

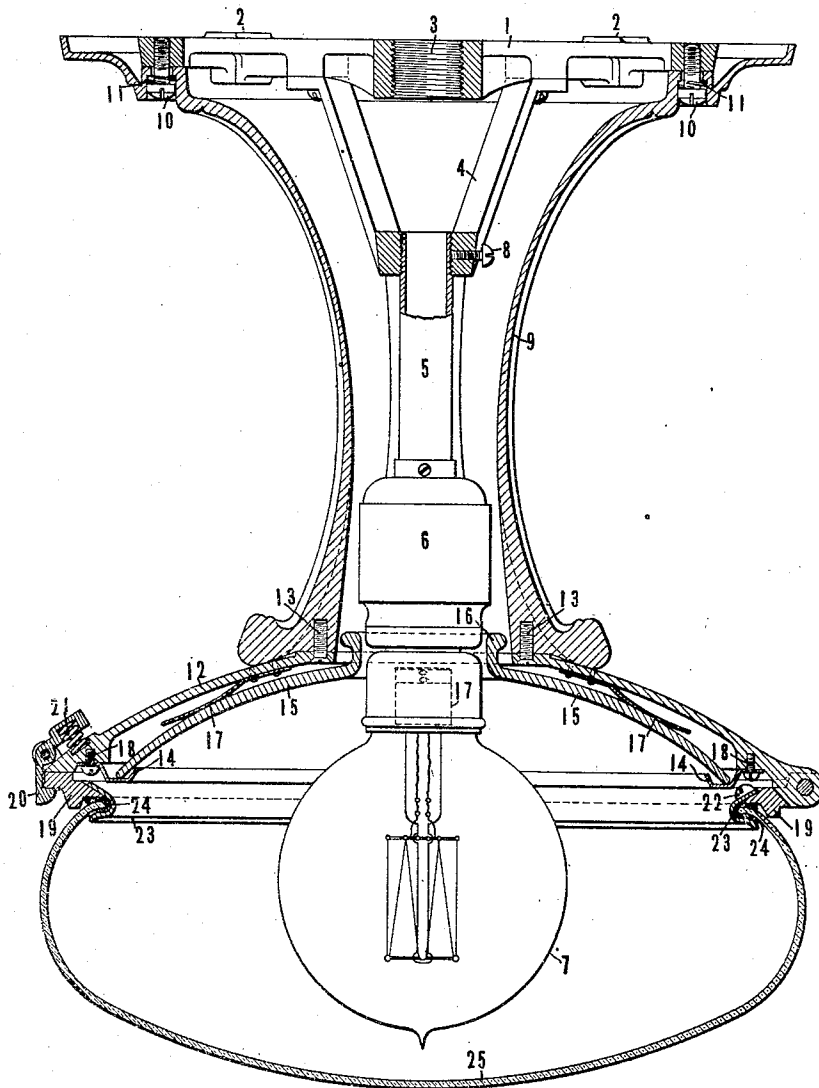
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LAMP.

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LAMP.

1,043,872.

Specification of Letters Patent.

Patented Nov. 12, 1912.

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To all whom it may concern:

Be it known that I, LINDSLEY SCHEPMOES, a citizen of the United States, residing at Hasbrouck Heights, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Lamps, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in lamps, and with regard to the more specific features thereof, to lamps adapted to be secured to the ceiling of railway cars and the like.

One of the objects of the present invention is to provide a simple and practical form of lamp of the above character.

Another object is to provide a lamp having few parts, which will be cheap to manufacture and easy to install.

A further object is to provide a lamp in which the parts are so held in place as to prevent rattling of one against another when the vehicle is in motion.

Another object is to provide a lamp with its parts resiliently held to prevent breakage.

Other objects will be in part obvious and in part pointed out hereinafter.

The invention accordingly consists in the features of construction, combinations of elements and arrangement of parts which will be exemplified in the construction hereinafter set forth, and the scope of the application of which will be indicated in the following claims.

In the accompanying drawing is shown in vertical section one of various possible embodiments of the present invention.

Referring to the drawing in detail, 1 represents a spider casting adapted to be secured to the ceiling of the car or vehicle in which the lamp is installed by means passing through suitable bolt holes 2. The central part of this casting is threaded at 3 for securing the same to a conduit or pipe carrying the electric wires. At each side thereof is secured a socket support 4 carrying a stem 5, the lower end of which is secured to a socket 6 of any well known character, adapted to receive a source of light, such as an electric bulb, 7. The stem 5 is preferably threaded into the socket support 4

and held firmly in place by a lock screw 8. Surrounding the stem or conduit 5 is an ornamental casting or supporting member 9 secured to the spider casting by means of bolts 10 provided with lock washers 11.

At the lower part of the supporting member, positioned above and surrounding the source of light, is a dome 12, held in place by means of screws 13 engaging the supporting member 9. At the lower edge of the dome is a concave reflector holder ring 14, substantially as shown, adapted to engage and support the lower edge of a concave reflector 15, provided with a collar 16 loosely fitting around the socket 6 intermediate the socket and the lower part of the supporting member 9.

Secured about the interior of the dome at several points are a plurality of spring clips 17 engaging the upper surface of the reflector, resiliently holding same in freely suspended position out of contact with the dome or socket, thereby preventing the rattling of the parts during the motion of the car and also lessening the shock when subjected to a sudden jar, which might otherwise cause the reflector, if made of glass, to break.

While but four of the resilient fingers 17, positioned at right angles to each other, are used in the modification herein disclosed, it is, of course, to be understood that more or less may be used as desired.

It will be noted that the supporting ring 14 is held in place by means of screws 18 engaging the dome whereby the same may be conveniently removed to replace or clean the reflector when necessary.

At one side of the dome 12 is hinged a bezel or beveled ring 19 adapted to be engaged by a pivotally mounted spring catch 20 at the opposite side. This catch is held in closed position by means of the spring 21 so that the bezel may be snapped into place and securely held. Secured to the bezel by means of a screw 22 is a bowl holder ring 23 having an asbestos lining 24 supporting a globe or bowl 25, of glass or translucent material. This asbestos ring not only prevents heat being communicated from the dome 12 above the source of light, but also prevents rattling of the bowl against its holding means.

It is thus seen that this invention pro-

vides a simple and practical lamp, particularly adapted for use in railway cars, possessing, among others, all the objects and advantages above set forth.

5 As many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all
10 matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

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

1. In a device of the character described, in combination, a dome, reflecting means within said dome supported at its lower
20 edge, and means for holding the upper part of said reflector in a freely supported position out of contact with said dome.

2. In a device of the character described, in combination, a dome, a concave reflector within the dome, a supporting ring for said
25 reflector, and means associated with one of said first-mentioned parts for holding said reflector in freely supported position.

3. In a device of the character described, in combination, a dome, a reflector within
30 said dome, a ring supported by the dome engaging the lower edge of said reflector, and spring means for holding said reflector in resiliently supported position away from
35 the said dome.

4. In a device of the character described, in combination, a dome, a reflector within said dome, a ring supported by the dome
40 engaging the lower edge of said reflector, and a plurality of spring clips engaging said dome for holding said reflector out of contact with said dome.

5. In a device of the character described, in combination, a dome, a bowl for closing
45 said dome, a source of light inclosed therein, a reflector inclosed within said dome above and surrounding said source of light, and spring means for holding the reflector in a resiliently supported condition.

6. In a device of the character described, in combination, a dome, means for support-
50 ing said dome from the ceiling, a globe for closing said dome, a source of light inclosed therein, a reflector above and surrounding
55 said source of light, and a plurality of spring clips secured to one of said first-mentioned parts engaging the upper surface of the reflector for holding it out of contact with said dome.

7. In a device of the character described, in combination, a dome, a source of light
60 within said dome, a bezel hinged at one side of said dome, a glass globe carried thereby for closing the dome, reflecting means with-
65 in the dome above and surrounding the

source of light and spring means between said reflector and said dome for holding the same in freely supported position.

8. In a device of the character described, in combination, a dome, a source of light
70 within said dome, a bezel hinged at one side of said dome, a glass globe carried thereby for closing the dome, and a freely supported reflector positioned above and around said source of light and within said dome. 75

9. In a device of the character described, in combination, a dome, a source of light within said dome, a bezel hinged at one side of said dome, a translucent globe carried thereby for closing the dome, a freely
80 supported reflector above and surrounding said source of light, and a plurality of spring clips engaging said reflector and pressing toward the interior of said dome, for resiliently holding it in place. 85

10. In a device of the character described, in combination, supporting means adapted to be secured to the ceiling, a dome supported therefrom, a stem extending down-
90 wardly from said means through to the interior of said dome, an electric light positioned at the lower end of said stem, a globe closing the under side of said dome, and reflecting means extending within said dome surrounding said source of light. 95

11. In a device of the character described, in combination, supporting means adapted to be supported from the ceiling, a dome removably supported from and beneath said
100 means, a support passing down through the interior of said dome, an electric light carried by said last support, globe-supporting means carried by said dome and hinged adjacent one side thereof, a translucent globe
105 closing the under side of said dome, and a concave reflector extending within said dome above and around said electric light.

12. In a device of the character described, in combination, means adapted to be secured to the ceiling, a dome supported therefrom,
110 a stem passing from said means down through to the interior of said dome, a source of light positioned at the lower end of said stem, a bezel hinged to the lower edge of said dome at one side thereof, a
115 spring fastening means for engaging said bezel at the opposite side, a globe supported from said bezel and closing the under side of the dome, a supporting means secured to said dome, a reflector above and
120 around said source of light supported by said means, and spring means for resiliently holding said reflector in place.

13. In a device of the character described, in combination, a casting adapted to be se-
125 cured to the ceiling, a dome supported therefrom, a stem passing to the interior of said dome, a source of light positioned at the lower end of said stem, a bezel hinged to the lower edge of said dome at one side
130

thereof, separable fastening means for engaging said bezel at the opposite side, a translucent globe supported from said bezel and closing the under side of the dome, a supporting means secured to said dome, a reflector above and around said source of light supported by said means, and a plurality of spring clips engaging the said reflector for holding it resiliently in position.

14. In a device of the character described, in combination, a casting adapted to be secured to the ceiling, a supporting member secured to said casting, a dome supported from said supporting member, a stem and socket support secured to said casting extending downwardly into the interior of the dome, a source of light carried thereby, reflector holder means secured to the lower edge of said dome, and a reflector supported by said means.

15. In a device of the character described, in combination, means adapted to be secured to the ceiling, a supporting member secured to said means, a dome supported from said supporting member, a stem and socket support secured to said means, a source of light carried thereby, reflector holder means secured to the lower edge of said dome, a reflector supported by said holder means, and spring means for holding said reflector in place.

16. In a device of the character described, in combination, a spider casting adapted to be secured to the ceiling, a supporting member secured to said casting, a dome supported from said supporting member, a stem and socket support secured to said casting, a source of light carried thereby, a reflector holder ring secured to the lower edge of said dome, a reflector supported by said ring, and a plurality of spring clips engaging said reflector for holding it in freely suspended position.

17. In a device of the character described, in combination, a spider casting adapted to be secured to the ceiling, a supporting member secured to said casting, a dome supported from said supporting member, a stem and socket support secured to said casting passing down from said supporting member to the interior of the dome, a source of light carried thereby, reflector holder means secured to the lower edge of said dome, a reflector supported by said means, a plurality of spring clips engaging said reflector for holding it in freely suspended position and translucent means for closing said dome.

18. In a device of the character described, in combination, a spider casting adapted to be secured to the ceiling, a supporting member secured to said casting, a dome supported from said supporting member, a socket support supporting from said ceiling in the interior of the dome, a source of light

carried thereby, a reflector holder ring secured to the lower edge of said dome, a reflector supported by said ring, a plurality of spring clips engaging said reflector for holding it in freely suspended position, a bezel hinged to said dome at one side, a catch for holding it in position at the opposite side, and transparent means carried by said bezel for closing said dome.

19. In a device of the character described, in combination, a spider casting adapted to be secured to the ceiling, a supporting member secured to said casting, a dome supported from said supporting member, a stem and socket support secured to said casting passing down from said ceiling plate to the interior of the dome, a source of light carried thereby, a reflector holder ring secured to the lower edge of said dome, a reflector supported by said ring, a plurality of spring clips engaging said reflector for holding it in freely suspended position, a bezel hinged to said dome at one side, a spring catch for holding it in position at the opposite side, and a glass globe supported by said bezel for closing said dome.

20. In a device of the character described, in combination, a casting adapted to be secured to the ceiling, a supporting member, secured to said casting, a dome supported from said supporting member, a stem and socket support secured to said casting passing down from said ceiling plate to the interior of the dome, a source of light carried thereby, a reflector holder ring secured to the lower edge of said dome, a reflector supported by said ring, a plurality of spring clips engaging said reflector for holding it in freely suspended position, a bezel hinged to said dome at one side, a spring catch for holding the same in position at the opposite side, a globe holder mounted on said bezel, an asbestos pad within said holder, and a globe supported by said pad and holder for closing said dome.

21. In a device of the character described, in combination, a supporting member, a member having a concave interior supported therefrom, a concave reflector loosely supported at its lower edge fitting within said member, a convex translucent closing means therefor, and a lamp positioned within said concave reflector.

22. In a device of the character described, in combination, supporting means adapted to be secured adjacent the ceiling, a concave dome secured about the lower edge thereof, light-supporting means within said first-mentioned means projecting downwardly through an opening in said dome, and an electric light carried thereby positioned within said concave dome.

23. In a device of the character described, in combination, supporting means adapted to be secured adjacent the ceiling, a concave

dome secured about the lower edge thereof, light-supporting means within said first-mentioned means projecting downwardly through an opening in said dome, an electric light carried thereby positioned within said concave dome, and concave reflecting means interposed between said dome and light.

24. In a device of the character described, in combination, supporting means adapted to be secured adjacent the ceiling, a concave dome secured about the lower edge thereof, light-supporting means within said first-mentioned means projecting downwardly through an opening in said dome, an electric light carried thereby positioned within said concave dome, and a translucent globe supported from and closing the under side of said dome.

25. In a device of the character described, in combination, supporting means adapted to be secured to the ceiling, a concave dome carried thereby having a central opening at the top thereof, lamp-supporting means extending from the ceiling down through said opening, a light carried thereby within said dome, a ring secured to the lower edge of said dome, and a reflector supported by said ring interposed between said light and the interior of the dome.

26. In a device of the character described, in combination, supporting means adapted to be secured to the ceiling, a concave dome carried thereby having a central opening at the top thereof, lamp-supporting means extending from the ceiling down through said opening, a light carried thereby within said dome, a ring secured to the lower edge of said dome, a reflector supported by said ring interposed between said light and the interior of the dome, and a translucent globe closing the under side of said dome.

27. In a device of the character described, in combination, supporting means adapted to be secured to the ceiling, a concave dome carried thereby having a central opening at the top thereof, lamp-supporting means extending from the ceiling down through said opening, a light carried thereby within said dome, a ring secured to the lower edge of said dome, a reflector supported by said ring interposed between said light and the interior of the dome, a globe-supporting ring hinged to the lower edge of said dome, and a glass globe carried by said ring closing the under side of said dome.

28. In a device of the character described, in combination, supporting means adapted to be secured to the ceiling, a concave dome carried thereby having a central opening at the top thereof, lamp-supporting means extending from the ceiling down through said opening, light carried thereby within said dome, a ring secured to the lower edge of

said dome, a reflector supported by said ring interposed between said light and the interior of the dome, a bezel hinged to the lower edge of said dome, a globe carried thereby, and a holder ring secured to said bezel for holding said globe in place.

29. In a device of the character described, in combination, a supporting means adapted to be secured to the ceiling, a socket, means connecting said socket with said supporting means whereby it is held in proper place, an electric light mounted in said socket, and means secured adjacent the ceiling inclosing said socket and light and spaced apart therefrom.

30. In a device of the character described, in combination, a supporting member adapted to be secured adjacent and in contact with the ceiling and extending downwardly therefrom, a concave dome positioned beneath said member, screws for securing said dome to said member, a plurality of downwardly extending spring clips secured to one of said members, a concave reflector extending upwardly into said dome engaged by said spring clips and held freely spaced from said dome, a supporting ring screwed to the lower part of said dome for supporting said reflector, a bezel hinged to said dome at one side and spring held in closed position at the opposite side, a second ring secured to said bezel, a globe held in position thereby closing the under side of said dome, and a source of light positioned therein.

31. In a device of the character described, in combination, a supporting member adapted to be secured adjacent and in contact with the ceiling and extending downwardly therefrom, a concave dome positioned beneath said member, screws for securing said dome to said member, a plurality of downwardly extending spring clips secured to one of said members, a concave reflector extending upwardly into said dome engaged by said spring clips and held freely spaced from said dome, a supporting ring screwed to the lower part of said dome for supporting said reflector, a bezel hinged to said dome at one side and spring held in closed position at the opposite side, a second ring secured to said bezel, a globe held in position thereby closing the under side of said dome, a socket inclosed within said member and spaced therefrom extending downwardly through an opening in said dome, and an electric light bulb positioned in said socket.

In testimony whereof I affix my signature, in the presence of two witnesses.

LINDSLEY SCHEPMOES.

Witnesses:

MAXWELL GREENBERGER,
E. E. ALLBEE.