

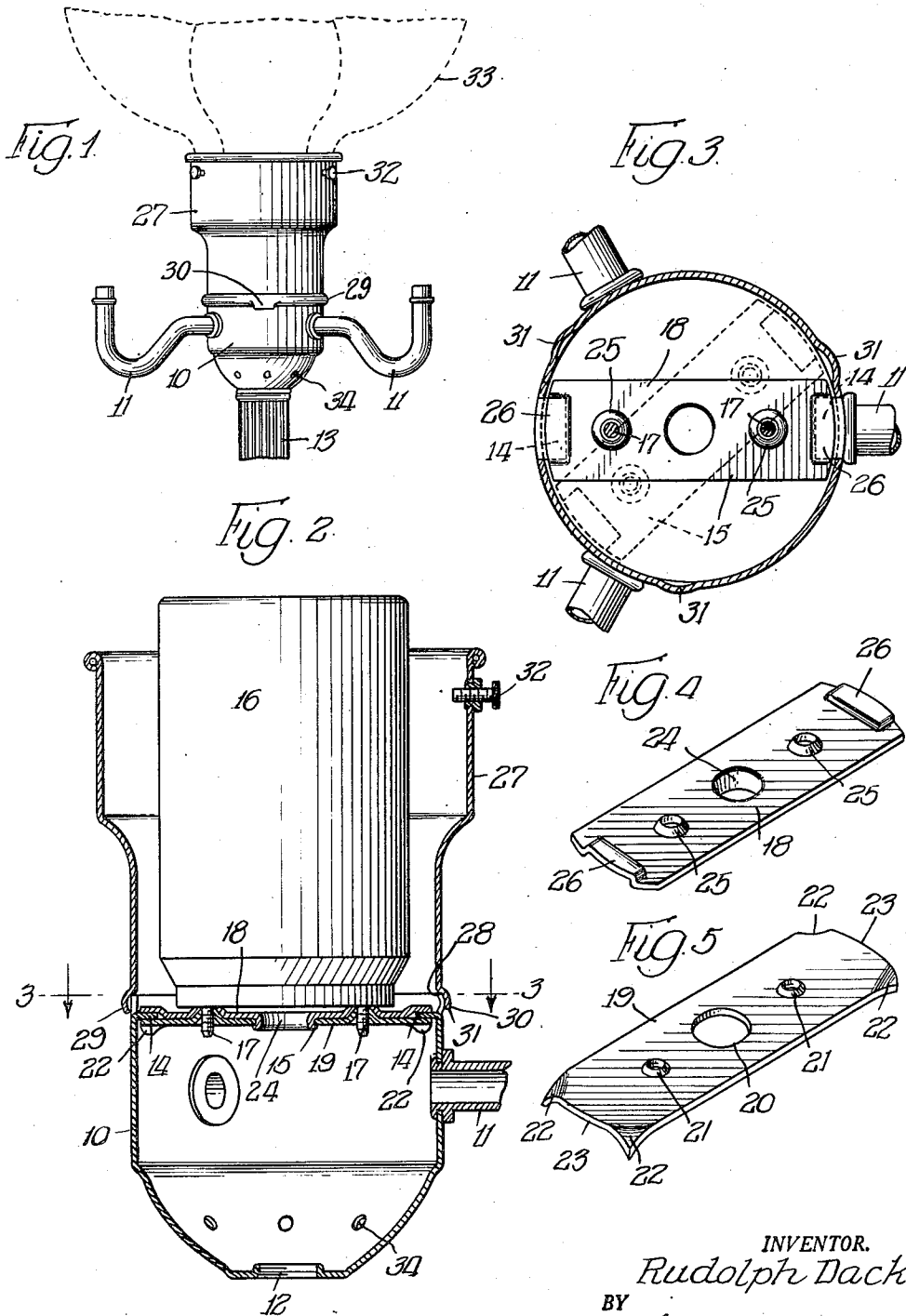
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HOLDER ASSEMBLY FOR REFLECTOR TYPE FLOOR LAMPS

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HOLDER ASSEMBLY FOR REFLECTOR TYPE
FLOOR LAMPS

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4 Claims. (Cl. 240—81)

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This invention has to do with reflector type floor lamps and is particularly concerned with improvements in the holder assemblies employed in such lamps.

An object of the invention is to provide an improved holder assembly which is inexpensive to manufacture, which is strong, rigid and durable and which may be very easily and quickly assembled and wired.

Another object of the invention is to provide a holder assembly wherein the reflector lamp socket is secured on a detachable mounting which is adapted to be rigidly connected to the body of the holder whereby the socket may be assembled with the body of the holder and secured in rigid position therein after the wiring is completed.

A more specific object of the invention is to provide in a holder assembly which comprises a body or base portion and a reflector lamp socket, a two-part detachable mounting bracket which is adapted to be initially loosely connected to the reflector socket and which is thereafter attached to mounting tongues provided in the body portion by relative rotation of the reflector socket and the body portion and secured thereto in rigid clamping relation.

These and other objects of the invention will be apparent to those skilled in the art upon a full understanding of the construction and arrangement of the parts of the preferred form of the holder assembly which is shown by way of illustration in the accompanying drawings, wherein:

Fig. 1 is a side view of a holder assembly embodying the principles of the invention;

Fig. 2 is a vertical section through the center of the assembly showing the reflector lamp socket in side elevation;

Fig. 3 is a horizontal section through the assembly, taken on the line 3—3 of Fig. 2; and

Figs. 4 and 5 are perspective views of the two strap members which form the mounting bracket for the reflector lamp socket.

Referring to the drawings, the holder assembly includes a hollow upwardly opening cup-shaped sheet metal body 10 which is provided with a plurality of radially extending tubular arms 11 for the reception of wires (not shown) leading to lamp sockets (not shown) on the outer ends of the arms. The body 10 is provided with an aperture 12 in the center of the bottom to permit it to be connected to a standard 13 which supports the assembly. Inturned tongues or lugs 14 are formed adjacent the top edge or rim of the

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body 10 and extend in opposed relation a short distance within the same to detachably receive a mounting bracket 15.

The mounting bracket 15 consists of a relatively narrow two-part strap member which is provided for supporting a centrally arranged upwardly opening reflector lamp socket 16. The socket 16, which may be of any suitable construction, is preferably secured to the strap 15 by means of screws 17 the threaded ends of which extend downwardly from the base thereof. The mounting strap 15 comprises two relatively narrow rectangular sheet metal members 18 and 19 (Figs. 4 and 5). The bottom member 19 is provided with a central aperture 20 and two laterally spaced apertures 21. The apertures 21 are threaded for engagement with the threaded ends of the screws 17. The corners of the bottom plate 19 are curved downwardly at 22 to more easily position the ends of the strap in encompassing relation with the tongues 14. The ends 23 of the bottom plate 19 are provided with a curvature approximately the same as the curvature of the body member 10. The top plate member 18 is centrally apertured and sleeved out at 24, the sleeved portion being passed through the aperture 20 in the lower plate 19 and turned over to loosely connect the members 18 and 19 (Fig. 2). The plate member 18 is provided with laterally disposed apertures 25 which are of sufficient diameter to pass threaded ends of the screws 17. The ends of the member 25 are given the curvature of the body member 10 and provided with recesses or socket formations 26 which are adapted to receive the inturned tongues 14 on the body member 10.

In assembling and wiring the holder, the mounting strap 15 is first loosely connected to the socket 16 by engaging the ends of screws 17 in the apertures 21. The assembly is then wired in the usual manner, the socket 16 being merely positioned relatively close to the body 10. After the wiring is completed the socket 16, with the strap member 15 loosely attached, is positioned relative to the body 10 as indicated in dotted lines in Fig. 3, so that upon rotation of the socket 16 the tongues 14 will enter between the ends of plates 18 and 19 and engage in the recesses 26 being guided by the downturned corners 22 of the bottom plate 19. The recesses 26 are of less depth than the thickness of the tongues 14 so that tongues 14 are rigidly clamped between the plates 18 and 19 by tightening the screws 17.

The holder assembly also includes a vertical removable sheet metal shell 27 which surrounds

the socket 16. The shell 27 is preferably the same diameter as the body 10 and is provided with an annular seat 28 adapted to engage the top edge of the body 10. An ornamental bead 29 is formed on the lower edge of the shell 27 and extends over the edge of the body 10. The bead 29 is provided with straight edge portions or openings 30 for receiving protuberances 31 on the body 10 to detachably secure the shell to the rim of the body. The shell 27 is attached to the body 10 by aligning the openings 30 with the protuberances 31 and moving the shell downwardly to position the protuberances in the internal groove formed by the bead 29 after which the shell is turned to provide interlocking engagement of the protuberances 31 in the groove. The shell 27 is provided with a lateral aperture (not shown) for accommodating a switch finger piece (not shown) extending from the side of the socket 16. The shell 27 is provided at its upper edge with a plurality of set screws 32 for locking engagement with a reflector bowl 33 carried by the shell.

The arrangement of the socket mounting strap 15 so that it may be initially loosely attached to the socket 16 provides initial accessibility of the parts for easy and rapid wiring of the assembly. When the wiring is completed, the assembly of the socket with the body 10 is completed by a simple rotative movement after which it is rigidly secured in position by merely tightening the screws 17. The strap 15 provides a rigid brace across the top of the body 10 while at the same time centering and rigidly mounting the socket 16. The strap 15 is relatively narrow so that it permits free circulation of air through the holes 34 in the base 10 and upwardly around the socket 16.

The mounting strap 15 is illustrated as flat but it may be bowed or provided with a raised center portion to position the socket 16 at any desired elevation relative to the base 10. Also a less expensive socket of smaller cross sectional diameter may be used with the strap 15 by providing threads in the aperture 24 of the top plate 18 for receiving the threaded lower end of a mounting stem conventionally provided in such a socket. In using the strap 15 with this type of socket shorter screws 17 would be provided which would not extend through the base of the socket but which would be accessible at the sides of the socket.

When the holder has been completely assembled and it is desired to disassemble the same the clamping screws 17 are loosened and the socket 16 is raised to withdraw the tongues 14 from the recesses 26 in the top plate 18 whereupon the socket 16 may be rotated to completely disengage the strap 15 from the tongues 14.

While specific details of construction and materials have been referred to in describing the illustrated form of the invention, it will be understood that other details of construction and other materials may be resorted to within the spirit of the invention.

I claim:

1. A holder assembly for lamps comprising an upwardly opening cup-shaped metal body having inturned tongues at opposite sides adjacent the top thereof, a horizontal strap adapted to extend between said tongues, a lamp socket mounted on the top of said strap, and a vertically removable

shell surrounding the socket with the lower edge of the shell detachably secured to the top of the body, said strap comprising two relatively narrow rectangular sheet metal members loosely connected together in superimposed relation with the ends thereof adapted to engage in clamping relation on opposite sides of said tongues, said members having aligned apertures therein, and a securing bolt passing through said apertures and clamping said plates to the bottom of said socket and to said tongues.

2. A holder assembly for lamps as recited in claim 1 and socket formations on the ends of said superimposed rectangular members for encompassing said inturned tongues on said body.

3. A holder assembly for reflector type floor lamps, characterized by a hollow upwardly opening cup-shaped body having a plurality of radially extending tubular arms for the reception of wires leading to lamp sockets on the outer ends of the arms and having inturned flange formations adjacent the top edge thereof, a relatively narrow horizontal strap having clamping formations on its ends adapted to be detachably connected in clamping relation to said flange formations on opposite sides of the body to form a rigid internal brace for the body, a centrally arranged upwardly opening reflector lamp socket, means for detachably securing the bottom of said socket to the top of the strap and for rigidly securing said clamping formations to said flange formations, and a vertically removable shell surrounding the lamp socket with the lower edge of the shell detachably secured to the top edge of the cup-shaped body.

4. In a holder assembly for reflector type floor lamps comprising a hollow upwardly opening cup-shaped body having a plurality of radially extending tubular arms for the reception of wires leading to lamp sockets on the outer ends of the arms and having oppositely disposed inturned lug formations adjacent its upper edge, a horizontal mounting strap extending between said lug formations, said strap comprising superimposed members arranged with the ends thereof adapted to be engaged in clamping relation with said lug formations, means for detachably securing said strap members in clamping relation with said lug formations, a centrally arranged upwardly opening lamp socket, means for securing said socket at its bottom to the top of said strap, and a vertically removable shell surrounding the lamp socket with the lower edge of the shell detachably secured to the upper edge of the cup-shaped body.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,126,267	Paiste	Jan. 26, 1915
2,160,157	Lebert et al.	May 30, 1939
2,252,434	Little	Aug. 12, 1941

FOREIGN PATENTS

Number	Country	Date
700,723	France	Jan. 2, 1931