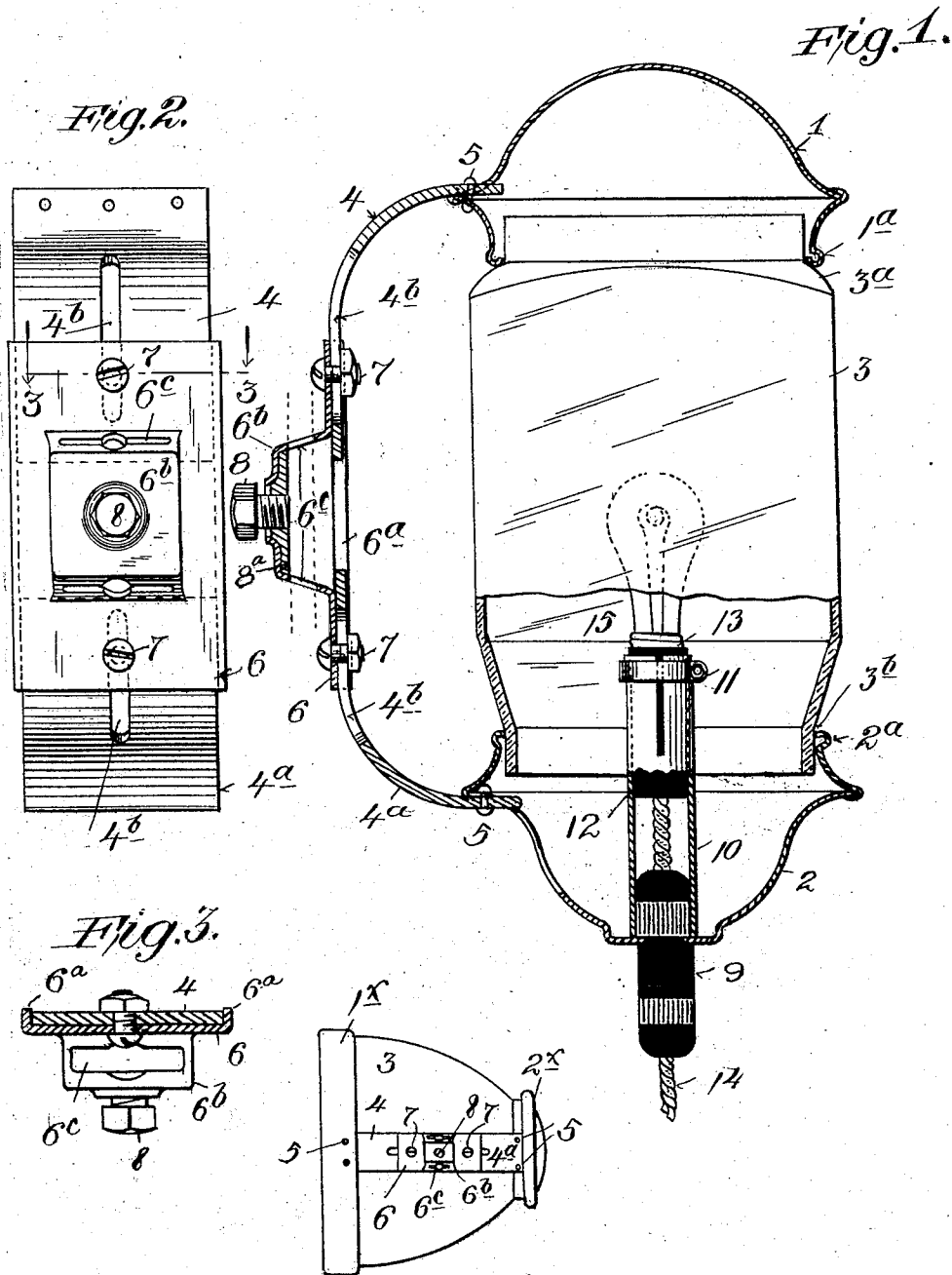


992,792.

Patented May 23, 1911.



Witnesses:
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UNITED STATES PATENT OFFICE.

ARTHUR K. MILLER, OF PEEKSKILL, NEW YORK.

LAMP.

992,792.

Specification of Letters Patent.

Patented May 23, 1911.

Application filed July 22, 1910. Serial No. 573,159.

To all whom it may concern:

Be it known that I, ARTHUR K. MILLER, a citizen of the United States, and resident of Peekskill, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Lamps, of which the following is a specification.

The object of my invention is to provide a simple and efficient lamp adapted for use on automobiles, boats, and other vehicles, and it has particular reference to lamps adapted to contain incandescent electric lamp bulbs, an object of my invention being to permit ready removal and replacement of the protecting glass globe or shield.

My invention comprises novel details of improvement and combinations of parts that will be more fully hereinafter set forth and then pointed out in the claims.

Reference is to be had to the accompanying drawings forming part hereof, wherein,

Figure 1 is a vertical sectional view of a lamp embodying my invention; Fig. 2 is a view of the supporting devices looking from the left hand in Fig. 1; Fig. 3 is a section on the line 3, 3, in Fig. 2, looking in the direction of the arrows; and Fig. 4 is a side view of a modified form of the lamp.

In the drawings the numerals 1 and 2 indicate upper and lower caps that receive the globe or flame chamber 3, preferably of glass, which caps are shown provided with flange portions 1^a, 2^a, bearing against the corresponding shoulder portions 3^a, 3^b, of globe or shield 3.

At 4, 4^a are suitably shaped braces or bars shown attached at their corresponding outer ends to the caps 1, 2, respectively, by rivets 5, the opposite ends of said braces being shown alined and spaced apart, and provided with slots 4^b. The corresponding ends of the braces 4 are received and held by supporting member 6 which is shown provided with bolts 7 passing through the slots 4^b of braces 4, 4^a. Member 6 is shown on its inner side as in channel form, the channel being located between flanges 6^a and receiving the braces 4, 4^a, whereby the parts 4, 4^a and 6 are maintained in relative positions. Member 6 is shown provided with an outwardly extending portion 6^b having an upwardly extending opening 6^c to receive a bracket or post for supporting the lamp, a nut 8^a secured in the portion 6^b receiving screw 8 for holding member 6 upon the supporting bracket. The lower cap 2 is adapted to sup-

port the lighting means. For this purpose I have shown an insulating piece 9 carried by cap 2 and at its upper end entering a tube 10 having a suitable clamp 11 to grip an insulating block 12 inserted in tube 10, which block is provided with a socket 13 connected with conductor or cable 14, and adapted to receive the incandescent lamp 15 in well known manner that is inclosed within the globe 3.

With the parts 9 to 15 fitted to cap 2 and the braces 4, 4^a (one or both) loosened from member 6, globe 3 may be inserted between said caps, the latter then adjusted against the globe and the bolts 7 tightened, whereby the braces 4, 4^a will be secured in adjusted position to member 6, and the parts will all be held in firm relation to contain the globe properly fitted between caps 1 and 2. When it is desired to remove the globe, as for cleaning or for replacement of lamp 15, it is merely necessary to release one or both of the bolts 7, pull one or both of the braces 4, 4^a outwardly to release the globe, and then replace the parts as before described.

In Fig. 4 I have shown my improvements adapted to a conventional type of horizontally disposed globe 3, wherein suitable caps 1^a, 2^a at opposite ends of the globe are held by the devices 4, 4^a, 6 and 7 in the manner before described, but in this case the part 6^b and opening 6^c extend transversely with respect to the parts 4, 4^a so that the latter extend horizontally in supporting the lamp upon the usual bracket instead of vertically as in Figs. 1 and 2.

By means of the adjustability between member 6 and braces 4, 4^a globes of different length are adapted to be used.

It will be understood that one of the braces can be permanently attached to member 6 while the adjustable means between said member and the other brace will permit removal and replacement of the globe or flame chamber.

My improvements are simple and cheap to manufacture, may be stamped from sheet metal, will hold the globe properly and securely in place, take up jar and vibration, permit ready adjustment, replacement and cleaning of the parts, are efficient in use, and not liable to get out of order.

Having now described my invention what I claim is:—

1. A lamp comprising a globe, caps at opposite ends of the globe retaining said

globe, braces extending from said caps, and means for detachably connecting said braces.

2. A lamp comprising a globe, caps at opposite ends of the globe retaining said globe, braces extending from said caps, and means for detachably connecting said braces, said means comprising a member adjustably connected with said braces and provided with means to receive a bracket for supporting the same.

3. A lamp comprising a globe, caps at opposite ends of the globe retaining said globe, braces attached to said caps and extending toward each other, a supporting member connected with said braces, and means for adjusting said braces in connection with said member, said member having an opening to receive a supporting bracket.

4. A lamp comprising a globe, caps at the ends of the globe provided with openings receiving said globe, braces extending from said caps and projecting in line with each other at their free ends, a supporting member connected with said braces, and means to permit relative adjustment between the braces and said member, said member having an opening to receive a supporting bracket.

5. A lamp comprising a globe, caps at the ends of the globe retaining said globe, braces extending from said caps, a supporting member provided with a channel receiving said braces, and means for adjustably connecting the braces with said member, said member having means for detachable connection with a support.

6. A lamp comprising a globe, caps at the ends of the globe having openings receiving the globe, braces extending from

said caps, and a supporting member provided with a channel receiving said braces, said braces having slots, said member having bolts engaging said slots, said member having an opening to receive a supporting bracket, and means to detachably retain said member on the bracket.

7. A lamp comprising a globe, caps at the ends of the globe, means to retain said caps in connection with the globe, one of said caps being provided with insulation, a tube extending upwardly within the cap from said insulation, an insulating block carried by said tube, said block having a lamp socket.

8. A lamp comprising a globe, caps at the ends of the globe, means to retain said caps in connection with the globe, one of said caps being provided with insulation, a tube extending upwardly within the cap from said insulation, an insulating block carried by said tube, said block having a lamp socket, and means for detachably securing said block to said tube.

9. The combination of a plurality of braces, a supporting member adjustably connected with said braces, and means at the outer ends of said braces for receiving and retaining a globe between said braces, said member having means for detachable connection with a supporting bracket.

Signed at New York city, in the county of New York and State of New York this 19th day of July, A. D. 1910.

ARTHUR K. MILLER.

Witnesses:

MARIE F. WAINRIGHT,
HERMAN HERST.