A. WOODLEY.

RESILIENT LAMP SUPPORT.

APPLICATION FILED JAN. 3, 1910.

957,287.

Patented May 10, 1910.

Fig. 1.

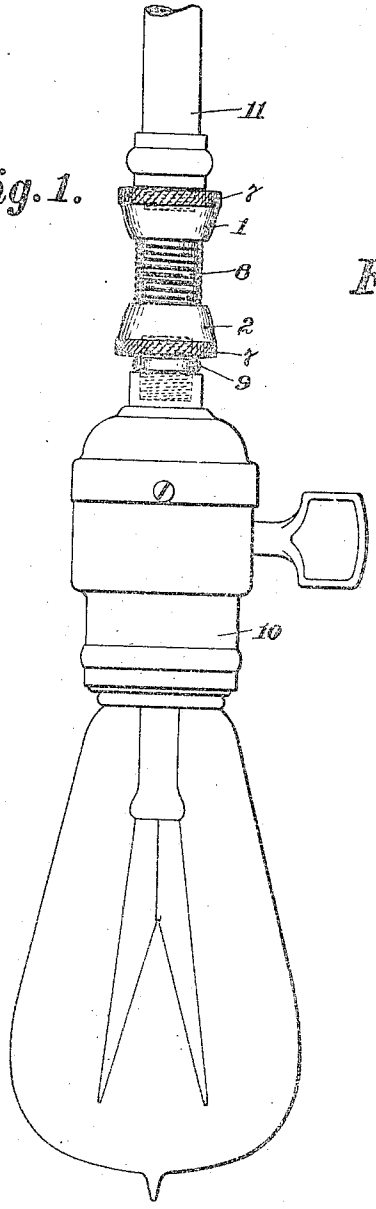


Fig. 2.

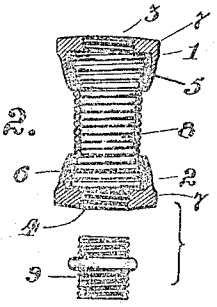
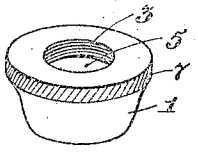


Fig. 3.



Witnesses.

H. Davis.

P. Lee.

Inventor.

A. Woodley.

By

Attorney

UNITED STATES PATENT OFFICE.

ALFRED WOODLEY, OF MONTREAL, QUEBEC, CANADA, ASSIGNOR TO UNIVERSAL ELECTRIC ECONOMY COMPANY, LIMITED, OF MONTREAL, CANADA.

RESILIENT LAMP-SUPPORT.

957,287. Specification of Letters Patent. Patented May 10, 1910.

Application filed January 3, 1910. Serial No. 536,009.

To all whom it may concern:

Be it known that I, ALFRED WOODLEY, resident of 132 St. James street, in the city and district of Montreal, in the Province of Quebec, in the Dominion of Canada, a subject of the King of Great Britain, have invented certain new and useful Improvements in Resilient Lamp-Supports; and I do hereby declare that the following is a full, clear, and exact description of the same.

The invention relates to improvements in resilient lamp supports, as described in the present specification and illustrated in the accompanying drawings that form part of the same.

The invention consists essentially in the novel construction and arrangement of parts whereby a lamp bracket is connected to a lamp by a resilient member detachable from said lamp and bracket.

The objects of the invention are to prolong the life of lamps, particularly electric lamps especially where the fixtures are subject to vibration, to hold the lamps firmly to the fixtures in the desired position and generally to construct a neat, simple and inexpensive device for the said purpose.

In the drawings, Figure 1 is a view showing an electric lamp, a portion of a fixture and the invention connecting said lamp and fixture. Fig. 2 is a vertical sectional view of the resilient support. Fig. 3 is a perspective detail of one of the thimbles.

Like numerals of reference indicate corresponding parts in each figure.

Referring to the drawings, 1 and 2 are the thimbles here shown having the central threaded orifices 3 and 4 respectively and the recesses 5 and 6 on the inner sides. In each of the thimbles, the wall of the recess converges slightly from the knurled edge 7, so as to form said recess larger at the bed than the opening thereinto.

8 is a helical spring flaring outwardly at each end thereof and inclosed in the recesses 5 and 6 and as said recesses have walls converging to the opening, the said springs are very rigidly held therein.

The forming of the recesses in the manner particularly described herein is only one way of securely holding the resilient member to the thimbles and the said resilient member may be secured to said thimbles in other ways.

9 is a union screwed into the threaded orifice 3 and joining the resilient support to the lamp 10.

11 is a portion of the fixture screw held in the threaded orifice 3 in the thimble 1, thus securely joining the fixture 11 to the lamp 10.

It will thus be seen that the lamp is held securely from the fixture by a resilient connection which will prevent any jar to said lamp through any vibration of the said fixture, in other words, the lamp will gently resume its place after any shaking and in fact at every motion of the said fixture, the spring will avoid any rigidity always due where there is a rigid connection between the lamp and the fixture.

The exact construction of the thimbles and spring has been described herein, but it must be understood that without departing from the spirit of the invention, modifications may occur in the arrangement and the making of the parts.

This invention is particularly applicable to electric lamps, though it may be applied to gas and other lamps with suitable changes.

What I claim as my invention is:

1. In a resilient lamp support, a helical spring having flaring ends and thimbles having converging walls and closely gripping the flaring ends of said helical spring, said thimbles having central threaded orifices therethrough adapted to screw on to the light fixture and lamp respectively.

2. In a resilient lamp support, the combination with a light fixture and a lamp supported from said light fixture, of a pair of thimbles secured to said light fixture and said lamp respectively, and a helical spring wound smaller in the central barrel portion exposed between the thimbles and having the larger ends thereof suitably secured to said thimbles.

Signed at the city and district of Montreal, Quebec, Canada, this 29th day of December, 1909.

ALFRED WOODLEY.

Witnesses:
G. H. TRESIDDER,
H. DAVIS.