

L. T. WASHINGTON.
 PORTABLE INCANDESCENT LAMP HANDLE.
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1,023,449.

Patented Apr. 16, 1912

Fig. 1.

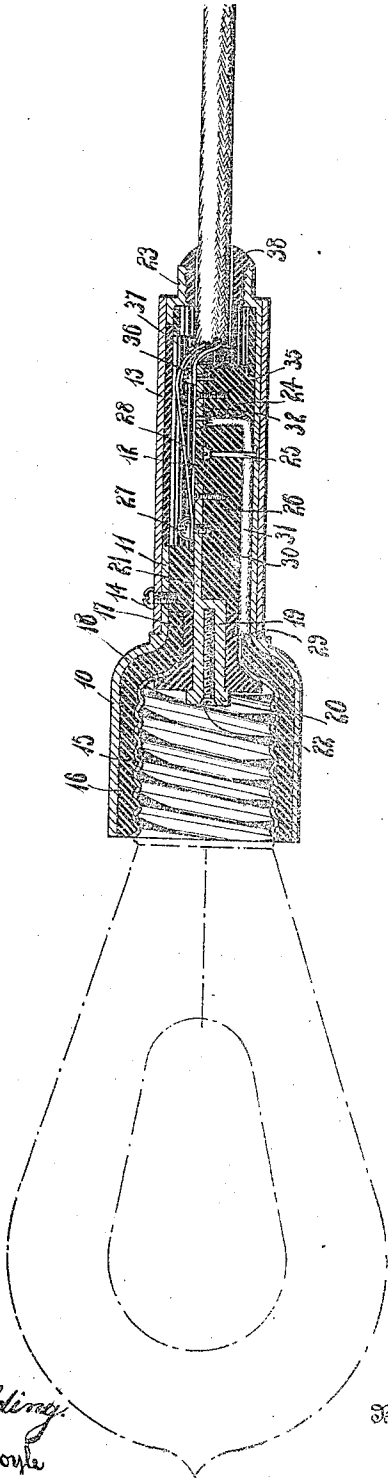
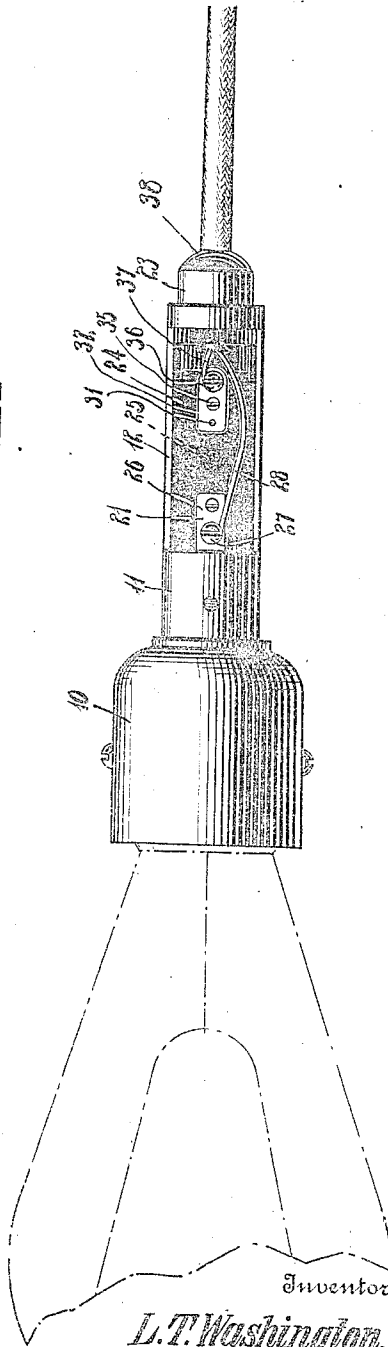


Fig. 2.



Witnesses

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LAWRENCE T. WASHINGTON, OF MOUNT RAINIER, DISTRICT OF COLUMBIA.*

PORTABLE-INCANDESCENT-LAMP HANDLE.

1,023,449.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LAWRENCE T. WASHINGTON, a citizen of the United States, residing at Mount Rainier, in the District of Columbia, have invented certain new and useful Improvements in Portable-Incandescent-Lamp Handles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to handles for that class of portable incandescent lamps commonly known as trouble lamps, and has for an object to provide a handle that will be extremely durable and may be subjected to all conditions of weather and service without danger of short circuiting, and may furthermore be subjected to hard usage without loss of efficiency.

A further object of the invention is to provide a portable incandescent lamp handle that may be easily disassembled for repairs and furthermore will be composed of a few simple and inexpensive parts that will not easily get out of order.

With the above objects in view the invention consists of certain novel details of construction and combination of parts herein-after fully described and claimed, it being understood that various modifications may be made in the minor details of construction within the scope of the appended claim.

In the accompanying drawing forming part of this specification:—Figure 1 is a longitudinal sectional view through the handle. Fig. 2 is a side elevation of the device with the grip sleeve removed.

Referring now to the drawing in which like characters of reference designate similar parts, 10 designates the outer shell of the socket, and 11 an integral nipple carried by the shell, these parts being preferably made of metal. The nipple is cut away on one side to about the central longitudinal axis to provide an opening 12 which exposes the terminals of the lamp. The nipple forms a handle for manipulating the lamp, and in the present instance is shown equipped with a metal sleeve 13 which conceals the opening in the side of the nipple, and is detachably secured in position through the instrumentality of a set screw 14.

Within the shell 10 is arranged a threaded socket 15 formed of metal, and a sleeve 16 of vulcanite or similar insulating ma-

terial surrounds the socket and insulates the same from the shell. Both the sleeve and socket are uniformly contracted to conform to the inner contour of the inner end of the socket, and a plug 17 of porcelain or like material is passed through the socket and into the nipple 11, the plug having a disk head 18 which fits against the contracted inner end of the socket. The plug is formed with a central opening which receives a bushing 19, the same having an annular head 20 which bears against the outer face of the plug, and having a substantially flat tongue 21 which forms means for anchoring the bushing within the plug and the plug within the socket, as will presently be described. A screw 22 is threaded into the bushing, this screw forming the central pole of the socket.

The nipple 11 is contracted as shown at 23 at the free end, and arranged within the nipple is a strip of insulating material 24 which is substantially semi-circular in cross section and is arranged with its flat face in registration with the opening 12 as clearly shown in Fig. 1. The ends of the strip bear against the contracted portion of the nipple and against the inner face of the plug, and a set screw 25 threaded through the nipple and into the strip rigidly secures the strip in position. The strip is provided with a countersink which receives the bushing tongue 21, and a pin 26 is threaded through the tongue and into the strip to fixedly secure the bushing to the strip. A binding screw 27 is threaded into the tongue and forms means for attaching the bared terminal of a conductor wire 28 to the tongue.

Aligned grooves 29 and 30 are formed in the strip 24 and in the plug 17, to receive an insulated conductor wire 31 which is terminally soldered or otherwise secured to the metal socket 15, and is terminally secured remote from the socket to a metal plate 32 which is embedded in the strip of insulating material 24 and is secured in position through the instrumentality of a pin 35, this strip being equipped with a binding screw 36 adapted to secure the bared terminal of a conductor wire 37 to the plate. The conductor wires 28 and 37 are in the present instance shown inclosed by a common flexible insulating covering, and an ordinary nipple nut 38 is engaged over the covering and threaded into the reduced end of the nipple 11.

From the above description it will be seen that upon removal of the sleeve 13, the binding screws may be exposed when necessary and it will be noted that to prevent short circuiting through the opening a substantially semicircular strip of vulcanite 39 is arranged within the opening 12 so as to arch over the exposed terminals of the conductor wires as shown.

10 It will furthermore be noted that there are but a few simple and strong parts used in the construction of the socket, and that these parts are so secured together by accessible set screws as to be readily disassembled for
15 inspection or repairs.

Furthermore, by virtue of the socket shell being entirely of metal, the device may be exposed to hard usage under various conditions of service without danger of short
20 circuiting or appreciable injury.

What is claimed, is:—

A portable lamp handle including an outer shell having an integral nipple pro-

vided with an opening in one side extending to about the central longitudinal diameter 25 of the nipple, a sleeve on said nipple concealing said opening and forming a handle, a threaded metallic socket within the shell and insulated therefrom, a centrally located metallic contact within said metallic socket 30 and insulated therefrom, a strip of insulating material in said nipple having a flat face exposed by said opening, binding screws on said exposed face, an electrical conductor connecting one of said binding 35 screws with said metallic socket, and an electrical conductor connecting the other of said binding screws to said metallic contact.

In testimony whereof, I affix my signature, in presence of two witnesses.

LAWRENCE T. WASHINGTON.

Witnesses:

FRANCIS BOYLE,
H. M. POPHAN.