H. E. PLASS.

ELECTRIC LAMP SOCKET SUPPORT.

APPLICATION FILED JAN. 13, 1910.

963,647. Patented July 5, 1910.

Fig. 1.

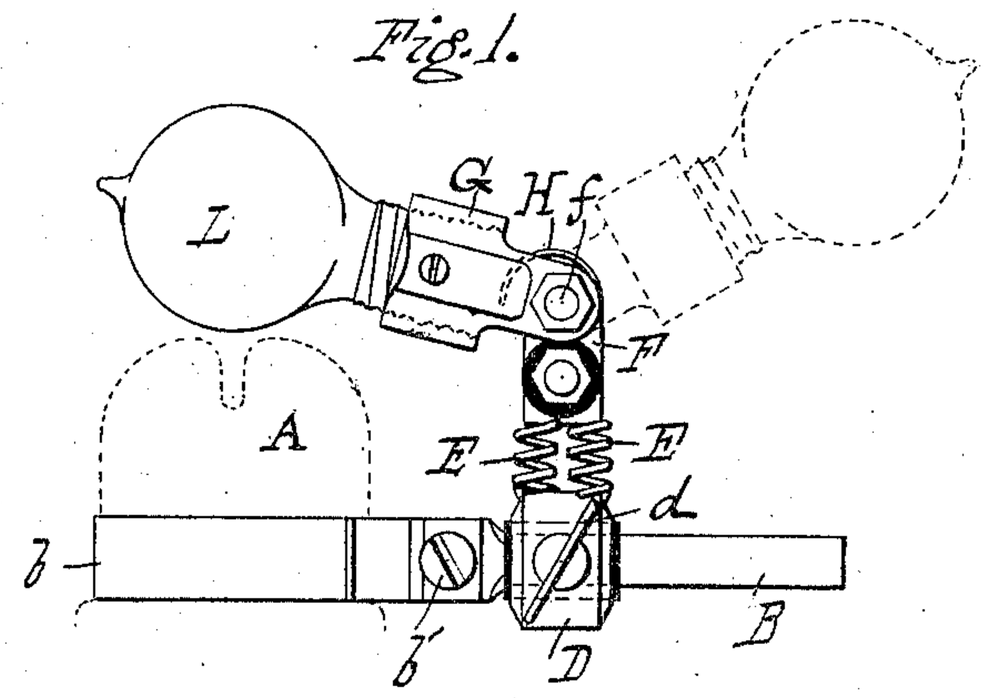


Fig. 2.

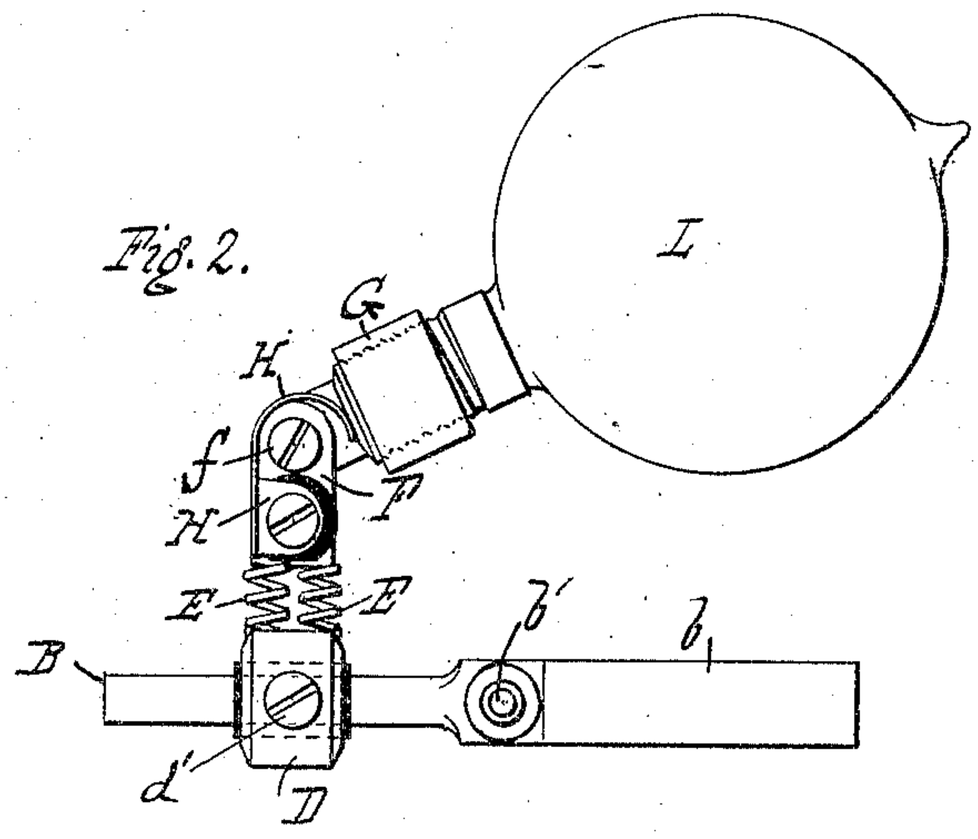


Fig. 3.

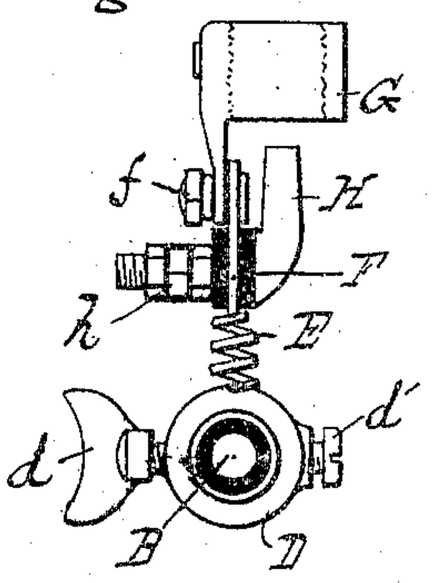
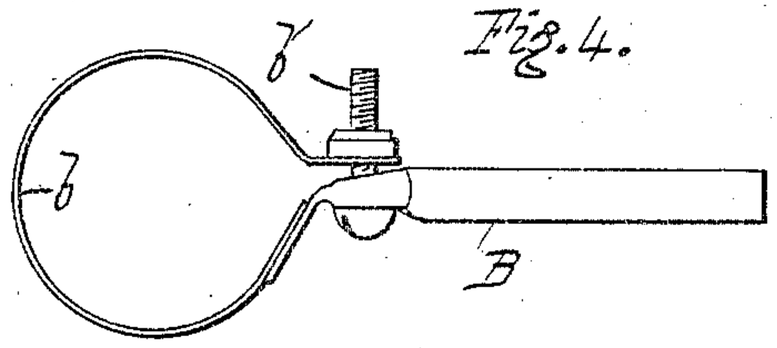


Fig. 4.



WITNESSES:

L. H. Grote

M. E. Klein

INVENTOR

Herbert E. Plass

BY

Howson and Howson

ATTORNEYS

UNITED STATES PATENT OFFICE.

HERBERT E. PLASS, OF NEWARK, NEW JERSEY, ASSIGNOR TO HOWARD MINIATURE LAMP COMPANY, INC., OF NEWARK, NEW JERSEY, A CORPORATION OF NEW JERSEY.

ELECTRIC-LAMP-SOCKET SUPPORT.

963,647. Specification of Letters Patent. Patented July 5, 1910.

Application filed January 13, 1910. Serial No. 537,910.

To all whom it may concern:

Be it known that I, HERBERT E. PLASS, a citizen of the United States of America, residing in the city of Newark, county of Essex, and State of New Jersey, have invented a certain new and useful Improvement in Electric-Lamp-Socket Supports, of which the following is a specification.

The object of my invention is to construct a support for electric lamp sockets especially adapted for use in lamps for automobiles and other vehicles, so that on the one hand, different sizes of lamps may be used as occasion may require, and so that, on the other hand, the liability to breakage of the filaments by the shocks and jars of the moving vehicle shall be minimized. This object I attain by the construction which I will now describe.

In the accompanying drawing, Figure 1 is a side elevation of my lamp socket support showing a small lamp in position; Fig. 2 is an elevation looking at the support from the other side and with a larger lamp in position; Fig. 3 is an end view of the socket support without any lamp; Fig. 4 is a plan view of the bracket alone.

My improved lamp socket support is especially intended for use in lamps of automobiles and other vehicles and has been designed for application to the caps of oil lamps or the gas pillars of acetylene lamps, so that when it is desired to use an electric lamp instead of the oil or gas lamp, the electric lamp may be quickly inserted and attached, and no matter what the size of lamp used, it may be readily brought into proper focus with relation to the reflector of the head-light.

In Fig. 1 I have indicated by dotted lines at A the cap of an oil lamp, and to fit over this cap I provide the supporting bracket B with a more or less flexible metallic strap *b* to embrace the cap of the oil lamp. A smaller strap will be used for the gas pillar. An adjustable coupling screw b^1 permits the strap to be tightened around the lamp cap after it has been fitted over it. The bracket arm B will then stand horizontally, and upon this I fit an insulated sleeve D with a set screw *d*, Figs. 1 and 3, by which the sleeve D may be secured to the arm B when it has been adjusted to proper position thereon. This insulated sleeve D supports the electric lamp socket through the medium of a coiled spring or springs E. I prefer to use two of these springs, E, E, side by side. The lower ends of these springs are permanently secured to the top of the sleeve D and to the upper ends of the springs I permanently secure the plate F. Pivoted to this plate F by a securing screw and nut *f* is the internally threaded lamp socket G to receive the base of the lamp L.

Secured to the plate F, but insulated therefrom is a contact spring H with which the central contact of the lamp base will make connection when the lamp is screwed into the socket. One circuit wire is secured to the binding post *h* in electrical contact with the spring H, while the other circuit wire may be secured under the binding screw d^1 to make connection through the metallic socket piece G with the screw shell terminal of the lamp base. By means of this pivotal connection at *f* the lamp L may be turned into position for use, as shown by full lines in Fig. 1, or may be turned to a position out of the way of the oil lamp when the latter is to be used, as indicated by dotted lines in Fig. 1. If a larger size of electric lamp than that shown in Fig. 1, for example, is required, the sleeve D is moved outwardly on the arm B and secured in its adjusted position by the screw *d*, as indicated for example in Fig. 2, and as the proper focusing of the lamp may require. It will be seen that the interposition of the springs E will reduce to a minimum the liability to breakage of the filaments of the electric lamp by the shocks and jars of the traveling vehicle. And since the lamp when in use will stand in the inclined position indicated in Figs. 1 and 2, it is an advantage to use two springs E, E, having their axes in a vertical plane passing through the axes of the socket and lamp.

I claim as my invention:

1. The herein described electric lamp socket support, comprising a bracket and means secured thereto to support a lamp socket with an interposed spring with its lower end secured to a part on the bracket and at its upper end to a part on the socket, said spring constituting the mechanical support for the latter, as and for the purpose set forth.

2. The herein described electric lamp socket support, comprising a bracket and means secured thereto to support the socket,

in combination with the socket and two interposed springs secured at their inner ends side by side to a part on the bracket, and at their upper ends to a part on the socket, said spring constituting the mechanical support for the latter, as and for the purpose set forth.

3. The herein described electric lamp socket support, comprising a bracket, a sleeve adjustable thereon, a spring secured at its lower end to the sleeve, a plate carried by the upper end of the spring, and a socket pivotally connected to the plate.

4. The herein described electric lamp socket support, comprising a bracket, a sleeve horizontally adjustable on the bracket, a pair of springs secured at their lower ends side by side to the sleeve, a plate carried by the upper ends of the springs and a socket pivotally connected to the plate.

5. The herein described electric lamp socket support for automobile lamps, comprising a bracket having means whereby it may be secured to the ordinary oil or gas lamp, supporting means adjustable on the bracket toward or from the oil or gas lamp, and an electric lamp socket pivoted on the supporting means as and for the purpose described.

6. The herein described electric lamp socket support for automobile lamps, comprising a bracket having means whereby it may be secured to the ordinary oil or gas lamp, an electric lamp socket, a support to which the latter is pivoted to throw the lamp into and out of focus and spring means carrying the electric lamp support on the bracket.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

HERBERT E. PLASS.

Witnesses:
WALTER ABBE,
HUBERT HOWSON.