Oct. 24, 1933. E. R. PIERCY 1,932,143

PERMANENT MAGNET SUPPORT FOR LAMPS

Filed Feb. 11, 1932

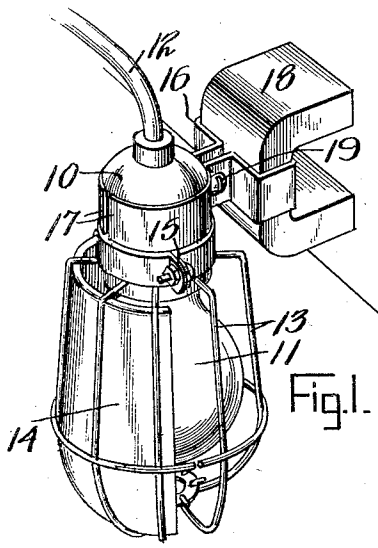


Fig. 1.

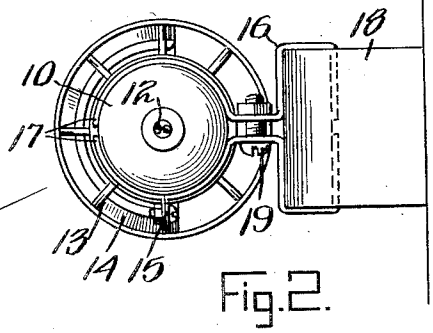


Fig. 2.

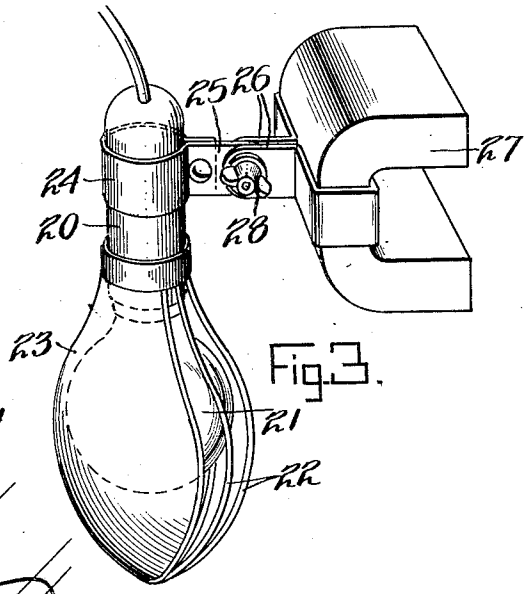


Fig. 3.

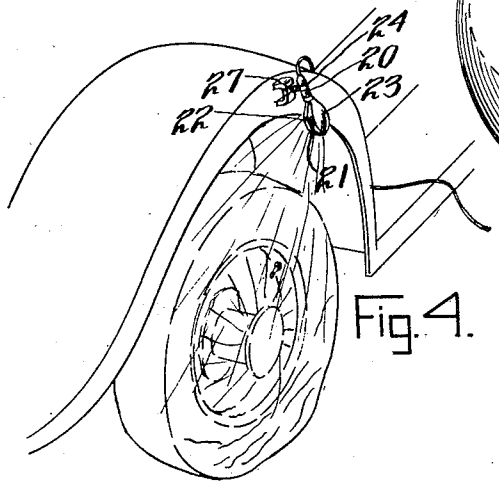


Fig. 4.

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1,932,143

PERMANENT MAGNET SUPPORT FOR LAMPS

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Application February 11, 1932. Serial No. 592,419

1 Claim. (Cl. 240—52.1)

This invention relates to extension lamps and particularly to means for supporting such lamps.

An object of this invention is to provide a lamp having a permanent magnet secured to the socket for supporting the lamp on any suitable metallic surface.

Another object of this invention is to provide a novel and useful device which employs a small but very powerful permanent magnet as a support.

Referring to the accompanying drawing which is made a part hereof and on which similar reference characters indicate similar parts,

Figure 1 is a perspective view of the device,

Figure 2 is a plan view,

Figure 3 is a perspective view of a modified form of the device, and

Figure 4 is a view showing the device attached to a car fender.

In the drawing reference character 10 indicates a lamp socket of any suitable type having a lamp bulb 11 secured therein and an extension cord 12 attached thereto. A guard 13 having a deflector 14 thereon is secured on the socket 10 by any suitable means 15 and which surrounds the bulb 11.

A clamp 16 is formed of a pair of members 17, one end of each being bent to encircle the socket 10 and the other end of each being bent and adapted to engage a permanent magnet 18. The members 17 are held firmly in engagement with the socket 10 and the permanent magnet 18 by any suitable means such as screw-threaded fastenings 19 as clearly shown in Figures 1 and 2.

Figure 3 shows a slightly modified form of the device consisting of a socket 20 suitable for a lamp bulb 21 which in this case may be of low voltage type and having a guard 22 and deflector 23 secured thereto. Instead of having the lamp firmly fixed with respect to the permanent magnet, a clamping member 24 is secured to the socket 20, one end 25 of which extends therefrom. Clamping members 26 engage a permanent magnet 27 in a manner similar to that shown in Figure 1. The free ends of the members 26 engage the opposite sides of the end 25 and are adjustably held in engagement therewith by means of thumb screw fastening means 28 extending through the respective parts and by such means the lamp may be adjusted with respect to the supporting magnet.

The permanent magnet used in the device described may be formed of any suitable material. One preferable type of permanent magnet is that made of cobalt steel.

It may be clearly seen that the device may be used on all kinds of work and does not necessarily require a flat surface on which to cling but will stick to all kinds of surfaces, shafting or corners, and does not require any energy to be supplied as in the case of electro-magnets, but functions by virtue of its own magnetic attraction.

While the device has been described above in relation to its use as a lamp support, it is not limited in its use in this respect but may be used as a support for other things to hold them in a place convenient to a workman.

It will be obvious to those skilled in the art that various changes may be made in my device without departing from the spirit of the invention and therefore I do not limit myself to what is shown in the drawing and described in the specification, but only as indicated by the appended claim.

Having thus fully described my said invention, what I claim as new and desire to secure by Letters Patent, is:

A portable lamp comprising a socket having a bulb therein, a shield for said bulb clamped on said socket, a support for said socket comprising a member clamped around said socket and having a perforated extension thereon, a U-shaped permanent magnet, a second member clamped around the central portion of said magnet and having its ends perforated and embracing the perforated extension, a bolt passing through said perforated ends and extension and provided with a winged nut for clamping the members at suitable angles to each other, substantially as set forth.

EARL R. PIERCY.