

March 11, 1924.

1,486,568

L. H. DEBS

ELECTRIC LAMP SUPPORT

Filed May 3, 1922

Fig. 1.

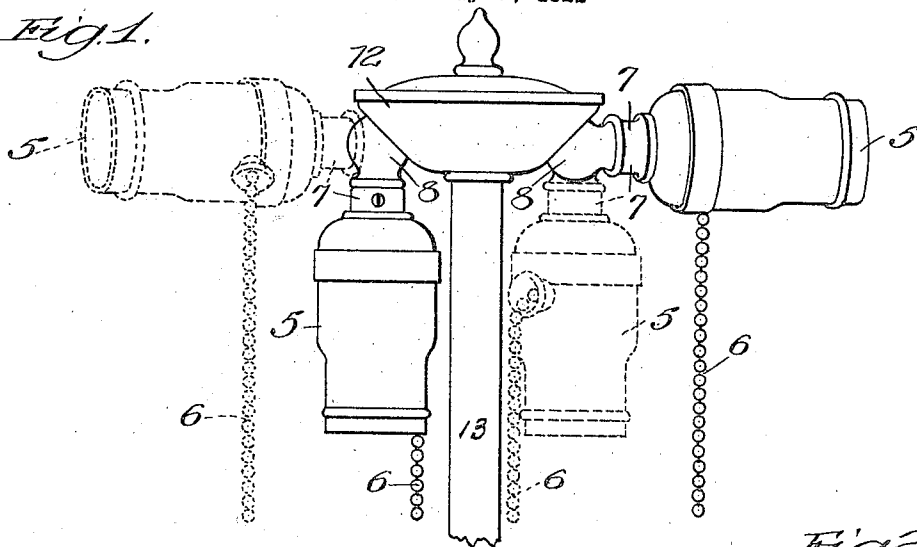


Fig. 3.

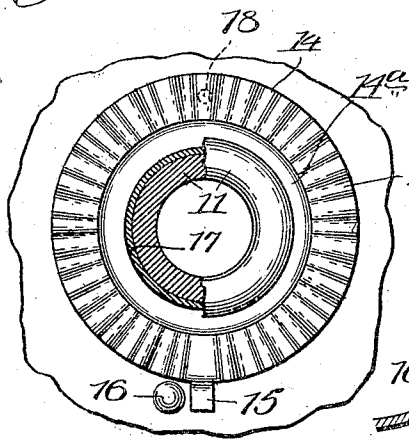


Fig. 2.

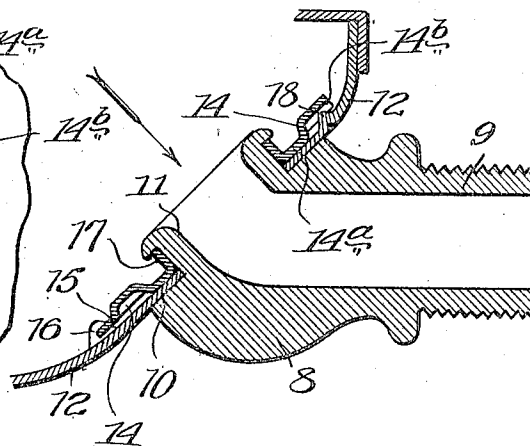
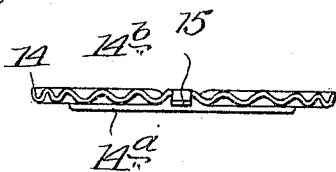


Fig. 4.



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Patented Mar. 11, 1924.

1,486,568

UNITED STATES PATENT OFFICE.

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ELECTRIC-LAMP SUPPORT.

Application filed May 3, 1922. Serial No. 558,191.

To all whom it may concern:

Be it known that I, LOUIS H. DEBS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Electric-Lamp Supports, of which the following is a specification.

My invention relates to improved means for supporting the sockets of incandescent electric-lamp bulbs on table, floor and wall lamp-fixtures and in other hanging position; and it is fully described and explained in the following specification and illustrated in the accompanying drawings, in which—

Figure 1 is a broken view in elevation of a table or floor lamp showing my improvement applied to each of a pair or cluster of the lamp-sockets thereof, which are represented respectively by full and dotted illustration in different positions of adjustment;

Figure 2 is an enlarged broken sectional view showing my improved means for adjustably securing the lamp-socket in place;

Figure 3 is a broken view, partly in section, regarded in the direction of the arrow on Fig. 2, illustrating details of construction, and

Figure 4 is an edge-view of the crimped washer detail shown in each of the two preceding figures.

An incandescent electric-lamp socket of ordinary general construction is shown at 5, that illustrated being of the type provided with a chain 6 for operating the usual switch in the socket for opening and closing the lamp-circuit. For separably connecting the socket with any suitable desired support, for which the socket is preferably provided on its head-end with an internally threaded neck 7, I provide a nipple 8, shown to be hollow or tubular and having a threaded end 9 upon which the socket-neck is screwed. The opposite end of the nipple is substantially one-half of a spherical body, or ball bisected on an angle to provide a shoulder 10 inclined relative to the axis of the nipple and having a neck 11 extending centrally from the shoulder. In the present showing, the nipple 8 is represented as rotatably connecting the lamp-socket to a cup-shaped head 12 on the upper end of the standard 13 of a lamp-fixture, such as a table-lamp, though my improvement is intended for application to any other suitable electric-lamp fixture. The body of this head

converges at an oblique angle to the axis of the standard, this angle preferably conforming to that of the shoulder 10, which is by preference one of 90 degrees.

For rotatably securing the nipple in place on a hollow head 12, the latter is perforated and a metal washer 14 is inserted in position to register its opening with that in the head. The central part of the washer is depressed, as shown at 14^a, relative to its marginal portion, which is crimped, as represented at 14^b and has a tongue 15 extending radially from it to encounter a projection 16 on the inner face of the head for arresting rotation of the nipple (and with it of the socket) at a point somewhat short of 360 degrees. The washer has its inner-edge portion about the depressed section 14^a bent to extend at a right-angle and form a collar 17, for the purpose hereinafter explained. With the washer in place, the nipple-neck 11 is inserted through the registering openings in the head and washer, when the inner end of the hollow neck is upset, as by spinning, to extend it over the edge of the neck-hugging collar 17, as shown in Figs. 2 and 3, for securing the nipple in place with the oblique shoulder 10 bearing against the adjacent surface of the head 12.

The socket-carrying nipple may thus be rotated in either direction to extend the lamp to any desired angle until arrested by the tongue 15 encountering the stop 16, although the showing in Fig. 1 represents the sockets to be turned from and to depending positions through only 180 degrees of a circle. Because of the 90-degree angular bearing of the shoulder 10, the nipple, in its lowermost position, hangs perpendicularly, as represented in Fig. 1, but in turning it the socket (with a lamp attached) passes through an arc of a sphere with the advantage of throwing the light outwardly in any desired direction.

To afford sufficient resistance for holding the nipple in any position to which it, and with it the washer are turned, but insufficient to obstruct the turning, a detent is provided at 18 (Fig. 2) to project from the inner face of the head 12 into engagement with the crimped or shallowly corrugated adjacent surface of the washer 14.

As will be understood, in cases where the electric-lamps are provided in a cluster about a hollow head, such as the head 12,

the electric wires pass through the hollow nipples and head for connecting the several lamps in the lighting circuit; but where a single-lamp fixture is provided, the nipple 8 is not necessarily tubular, but may be solid, though it is then desirable that the neck 11 be tubular for upsetting its inner end about the collar 17.

The threaded end 9 of the nipple 8, by enabling a socket to be screwed on and unscrewed from a fixture, facilitates its removal for repairs and for replacement by a socket of the same or other type.

I realize that considerable variation is possible in the details of construction herein shown and I do not intend to limit my invention thereto except as pointed out in the appended claims, in which it is my intention to claim all the novelty inherent in my invention as broadly as permissible by the state of the art.

I claim:

1. An electric-lamp fixture comprising, in combination, a vertical standard, a cup-shaped member carried by said standard and having an angular wall, an incandescent electric-lamp carrying nipple, and means for connecting said nipple to the wall of said cup-shaped member in simultaneous rotary and vertically adjustable relation thereto.

2. In combination with an electric-lamp fixture, means for rotatably connecting therewith an incandescent electric-lamp socket, comprising a nipple terminating at one end in a neck extending through an opening in said fixture, a washer secured about the inner end of said neck, and an oblique shoulder on the nipple bearing against the adjacent surface of said fixture.

3. In combination with an electric-lamp fixture, means for adjustably connecting therewith an incandescent electric-lamp

socket, comprising a nipple terminating at one end in a neck extending through an opening in said fixture, an oblique shoulder on the nipple from which the neck extends, to bear against the adjacent surface of said fixture, and a washer about and having a collar surrounding the inner end of the neck which is upset to extend over the edge of the collar for rotatably securing the nipple and collar in place.

4. In combination with an electric-lamp fixture, means for adjustably connecting therewith an incandescent electric-lamp socket, comprising a nipple terminating at one end in a neck extending through an opening in said fixture, an oblique shoulder on the nipple from which the neck extends, to bear against the adjacent surface of said fixture, a corrugated washer having a collar surrounding the inner end of the neck which is upset to extend over the edge of the collar for rotatably securing the nipple and collar in place, a tongue projecting from the washer, a stop on said fixture projecting into the path of the tongue, and a detent on said fixture engaging the corrugated surface of the washer.

5. In combination with an electric-lamp fixture, means for adjustably connecting therewith an incandescent electric-lamp socket, comprising a nipple terminating at one end in a neck extending through an opening in said fixture, an oblique shoulder on the nipple from which the neck extends, to bear against the adjacent surface of said fixture, a corrugated washer having a collar surrounding the inner end of the neck which is upset to extend over the edge of the collar for rotatably securing the nipple and collar in place, a tongue projecting from the washer, and a stop on said fixture projecting into the path of the tongue.

LOUIS H. DEBS.