

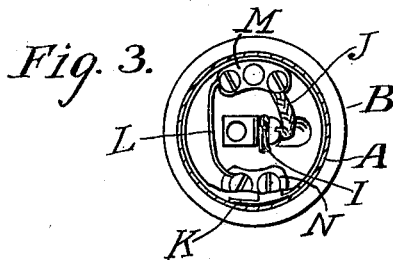
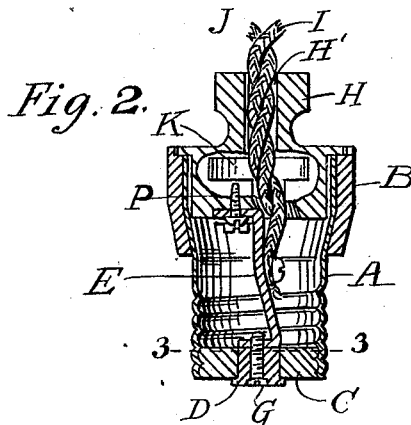
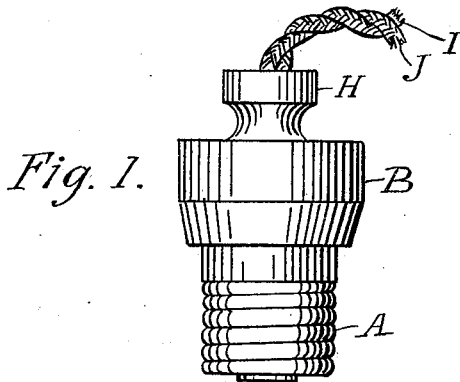
No. 670,376.

Patented Mar. 19, 1901.

P. H. QUINN.
EXTENSION PLUG.

(Application filed June 11, 1900.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

PATRICK HENRY QUINN, OF PASADENA, CALIFORNIA.

EXTENSION-PLUG.

SPECIFICATION forming part of Letters Patent No. 670,376, dated March 19, 1901.

Application filed June 11, 1900. Serial No. 19,957. (No model.)

To all whom it may concern:

Be it known that I, PATRICK HENRY QUINN, a citizen of the United States, residing at Pasadena, in the county of Los Angeles, State of California, have invented new and useful Improvements in Extensible Plugs, of which the following is a specification.

My invention relates to removable plugs screwed into the stationary fixture to make contact between such fixture and wires connected to an electric lamp; and the object thereof is to provide a simple fixture that when screwing the plug to the fixture will not twist the wire. I accomplish this object by the device described herein and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the plug containing my invention adapted to be screwed into the stationary fixture. Fig. 2 is a central vertical section of the same. Fig. 3 is a cross-section on line 3 3 of Fig. 2, the disk, bushing, and screw removed.

Referring to the drawings, A is a threaded metallic casing adapted to be screwed into the socket of the stationary fixture, around the upper end of which is an exterior ring B, of insulating material. In the lower end of casing A is rigidly affixed disk C, also of insulating material, having an aperture in the center thereof through which passes bushing D, rotatable therein. Bushing D is fastened to bar E by screw G and forms one point of electric contact with the permanent fixture when the plug is in use. Bar E is fastened to thumb-piece H by screw P. Casing A is rotatable around thumb-piece H, which is provided with an aperture H', through which passes insulated wires I and J, that connect with the lamp. (Not shown.) Wire I is also connected with bar E. To thumb-piece H is affixed a spring K, adapted to contact with casing A. Spring K is connected with wire J by fuse-wire L and the ordinary fuse-terminals M and N, which form attaching connections. When it is desired to attach the plug to a stationary fixture, casing A is placed in position to be screwed into the socket. With one hand the operator holds thumb-piece H against rota-

tion and with the other hand rotates casing A until bushing D reaches the bottom of the socket in the stationary fixture, when the plug is attached and the lamp is ready for use. As the wires which connect with the lamp are attached to thumb-piece H, which does not rotate, all twisting of the wires is avoided and the plug is attached easily to the fixture.

Having described my invention, what I claim is—

1. A removable plug for connecting the wires of an incandescent electric lamp to a stationary fixture, comprising a threaded metallic casing, surrounded at its upper end by a ring of insulating material, a disk of insulating material affixed to said casing within the lower end thereof, a bar rotatively connected with said disk at one end, and rigidly connected at its other end with a thumb-piece; a thumb-piece of insulating material in the upper end of said casing; a metallic spring affixed to said thumb-piece, adapted to contact with said metallic casing, and connections adapted to connect one wire leading to the lamp with said spring, and the other wire with said bar.

2. A removable plug for connecting the wires of an incandescent electric lamp, comprising a threaded metallic casing having an insulated cover around the upper part thereof, and an apertured disk of insulating material within the lower part, adapted to be rotated around a thumb-piece; a thumb-piece of insulating material; a metallic bar connected to said thumb-piece; a rotatable bushing, in the aperture in the disk of the casing, attached to said bar; a spring affixed to said thumb-piece adapted to contact with the casing; and means to connect the wires of an incandescent lamp, one wire to the spring, and the other to the bar.

In witness that I claim the foregoing I have hereunto subscribed my name, this 4th day of June, 1900, at Los Angeles, California.

PATRICK HENRY QUINN.

Witnesses:

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