A. BOUCHERY.

LIGHTING FIXTURE.

APPLICATION FILED MAY 24, 1915.

1,257,973.

Patented Mar. 5, 1918.

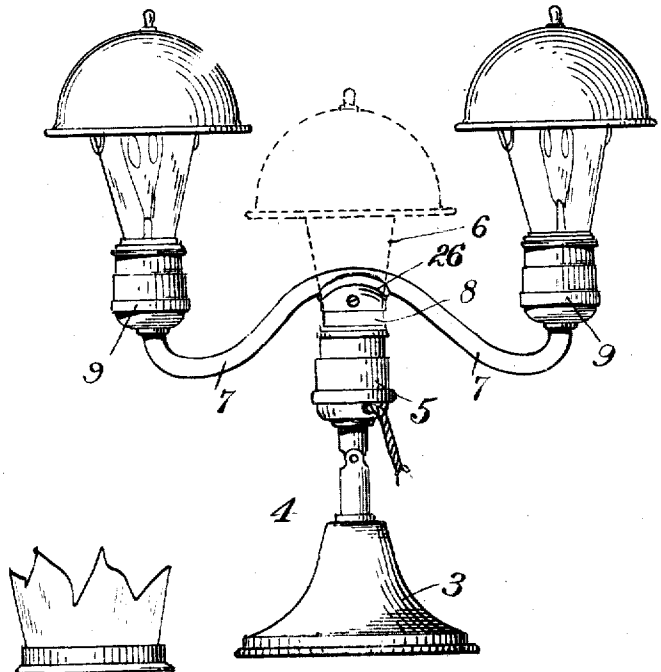


Fig. 1.

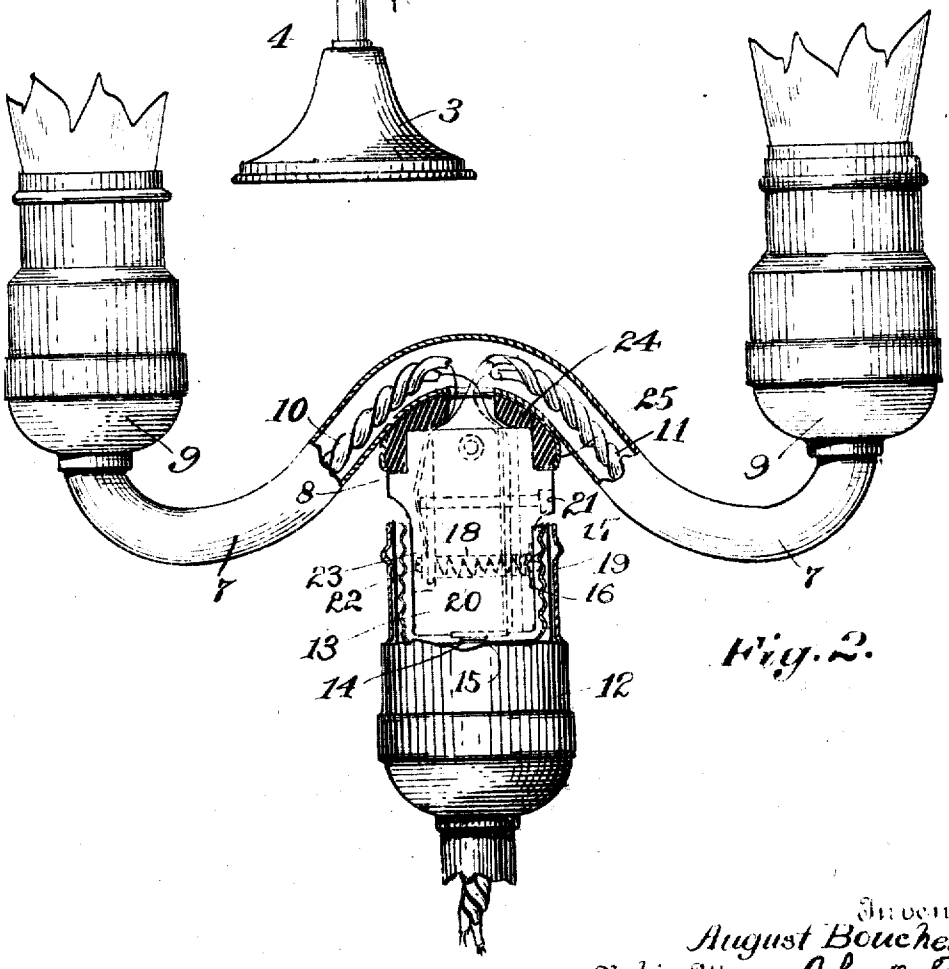


Fig. 2.

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LIGHTING-FIXTURE.

1,257,973. Specification of Letters Patent. Patented Mar. 5, 1918.

Application filed May 24, 1915. Serial No. 30,054.

To all whom it may concern:

Be it known that I, AUGUST BOUCHERY, a citizen of the United States, residing in the borough of Brooklyn, in the county of Kings, city and State of New York, have invented new and useful Improvements in Lighting-Fixtures, of which the following is a specification.

This invention relates to electric lighting fixtures, and it is the primary object of the invention to provide means to carry a lamp socket or sockets and having an electric connection plug, electrically connected with and common to all the sockets, whereby to support the socket or sockets and the socket carrying means by the plug from a connection in circuit with the source of current, and said plug being adapted to be connected to and disconnected from a connection in circuit with the source of current as a unit with the socket or sockets and the socket and plug carrying means.

Another object of the invention is to provide a fixture for a portable electric lamp stand whereby the stand may be adapted to carry a single lamp or a plurality of lamps.

In the drawing accompanying and forming a part of this specification Figure 1 is a side elevation of a portable electric lamp stand or fixture illustrating in full lines an embodiment of my invention applied thereto, and showing in dotted lines a lamp or bulb carried thereby in the ordinary use of the same; and

Fig. 2 is an enlarged side elevation of my improved fixture, said view being partly in section to illustrate the manner of electrically connecting the sockets to the plug and the connection of the socket carrying means to the plug, and showing the plug connected to and supported by a connection in circuit with the source of current.

Similar characters of reference designate like parts throughout the different views of the drawing.

In Fig. 1 of the drawing I have shown an embodiment of my invention in connection with a portable electric lamp stand comprising a base 3 having a stem or standard 4 to which is secured a lamp carrying socket 5. As this type of lamp stand as now constructed it is so constituted as to carry a single lamp socket to which a lamp or bulb shown in dotted lines, may be connected. To adapt such a lamp stand so that two more lamps or bulbs may be carried thereby and without changing the electrical installation or the structure of the stand itself, I provide a series of arms 7, shown in the present instance as two in number and preferably tubular, secured to and extending from an electric connection plug, shown in a general way at 8 in Fig. 1.

Secured to each of said arms, preferably the extremities thereof, is a lamp carrying socket 9. The plug 8 has positive and negative contacts as usual and is common to all of the sockets; that is, the lamp sockets are connected in circuit with said plug by current conductors 10 and 11 carried and concealed by the arms 7.

In Fig. 2 I have shown an embodiment of my invention in connection with a fixture, such as a socket 12, secured in permanent position as to a wall or carried by a bracket secured in permanent position, and in direct circuit with the source of current.

I have shown my invention in connection with a plug adapted to be connected to and disconnected from a socket by a longitudinal movement, although it will be obvious that any suitable connection plug may be utilized. In the present instance the plug consists of a block of insulating material 13 having a contact 14 centrally at one end to contact with the usual contact 15 in the socket, a longitudinal bore 16 in said plug communicating with a recess adjacent to contact 14. One conductor of each of the conductors 10 and 11 passes through said bore and are connected to the contact 14. The other contact of the plug consists of a member 17 in the nature of a shouldered plunger or ball movably mounted in a transverse bore 18 in the block and yieldingly forced out through an opening in an abutment 19, in the form of a washer or eyelet in one end of said bore, by a spring 20, said spring being retained in the bore by a metallic plate held in place by a screw 21 and in circuit with the member 17 through the spring, said plate having a binding post 22. The plate and binding post are located in a longitudinal recess 23 in the side of the plug 13, and to which binding post the other conductor or conductors 10 and 11 is connected. The yielding contact 17 is adapted to engage with the usual screw threaded contact shell in the socket to retain the plug therein. A cap 24 is removably connected, as by a screw, to the reduced end of the block, said

cap having a central opening for the passage of the conductors 10 and 11 and communicating with the longitudinal recess 23 and bore 16 in the block as well as with the interior of the arms 7.

The socket carrying arms 7 may be secured to the plug in any suitable manner. In the present instance a metallic cap 25 engages over the plug cap 24 and has portions to lap over the edges of the plug cap and portions thereof to engage the arm 7, as at 26 in Fig. 1, and secured thereto as by soldering.

It will be obvious that should a lamp stand, or a wall bracket, be constituted to carry a single lamp socket and consequently only one lamp or bulb that by removing such lamp my fixture with two or more lamps or bulbs may be readily applied as a unit thereto without any changes whatever in the electrical installation. It will also be obvious that my fixture may have only one lamp socket and the fixture utilized in connection with a permanently fixed socket or socket carrying fixture.

Variations may be resorted to within the scope of my invention.

Having thus described my invention, I claim:

1. In an electric lighting fixture, the combination with an electric connection plug, of a cap connected to the plug; tubular arms extending laterally from said cap and transverse to the axis of the plug; a socket connected to the end of each arm to extend in a plane parallel with the axis of the plug; and electric current conductors carried within said arms and electrically connecting the sockets with the plug, substantially as and for the purpose specified.

2. An electric lighting fixture comprising in combination a tube, a lamp carrying socket secured to each end of the tube, and an electric attachment plug fixed to said tube between its ends and electrically connected with the sockets through the tube.

3. In an electric lighting fixture, the combination with an electric connection plug, of a cap secured to said plug; a pair of tubular arms carried by and extending laterally from the cap; a socket carried at the outer end of each of said arms; electric current conductors carried and concealed by said arms to electrically connect the sockets with the plug; said plug being common to all of the sockets whereby the plug with the arms and connected sockets are adapted to be removably connected as a unit to a connection with the source of current supply.

AUGUST BOUCHERY.