(No Model.)

C. H. OTIS.

HOLDER FOR INCANDESCENT LAMPS.

No. 588,348. Patented Aug. 17, 1897.

Fig. 1.

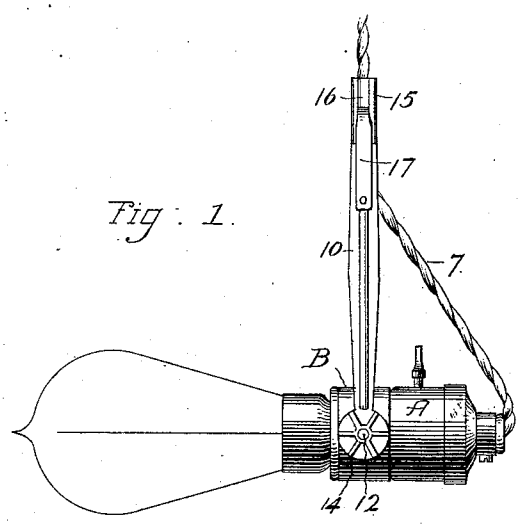


Fig. 2.

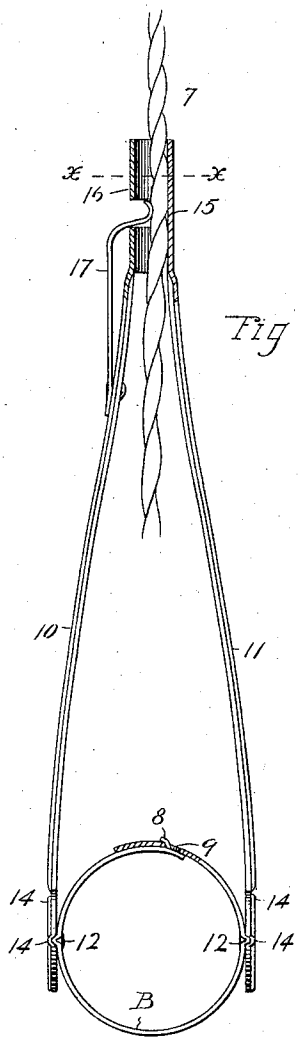


Fig. 3.

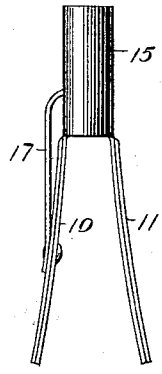


Fig. 4.

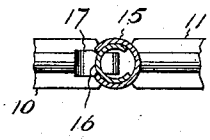


Fig. 5.

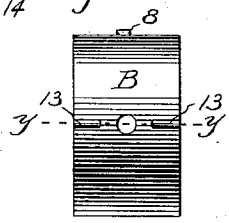
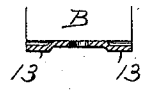


Fig. 6.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES H. OTIS, OF ORANGE, CONNECTICUT, ASSIGNOR OF ONE-HALF TO C. H. McKIRDY, OF NEW BRITAIN, CONNECTICUT.

HOLDER FOR INCANDESCENT LAMPS.

SPECIFICATION forming part of Letters Patent No. 588,348, dated August 17, 1897.

Application filed March 10, 1897. Serial No. 626,854. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. OTIS, a citizen of the United States, residing at Orange, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Holders for Incandescent Lamps, of which the following is a specification.

My invention relates to improvements in holders for incandescent lamps; and the chief object of my improvement is to provide a simple and convenient holder for suspending an incandescent lamp in any desired position.

In the accompanying drawings, Figure 1 is a side elevation of my holder together with an incandescent lamp held thereby in a horizontal position. Fig. 2 is an enlarged sectional elevation of the holder detached from the lamp, together with a portion of the feed-wires from which the holder is suspended. Fig. 3 is a side elevation of the upper end of my holder. Fig. 4 is a horizontal sectional plan on the line *x x* of Fig. 2. Fig. 5 is a detached side elevation of the clasp or collar with which the incandescent lamp is held. Fig. 6 is a sectional view of one side of said collar on the line *y y* of Fig. 5.

A designates an ordinary incandescent lamp with the insulated feed-wires 7 extending therefrom.

B is a clasp or collar for embracing the neck of the lamp A and holding the same in place. The meeting ends of this clasp are lapped one over the other, the ends being provided with a hook or pin 8 and an eye 9 for hooking them together, as best shown in Fig. 2. Two bracket-arms 10 and 11 are secured to said clasp by means of suitable pins or pivots 12 on diametrically opposite sides.

The body of the clasp B, adjacent to its pivot-bearing, is provided with projections 13, Figs. 5 and 6, and the ends of the bracket-arms are grooved at several points upon their inner face and correspondingly ridged on their outside, as at 14, whereby the projections 13 enter the grooves in the ends of the arms 10 and 11 and hold the clasp in position. The arms are pivoted loosely enough, the metal being elastic, so that the ridges 13 may be forced out of the grooves by the application of sufficient force, but at the same time they will hold the lamp against accidental displacement. The upper end of the bracket-arm 11 is provided with a spring-socket 15, open upon one side sufficiently to let the cords or wires 7 pass through it laterally, and the arm 10 is provided with a similar socket 16, but of smaller diameter, so that it fits snugly within the socket 15. Said arm is also provided with a friction-spring 17, that extends through a hole in the socket 16, to press upon the wires or cord 7 and adjustably secure the holder thereon. The arms 10 and 11 are of spring metal and are so elastic that after slipping the socket 16 upon the wires or cord 7 either a little below or above the socket 17, the two sockets may be crowded endwise one within the other, as shown.

By my improvements the lamp may be suspended at any desired height upon the cord or wires 7 by slipping the same through the sockets. The lamp may also be set in a horizontal position, as shown in Fig. 1, or inclined upwardly or downwardly by bringing the projections 13 of the clasp or collar into the desired recesses in the ends of the arms. The recesses may vary in position and number, as may be desired, so as to provide for all the adjustments that will be required.

I do not wish to limit myself to the precise details of construction, but reserve the right to make such changes as fairly fall within the spirit and scope of my invention.

I claim as my invention—

1. A holder for incandescent lamps, consisting of the clasp or collar adapted to embrace the neck of the lamp, and to be detachably secured thereon, the bracket-arms pivoted to said clasp at one of their ends, and a wire-receiving socket at the other end of said arms by which to attach them to the wires or cords, substantially as described and for the purpose specified.

2. A holder for incandescent lamps adapted to be detachably secured thereto, said holder having the bracket-arms for suspending the lamps, said arms having sockets 15 and 16 slotted upon one side, and adapted to be slipped endwise, one within the other, substantially as described and for the purpose specified.

3. In a holder for incandescent lamps, the

combination of the suspension-bracket arms, with the clasp or collar pivotally riveted to the lower ends of said arms, and shallow recesses and projections in and on said arms and collar, the same being adapted to be forced out of engagement to permit the lamp to be changed in position on its rivets by force and to spring into engagement for holding the lamp in position after being thus changed substantially as described.

CHARLES H. OTIS.

Witnesses:
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