Feb. 26, 1929. 1,703,698

J. F. WHELAN

ELECTRIC LAMP

Filed Dec. 6, 1927

Fig. 1

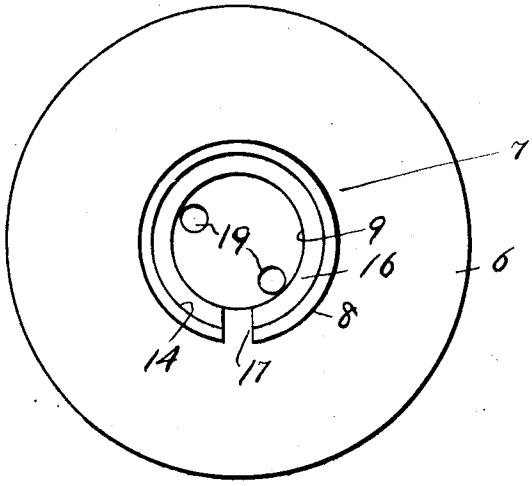


Fig. 2

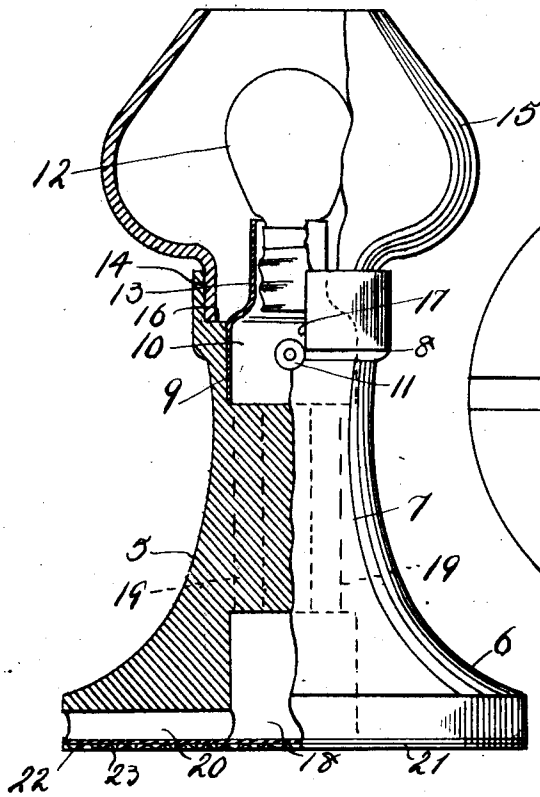
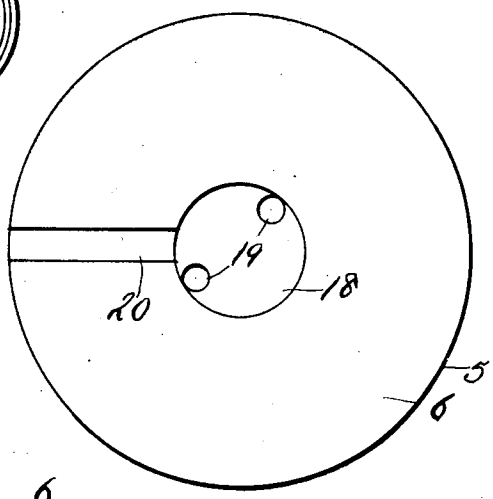


Fig. 3.



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UNITED STATES PATENT OFFICE.

JAMES F. WHELAN, OF PHILADELPHIA, PENNSYLVANIA.

ELECTRIC LAMP.

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My invention relates to new and useful improvements in an electric lamp and has for its primary objects to provide a simple and effective device of this character wherein the standard is so constructed as to substantially enclose the electric lamp socket and provide a holder for the lamp shade.

Another object of the invention is to provide an electric lamp standard, the upper end of which is socketed to provide a holder for a lamp shade and a chamber in which the electric fixture such as a lamp socket or a combined lamp socket and switch is mounted so as to be practically concealed from view.

A further object of my invention is to provide the upper end of a lamp standard with a bore and counter bore extending downwardly or inwardly a suitable distance to form a chamber for an electric fixture and a holder for a shade, the wall in the region of said bore and counter bore being slotted for the reception of a switch actuating element such as a key, said slot also permitting expansion and contraction of the shade holder so as to snugly fit said shade.

A still further object of the invention is to produce a lamp standard including a base, an intermediate body, and a head, the latter having a bore and counter bore formed therein with a hole or holes leading from the bore to an opening in the bottom of the standard, said opening having a groove leading from one side thereof to the periphery of the base and a bottom covering for the base to close the lower end of the opening and a portion of the groove.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to use and make the same, I will describe its construction in detail, referring by numerals to the accompanying drawings, forming a part of this application, in which:

Fig. 1, is a top plan view of the lamp standard per se constructed in accordance with my invention.

Fig. 2, is a vertical sectional view with parts left in elevation and a portion of the switch operating mechanism or key broken away.

Fig. 3, is a bottom plan view without the base covering.

In carrying out my invention as herein embodied, 5 represents the lamp standard preferably, although not essentially, including an enlarged base 6, a body or upright 7, and a head 8.

The standard has a bore 9 extending inwardly or downwardly a distance substantially equal to the height of an electric fixture 10 so that when the fixture is mounted in the bore it will be practically concealed from view. The electric fixture 10 is an electric lamp socket or a combination lamp socket and switch, and in the latter case includes a switch operating element here shown as a key 11 of any desirable or well-known construction.

The electric fixture is to receive the lamp 12 and said fixture is surrounded by a jacket 13 of insulating material to cover any parts that might be otherwise exposed and to electrically insulate the fixture and component parts from the standard where the latter is of metal. This jacket is long or high enough to engage the lamp 12 when the latter is in place so as to eliminate any opening to the interior of said jacket and prevent access thereto. When constructed in this manner nothing can fall into the jacket that might cause a short-circuit or damage the fixture.

Concentric with the bore 9 is a counter bore 14 forming a holder for the lamp shade 15 and the difference in the diameters of said bore and counter bore provides a shoulder 16 on which the lower edge of the shade neck rests.

The head 8 or the upper end of the standard in the region of the counter bore is provided with a vertical slot 17, the upper end of which is open while the lower closed end terminates approximately at the line of connection between the body and head or at the point determined by the position of the switch operating element 11 when the electric fixture is placed in the bore 9. The slot 17 in addition to receiving the switch operating element permits the wall of the head or upper end of the standard to yield when the shade is inserted in the holder and thus frictionally hold said shade in place.

In the base or lower end of the standard is formed an opening 18, which communicates through one or more openings 19 with the

bore 9 and in said base or lower end of the standard is also produced a groove 20 running from the opening 18 to the circumference or side surface of the base or standard. The groove 20, the opening 18 and the holes 19 receive the conductors or wires (not shown) of the ordinary cord or an equivalent which carries the electrical energy from a source of supply to the electrical fixture 10, and the outer or lower end of the opening 18 and the open side of the groove 20 are closed or covered by a covering 21 usually consisting of a stiffener 22 of card board or the like and a textile fabric or other soft material 23 such as felt.

A lamp constructed as above described provides a standard having a chamber to conceal an electrical fixture and a shade holder in a unitary structure since said shade holder is formed as an integral part of the standard.

Of course I do not wish to be limited to the exact details of construction as herein shown, as these may be varied within the limits of the appended claims without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is:

1. An electric lamp comprising, in combination, a standard including a base, a body and a head, said head and the upper end of the body having a bore therein, an electrical fixture comprising a combination lamp socket and switch fitted in said bore, said head having a counter-bore therein to form a shade holder and producing a shoulder, the wall of the head having a vertical slot to make said wall yieldable and to receive the switch operating element of the electrical switch, a lamp shade frictionally held in the head with its edge seated on the shoulder, said base having an opening and a groove therein, the latter running from the opening to the side surface of the base, said body having holes communicating with the opening and bore to receive wires passing through the groove and opening for connection to the electrical fixture, and a covering on the under face of the base and closing the lower end of the opening and a portion of the groove.

2. An electric lamp comprising, in combination, a standard including a base, a head and a body, said head and the upper end of the body having a bore therein, an electrical fixture comprising a combination lamp socket and switch fitted in said bore, said head also having a counter bore therein to form a shade holder to receive the neck of a shade, the wall of the head having a vertical slot to make said wall yieldable and to receive the switch operating element of the electrical switch, and means to connect the electrical fixture with a source of current.

3. A lamp standard having a head formed of one solid piece of material so as to provide a combination of two bores of different diameters to produce first a chamber, a socket seated in said chamber, a vertical wall projecting immediately above said chamber in spaced relation thereto and to the socket to form a second chamber for the reception of the neck of a lamp shade within the vertical wall.

4. An electric lamp comprising a standard including a base with the walls thereof converging to produce a body and a head surmounting said body, said head having a bore therein, a socket provided with a flat bottom resting flat upon the flat bottom of the bore, a vertical wall projecting above said bore in spaced relation to both the bore and the socket therein, said vertical wall producing a counterbore, and a lamp shade provided with a neck inserted in said counterbore between the vertical wall and the socket.

In testimony whereof, I have hereunto affixed my signature.

JAMES F. WHELAN.