J. E. MARSDEN.

DETACHABLE LAMP.

APPLICATION FILED JUNE 18, 1914.

1,137,773. Patented May 4, 1915.

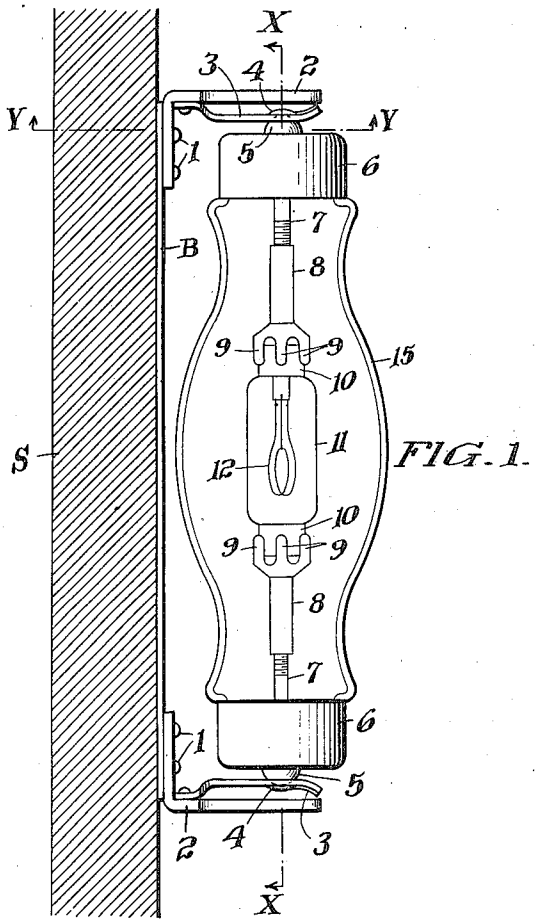


FIG. 1.

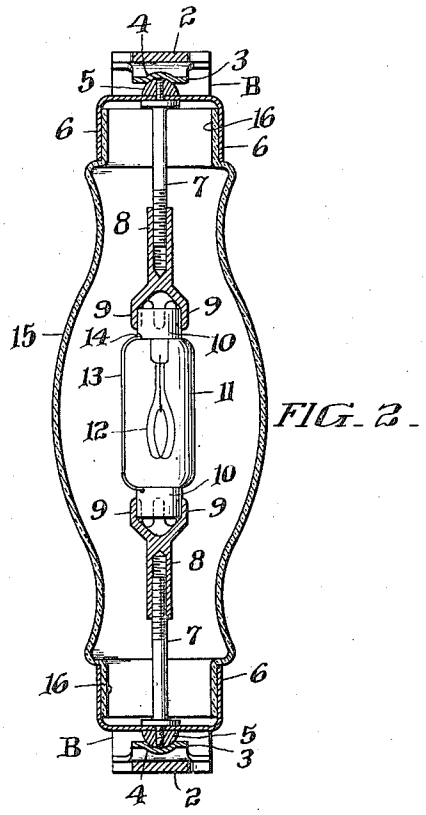


FIG. 2.

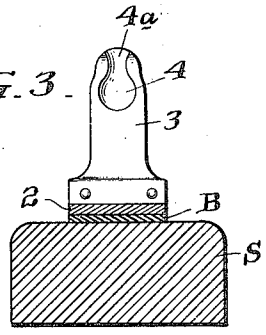


FIG. 3.

WITNESSES

Daniel Webster, Jr.

Nellie Field

INVENTOR

John E. Marsden

BY Cornelius D. Ehret

his ATTORNEY

UNITED STATES PATENT OFFICE.

JOHN E. MARSDEN, OF PHILADELPHIA, PENNSYLVANIA.

DETACHABLE LAMP.

1,137,773. Specification of Letters Patent. Patented May 4, 1915.

Application filed June 18, 1914. Serial No. 845,805.

To all whom it may concern:

Be it known that I, JOHN E. MARSDEN, a citizen of the United States, residing in the city of Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a new and useful Detachable Lamp, of which the following is a specification.

My invention relates to detachable electric lamps, and more particularly detachable electric lamps for use in vehicles, such as automobile touring cars or limousines.

My invention resides in a detachable electric lamp structure in which the lamp itself is disposed within a globe or outer casing preferably of glass which may be cut or otherwise ornamented, the globe and lamp forming a unit detachable from holders which serve also for making the electrical connections to the lamp.

My invention resides in apparatus of the character hereinafter described and claimed.

For an illustration of one of the forms which my invention may take, reference is to be had to the accompanying drawing, in which:

Figure 1 is an elevational view of the detachable lamp and globe held in its supports. Fig. 2 is a section taken on the line X—X of Fig. 1. Fig. 3 is a section taken on the line Y—Y of Fig. 1.

In the drawing, S represents any suitable support, such as the framework or body of a vehicle or automobile. Upon this is placed or disposed a base or strip B of insulating material upon whose ends are secured by screws 1 the substantially rigid metal brackets 2 to which are secured in turn the yielding or resilient metallic members 3 having indentations or recesses 4 and guide grooves 4^a adapted to receive the metallic buttons or projections 5 upon the metal ferrules 6.

Co-axial with and secured to the ferrules 6 are the metallic rods 7 upon which are screw threaded or otherwise adjustable the tubular metallic members 8 having at their outer ends the fingers 9 adapted to receive the metallic rings 10 secured upon the opposite ends of the electric lamp bulb 11. Within the evacuated lamp bulb 11 is the lamp filament 12 one of whose terminals connects with the near ring 10 and whose other terminal connects by conductor 13, extending through an aperture 14 in the first mentioned ring 10, along the outside of the lamp bulb 11, which conductor 13 connects with the other ring 10 at the opposite end of the bulb 11.

A globe 15 of glass or other suitable material, which however must be a non-conductor of electricity, surrounds the electric lamp and its immediate supports and extends into the ferrules 6 where the globe 15 has cylindrical ends 16, the globe being open at both ends as shown.

The globe serves the purpose of surrounding and inclosing the electric lamp, and serves the additional purpose of stiffening the whole device by snug engagement in the ferrules 6, thus alining the member 7 and 8 at opposite ends of the lamp and keeping the lamp and parts properly in alinement and in proper position within the globe.

One conductor supplying current to the lamp is connected to the one bracket 2, and the other conductor of the circuit is connected to the other bracket 2 so that the path of the current will be from the one bracket 2, through the associated member 3, thence through the associated button 5 to the rod 7, tubular member 8, fingers 9, ring 10, to one terminal of the filament 12, through the filament to its other terminal thence through conductor 13 to the other ring 10, the associated fingers 9, tubular member 8, rod 7, button 5 associated with the other resilient member 3 and bracket 2 to the other conductor of the supply circuit.

By simply grasping the globe 15 it and the contained lamp may be withdrawn from the spring members 3 whose free ends are outwardly flaring to assist guiding the parts when returning the same to the position shown in the drawing.

What I claim is:

1. A detachable electric lamp structure comprising a globe of insulating material, conducting closures on opposite ends of said globe, an electric lamp having terminals at opposite ends thereof, means rigidly supporting said lamp within said globe upon said end closures, said supporting means forming electrical communication between the lamp terminals and said conducting closures, and resilient means supporting said conducting closures and affording electrical communication therewith.

2. The combination with a globe, of ferrules on opposite ends thereof, longitudinally rigid conducting rods rigidly supported by said ferrules within said globe in axial

alinement with each other, an electric lamp having terminals on opposite ends thereof, means on said rods receiving said lamp terminals, substantially rigid brackets, and resilient members supported by said brackets supporting said ferrules and affording electrical communication with the terminals of said lamp through said ferrules and rods.

In testimony whereof I have hereto affixed my signature in the presence of the two subscribing witnesses.

JOHN E. MARSDEN.

Witnesses:
NELLIE FIELD,
ALICE S. MARSH.