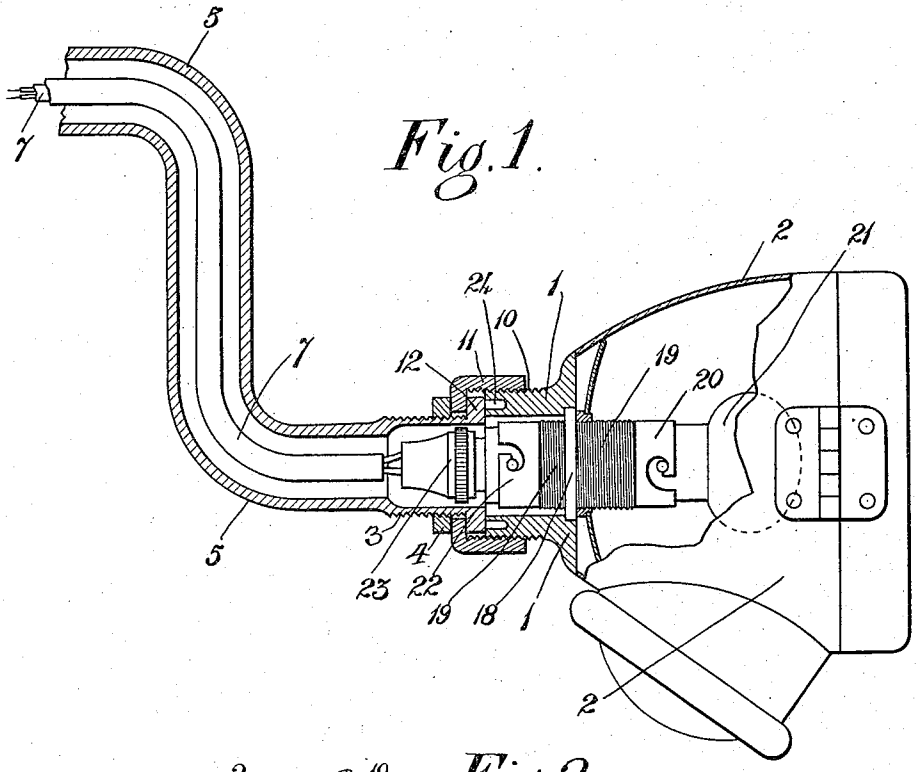
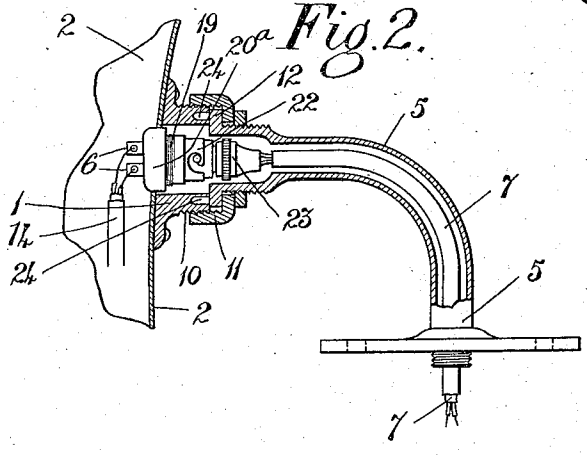
H. E. SHEWARD.

ELECTRIC LAMP AND ITS FITTINGS.

APPLICATION FILED MAR. 18, 1914.

1,170,352. Patented Feb. 1, 1916.





Witnesses:

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ELECTRIC LAMP AND ITS FITTINGS.

1,170,352. Specification of Letters Patent. Patented Feb. 1, 1916.

Application filed March 18, 1914. Serial No. 825,687.

To all whom it may concern:

Be it known that I, HUBERT EDWARD SHEWARD, a subject of the King of Great Britain, residing at Winchmore Hill, Middlesex, England, have invented certain new and useful Improvements in Electric Lamps and Their Fittings, of which the following is a specification.

This invention relates to that class of electric lamps or lanterns which are of a portable character such as are used on vehicles and connected to what are known as lamp irons or other fittings for retaining such lamps in position. In such class of lamps and their fittings the terminal contacts of the lamp are usually connected up to loose wires after such lamps have been placed in position, the loose wires and contacts, especially in the case of motor cars, generally hang about in a loose manner and such wires and contacts are unsightly and likely to be easily damaged or broken.

My invention which has for its principal object to provide a simple and effective lamp fitting for overcoming the above-stated disadvantageous conditions will be clearly understood from the following description aided by the annexed drawing in which—

Figure 1 is a longitudinal sectional view showing a preferred embodiment of the invention; and Fig. 2 is a fragmentary longitudinal sectional view showing a slightly modified embodiment.

In Fig. 1, I illustrate an example in which the lamp socket 1 (which forms a part of the lamp casing 2) carries a threaded ring 18 which engages and holds a corresponding threaded double bayonet bulb holder 19, one socket end 20 of which is positioned in the lamp casing 2 and carries the bulb 21 and the other socket end 22 of which is positioned in the lamp socket 1. The lamp iron 5 has its end provided with a flange 12 and a screw thread 3 carrying a lock nut 4, the flange also being encircled by a flanged screw nut 11 which engages external threads 10 on the socket 1 and is, in turn, secured by the lock nut 4. The wires 7 are loosely arranged in the lamp iron 5 and are connected to a bayonet plug contact 23 which is loosely positioned in the end of the lamp iron 5.

In connecting the lamp in place the bayonet plug contact 23 is first connected to the contact socket 22, the wire 7 being so arranged that the contact plug 23 can be pulled partly out of the lamp iron 5 so as to allow of holding the same while being engaged in the contact socket 22. The wire 7 and the contact plug 23 are then pushed back in the lamp iron 5 and the lamp casing 2 is then connected to the lamp iron 5 by the threaded nut 11 engaging the screw thread 10 on the lamp socket 1 or other suitable means may be employed.

The construction shown in Fig. 2 is similar to that shown in Fig. 1 except that one end 20^a of the bayonet contact holder 19 is connected to the lamp casing 2 instead of directly to the socket 1 and is formed with connections 6 for the wires 14 which pass to the bulb holder instead of carrying the bulb direct. In other respects the construction is the same as Fig. 1.

Set pins 24 on the lamp iron 5 engaging in holes in the lamp socket 1 as shown, in both figures, or other suitable means, may be employed for keeping the lamp in a fixed position relative to the iron. Instead of having double or twin wiring and two sets of contacts as hereinbefore described, I may employ single wiring and one set of contacts; that is to say, one wire and set of contacts are insulated from the lamp and lamp iron and used for the lead and the lamp and lamp iron are used for the return.

By this invention, when the lamp is coupled to the lamp iron the wires and contacts are entirely inclosed, but at the same time when the lamp is disconnected from the lamp iron the wire and contact can be easily removed from the lamp iron by disconnecting from the switchboard without the necessity of removing the lamp iron from the vehicle.

Having fully described my invention, I claim:

1. The combination with a lamp casing, a hollow lamp iron and a system of loose wiring inclosed in said lamp iron, of a contact plug normally and loosely inclosed in the end of said lamp iron and carried wholly by said system of wiring, a socket forming a part of the lamp casing, a detachable connection between said socket and said lamp iron, and a contact socket carried by said casing and arranged within said first-named socket, said contact plug with a portion of the wiring connected thereto being adapted for removal from the lamp iron to facilitate its engagement with said contact socket preliminary to the connection of said lamp casing and said lamp iron.

2. The combination with a lamp casing, a hollow lamp iron and a system of loose wiring inclosed in said lamp iron, of a contact plug normally and loosely inclosed in the end of said lamp iron and carried wholly by said system of wiring, a socket forming a part of the lamp casing, a detachable connection between said socket and said lamp iron, and a member having its opposite ends formed to provide contact sockets, the said member being carried by the lamp casing and having one of its contact sockets located within said first-named socket and adapted for connection to said plug and its other socket located within the body of said lamp casing and adapted to carry the lamp, said contact plug with a portion of the wiring connected thereto being adapted for removal from the lamp iron to facilitate its engagement with said contact socket arranged within said first-named socket preliminary to the connection of said lamp casing and said lamp iron.

3. The combination with a lamp casing, a hollow lamp iron and a system of loose wiring inclosed in said lamp iron, of a contact plug normally and loosely inclosed in the end of said lamp iron and carried wholly by said system of wiring, a socket forming a part of the lamp casing and having external threads, the lamp iron also having external threads, a flanged screw nut engaged with the threads of the socket and having its flange engaging the lamp iron to hold the latter against the socket, a lock nut engaged with the threads of the lamp iron and bearing against the flange of the screw nut, and a contact socket carried by said casing and arranged within said first-named socket, said contact plug with a portion of the wiring connected thereto being adapted for removal from the lamp iron to facilitate its engagement with said contact socket preliminary to the connection of said lamp casing and said lamp iron.

4. The combination with a lamp casing, a hollow lamp iron and a system of loose wiring inclosed in said lamp iron, of a contact plug normally and loosely inclosed in the end of said lamp iron and carried wholly by said system of wiring, a socket forming a part of the lamp casing, a detachable connection between said socket and said lamp iron, a contact socket carried by said casing and arranged within said first-named socket, said contact plug with a portion of the wiring connected thereto being adapted for removal from the lamp iron to facilitate its engagement with said contact socket preliminary to the connection of said lamp casing and said lamp iron, and set pins projecting from the lamp iron, the lamp socket having its end face provided with recesses for said pins.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HUBERT EDWARD SHEWARD.

Witnesses:
O. J. WIRTH,
HAROLD CORE GARDNER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."