J. H. KINGSLEY.

ELECTRIC LAMP FIXTURE.

APPLICATION FILED NOV. 19, 1910.

1,001,649.

Patented Aug. 29, 1911.

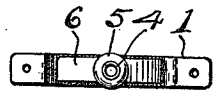

Fig. 4.

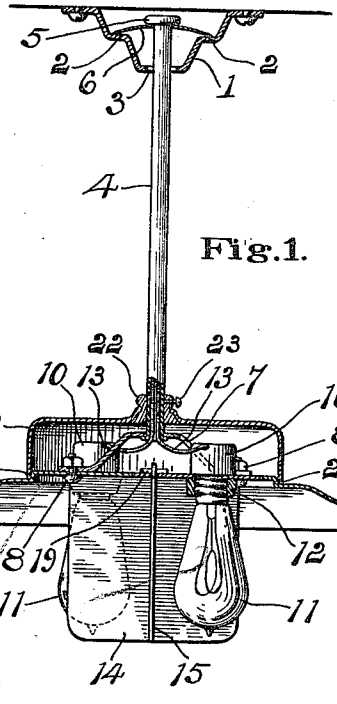

Fig. 1.

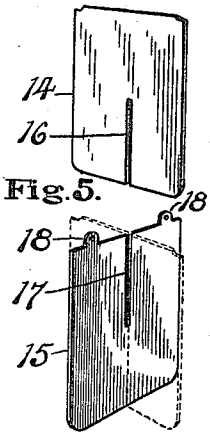

Fig. 5.

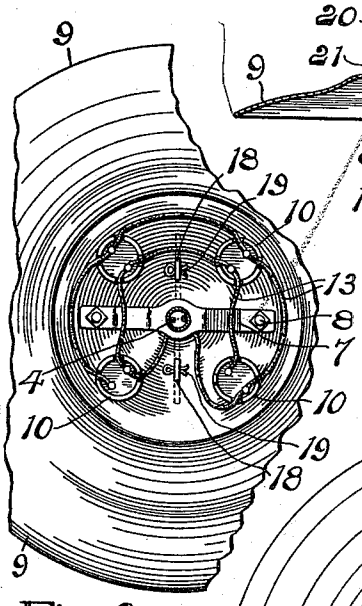

Fig. 3.

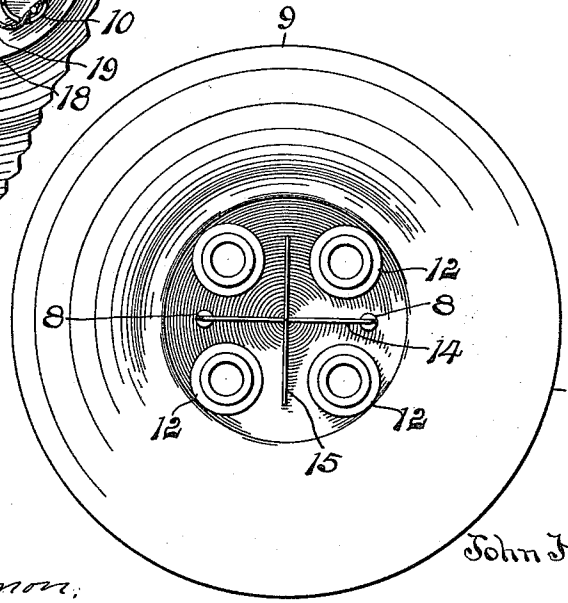

Fig. 2.

Witnesses

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ELECTRIC-LAMP FIXTURE.

1,001,649. Specification of Letters Patent. **Patented Aug. 29, 1911.**

Application filed November 19, 1910. Serial No. 593,139.

To all whom it may concern:

Be it known that I, JOHN H. KINGSLEY, a citizen of the United States, residing at Manchester, in the county of Washtenaw and State of Michigan, have invented certain new and useful Improvements in Electric-Lamp Fixtures, of which the following is a specification.

This invention relates to improvements in electric lamp fixtures and its object is to provide a simple and cheap construction having certain new and useful features in the construction and arrangement of parts, all as hereinafter more fully described reference being had to the accompanying drawing in which—

Figure 1 is a sectional view of a device embodying the invention; Fig. 2 an inverted plan view of the same; Fig. 3, a plan view of the upper side of the disk reflector with the cap removed; Fig. 4, is a plan view of the wall bracket; and Fig. 5 is a perspective view of the reflector plates detached.

As shown in the drawing 1 is a suitable wall bracket adapted to be secured to the ceiling or other support and is formed from a strip of sheet metal bent to form outwardly extending ends for securing the same to the wall and a downwardly extending portion formed with shoulders 2 and with a central opening 3 through which the upper end of a supporting tube 4 extends, said tube being provided with a suitable nut or head 5 to engage the upper side of a spring support 6 through the central opening in which the tube extends. The ends of the metal strip or spring 6 rest upon the shoulders 2 and the opening 3 is of such a diameter that the tube will be free to swing therein hanging by its head 5 from the spring. Vibration of the building or wall to which the bracket is secured is taken up by the spring and the lamp fixture is thus yieldingly supported to prevent breakage of the lamp filaments.

Secured to the lower end of the tube 4 is a suitable bracket or spider 7 having downwardly extending ends which are secured by screw bolts 8 to the upper side of a disk reflector 9 of any suitable size and shape. The disk is provided with a series of openings arranged around its center, to receive lamp sockets 10 for electric lamps 11. The sockets are secured in place by having a reduced lower end projecting through the openings in the disk and each is provided with a ring 12 having screwthreaded engagement with the reduced lower end of the socket and adapted to be turned into engagement with the lower surface of the disk to secure the socket in place. The several electrical conductors 13 connecting the lamps are led up through the tube 4 to its open upper end where they are connected with the wiring of the building.

A central downwardly projecting reflector is formed of two plates 14 and 15 which are placed at right angles to each other, the plate 14 being provided with a slot 16 extending upward from its lower end and the plate 15 being provided with a central slot 17 extending downward from its upper end. By means of these slots the plates may be engaged with each other and held thereby at right angles to each other. The plate 15 is provided with ears 18 extending upward from its upper end, and the disk reflector 9 is provided with openings to receive the ears which are formed with holes to receive pins 19 for securing the ears in place. The upper corners of the plate 14 are notched slightly so that its upper end will rest upon the lower surface of the disk and its notches will engage the grooves in the heads of the screws 8. The screws are thus prevented from turning by the engagement of the plate 14 therewith and both plates are firmly secured and held in position by the pins 19 engaging the ears 18. If found desirable the plate 9 may be formed to hold the plate 14 from turning, as by forming a depression or groove therein to receive the upper end of said plate.

To inclose and protect the upper ends of the sockets 10 and the electric wiring connecting the same, a cup shaped member or cap 20 is sleeved upon the tube 4 to rest upon the disk reflector with its lower edge engaging the shoulder 21 formed on the disk 9 by the central circular raised portion of the disk. A hub or boss 22 on the cap 20 is provided with a screwthreaded opening for a set screw 23 and by tightening this set screw against the tube 4 the cap is held in place. By loosening the set screw the cap may be raised upon the tube to give access to the lamp sockets and wiring.

What I claim is:—

1. In an electric lamp fixture, the combination with a lamp carrying member and a tube to the lower end of which said member

is secured, of a bracket adapted to be secured to an overhead support and having a downwardly extending portion provided with an opening to receive said tube, a horizontally disposed upwardly curved flat spring supported at its ends within the bracket and provided with an opening intermediate its ends to receive the upper end of the tube, and means on the upper end of the tube engaging the upper side of the spring to hold the tube loosely suspended at its upper end by said spring.

2. In a device of the character described the combination of a supporting tube, a disk secured to the lower end of said tube having a plane center portion provided with a series of openings and a marginal portion formed to form a reflecting surface surrounding the center portion, a plurality of lamp sockets in said openings, and a cap detachably held and resting upon the upper side of the disk to inclose the upper ends of the lamp sockets.

3. In a device of the character described the combination of a supporting tube, a disk secured to the lower end of said tube having a plane center portion provided with a series of openings and formed with an annular shoulder at the margin of said center portion and a formed marginal portion having a lower reflecting surface, a plurality of lamp sockets in said openings, a cap slidable upon said tube and resting upon said disk with its lower edge engaging said shoulder, and means for detachably securing the cap to the tube in engagement with the disk.

4. A device of the character described comprising a supporting tube, a horizontally disposed disk carried by said tube, lamp sockets carried by said disk, a pair of plates arranged at right angles to each other with one plate intersecting the other intermediate its ends and said plates extending downward from said disk with a lamp socket within each angle formed between the adjacent sides of the plates, and means for securing the plates to the disk.

5. A device of the character described comprising a supporting tube, a horizontally disposed disk carried by said tube and provided with a series of openings arranged concentrically around the axis of the disk, lamp sockets in said openings, a pair of plates each formed with a slot intermediate its sides extending inward from one end and said plates arranged at right angles to each other with one plate engaging the slot in the other plate, and means for securing the plates to the disk to extend downward therefrom and radially from the axis of the disk between said sockets.

6. A device of the character described comprising a supporting tube, a disk carried by said tube, a series of lamp sockets carried by the disk, a plate provided with ears at one end and a slot extending inward from said end, a second plate having a slot extending inward from its lower end, the slot in one plate being adapted to receive the other plate with the plates extending at right angles to each other, and means engaging the ears on said plate to secure the plates to the disk.

7. A device of the character described comprising a supporting tube, laterally extending arms secured to the lower end of the tube, a horizontally disposed disk provided with openings, screw bolts securing the disk to the ends of the arms with the screw heads engaging the lower face of the disk, lamp sockets secured in the openings in the disk, and a reflector plate extending downward from the lower side of the disk and detachably secured thereto with its upper edge engaging the heads of the screw bolts to prevent the turning of the bolts and to hold the plate in place.

8. A device of the character described comprising a supporting tube, a spider having laterally extending arms secured to the lower end of the tube, a reflector disk having a raised center portion forming a shoulder and provided with a series of openings arranged concentrically with the axis of the disk, lamp sockets secured in said openings, angularly disposed reflector plates extending downwardly from the lower side of the disk between the lamp sockets, and a circular cap movable longitudinally upon said tube and adapted to engage said disk adjacent to the shoulder thereof to inclose the spider and lamp sockets.

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

JOHN H. KINGSLEY.

Witnesses:
ANNA M. DORR,
OTTO F. BARTHEL.