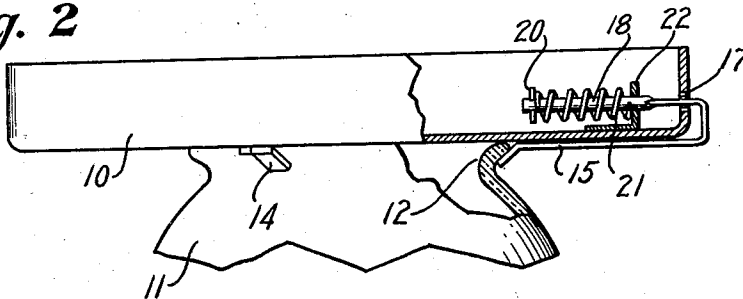
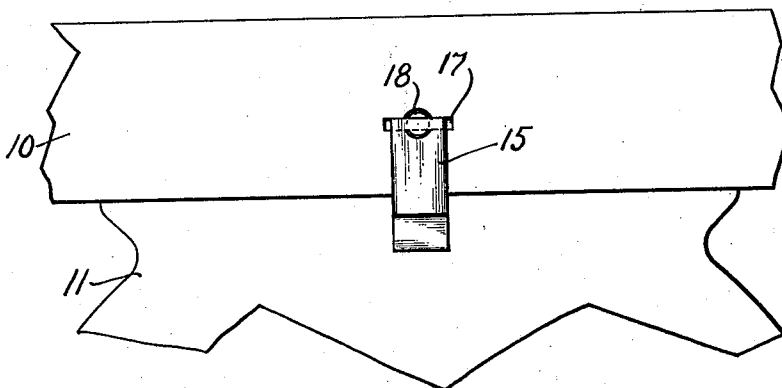


Fig. 3



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BOWL-HOLDING MEANS FOR LIGHTING FIXTURES

Application filed June 13, 1928. Serial No. 284,930.

My invention relates to the art of illumination and particularly to lighting fixtures employing a reflector and diffusion bowl, and has for its object to provide a simple, strong, durable, inexpensive and adequate, means for holding the bowl in proper position to the reflector.

A further object is to provide such a means in a construction that will permit of the bowl being easily and quickly attached or detached from the fixture.

This invention is a modification of the invention disclosed in my Patent No. 1,663,653, issued to me by the United States on the 27th day of March, 1928.

My invention consists of certain details of construction hereinafter set forth, pointed out in my claim and illustrated in the accompanying drawings in which—

Fig. 1 shows a plan view of a portion of a reflector adapted for use in my construction;

Fig. 2 shows a side elevation view, partially in section, of a reflector, bowl, and my bowl holding means; and

Fig. 3 is a fragmentary detail view of an end elevation of the spring-actuated bowl-holding clip.

Referring to the accompanying drawings the reference numeral 10 is used to indicate a reflector, preferably substantially flat on its reflecting surface, and the numeral 11 indicates a bowl to be attached to the reflector. The bowl I employ is of the usual type with a lip 12 moulded on its upper extremity, the lip flaring outwardly as shown. Obviously the opening at the upper part of the bowl is circular in conformation. The numerals 13, 14 and 15 indicate bowl holding clips or lugs, the clips 13 and 14 being rigidly affixed to the under surface of reflector and having downwardly and inwardly projecting body portions as shown.

The clip 15 is preferably U-shaped in conformation and spring-actuated, and extends from a yieldable contact with the globe 11,

outwardly to the side of the reflector 10, thence curves upwardly and rearwardly, passing through the orifice 17 in the reflector 10 and terminating in a shaft 18, provided with a pin 20, the shaft passing through an orifice in a bracket 22 rigidly affixed to the upper surface of the reflector 10. A coil spring 21 surrounds the shaft 18, its outer end abutting against the inner surface of the bracket 22, and its other end abutting against a pin 20 secured to the shaft 18, as shown.

The construction of the clip 15, and its mounting as described, is such that the clip is normally held at its inner position by the tension of the spring 21, but can be forced, in a slidable motion, longitudinally, outwardly, against the compression of the spring.

In practical operation a bowl 11 being desired to be attached to the reflector 10, the lip of the bowl is inserted between the lower surface of the reflector and the clip 15. Pressure is then put upon the bowl to force the clip 15 outwardly until the bowl has reached a position where the lip will be permitted to come in complete contact with the lower surface of the reflector, it having passed the points where the lugs 13 and 14 would interfere with this. The bowl is then moved until the lip is flush with the reflector and the pressure on the bowl is then removed, the tension of the spring being sufficient to force the clip 15 inwardly thereby seating the lip of the bowl between the clips 13 and 14 and the under surface of the reflector. Obviously these clips 13, 14 and 15 are all positioned to function in this manner.

Minor changes, such as a greater number of retaining clips, or a plurality of spring actuated retaining clips, and other changes, may be made in my construction without altering the spirit of my invention, the drawings illustrating simply a preferred construction, and I do not wish to be understood as limiting the scope of my invention, except as by the appended claim.

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

In a device of the character described, the
5 combination, with a reflector and a bowl having a lip formed thereon, of a plurality of fixed lugs secured to the reflector to engage the lip of said bowl, there being an opening
10 in the side of said reflector, a spring-actuated shaft mounted on the upper side of the reflector, the end of said shaft extending outwardly through said opening, thence downwardly and inwardly and forming a retaining clip,
15 and having a spring mounted to hold said clip normally in engagement with said lip.

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