Nov. 4, 1930. S. E. McADAMS ET AL 1,780,832

ELECTRIC LIGHT SOCKET

Original Filed June 4, 1928

Fig. 1.

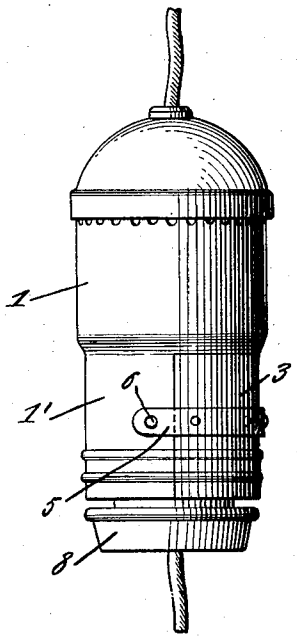


Fig. 2.

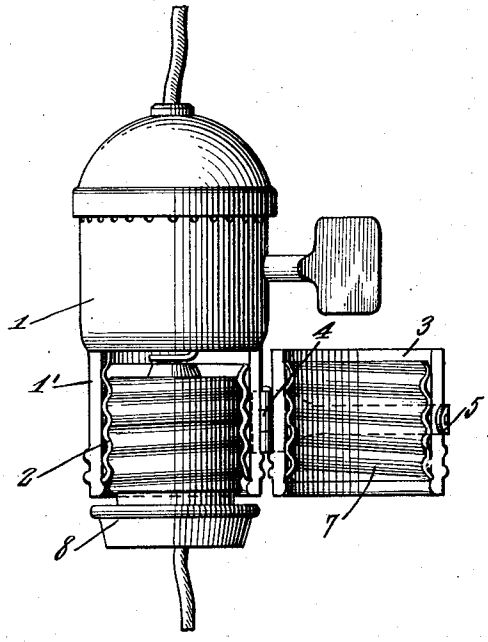
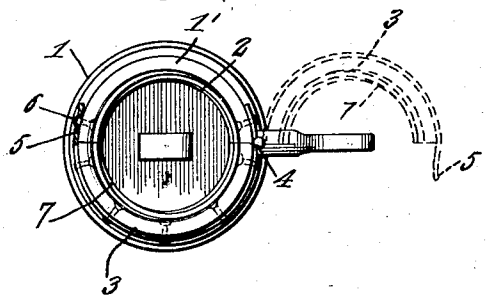


Fig. 3.



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Patented Nov. 4, 1930 1,780,832

UNITED STATES PATENT OFFICE

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ELECTRIC-LIGHT SOCKET

Application filed June 4, 1928, Serial No. 282,605. Renewed March 14, 1930.

This invention relates to an electric light socket, the general object of the invention being to form the socket with a hinged door so that the lamp bulb or plug can be easily placed in the socket when the door is opened without screwing the bulb or plug in the socket and then, by closing the door and latching the same, the parts are firmly connected together.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing our invention in detail reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is an elevation of the improved socket, showing a plug therein.

Figure 2 is a similar view, with the door open.

Figure 3 is a transverse sectional view.

In these views, the numeral 1 indicates the body of the socket which has its receiving part of semi-circular shape in cross section, as shown at 1′, with the threaded lining 2 also of semi-circular shape in cross section. A door 3, of semi-circular shape in cross section, is hingedly connected to the part 1′ by the hinge 4, a portion of which is connected with the part 1′ and the other part extends around the central portion of the door, with one end projecting from the free edge of the door to form a spring latch 5 which is adapted to engage a keeper member 6 on the part 1′. The door has attached to its interior face a semi-circular threaded member 7.

Thus it will be seen that when the door is closed, the lower part of the socket will be of circular shape or the shape of an ordinary socket to receive the threaded part of a plug 8 or the threaded part of a lamp bulb, with the threads of the plug or bulb engaging the threads of the parts 2 and 7.

This invention will enable a lamp bulb or plug to be easily and quickly inserted in the socket by opening the door and pressing the plug or threaded part of a bulb in the receiving part of the socket, with the threads engaging the threaded part 2 and then by closing the door, the plug or bulb is firmly held in the socket, with its central contact engaging the central contact of the socket.

This invention eliminates the screwing action necessary to place a plug or bulb in the ordinary socket.

It is thought from the foregoing description that the advantages and novel features of our invention will be readily apparent.

It is to be understood that we may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What we claim is:—

1. A socket of the class described having a receiving part of semi-circular shape in cross section and a door hinged to the socket, said door being of semi-circular shape in cross section and forming with the semi-circular part of the socket, when the door is closed, a complete circle for receiving a plug or lamb bulb, a threaded member of semi-circular shape in cross section in the semi-circular part of the socket and a similar member connected with the inner face of the door.

2. A socket of the class described having a receiving part of semi-circular shape in cross section and a door hinged to the socket, said door being of semi-circular shape in cross section and forming with the semi-circular part of the socket, when the door is closed, a complete circle for receiving a plug or lamp bulb, a threaded member of semi-circular shape in cross section in the semi-circular part of the socket, a similar member connected with the inner face of the door and latch

means for holding the door in closed position.

3. A socket for an electric light bulb or plug having an opening in its side for receiving the threaded part of the bulb or plug and a door hinged to the socket for closing the opening, said socket and door being internally threaded to receive the threads of the bulb or plug.

In testimony whereof we affix our signatures.

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