(No Model.)

A. DAWES.

ELECTRIC LIGHT SUPPORT.

No. 444,424. Patented Jan. 13, 1891.

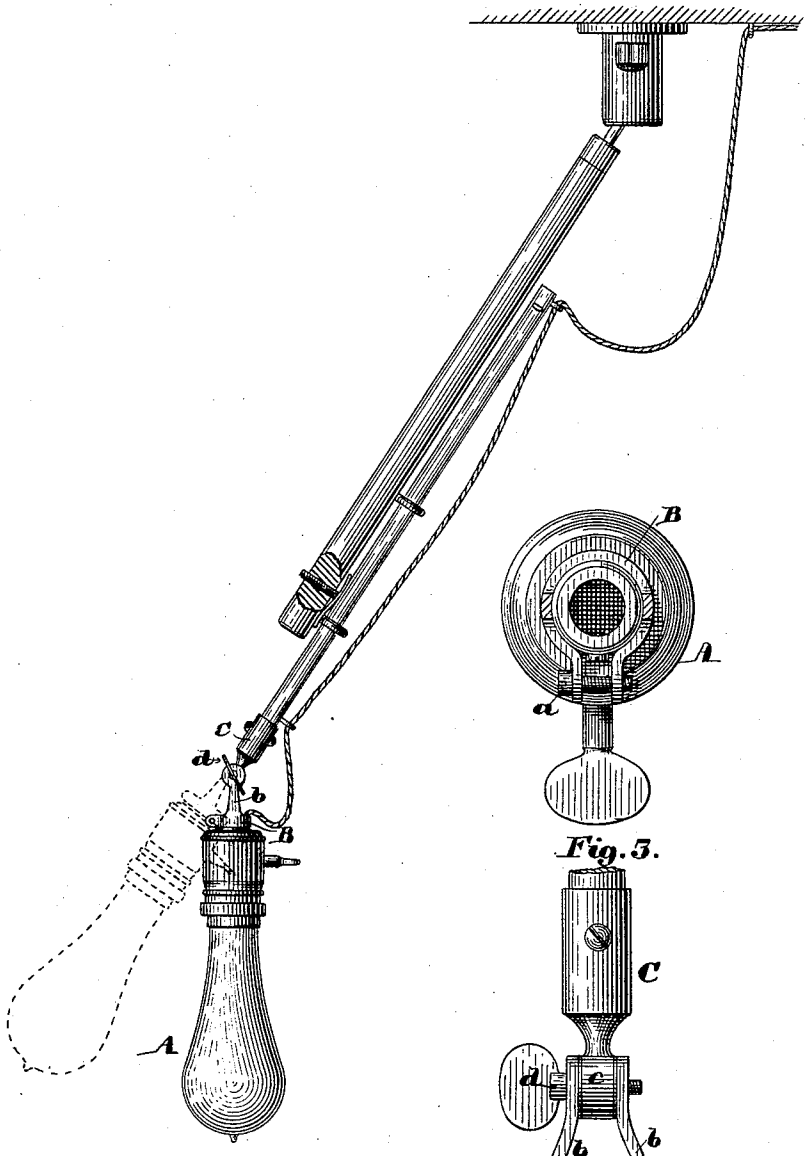


Fig. 1.

Fig. 3.

Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

ALFRED DAWES, OF CHELSEA, MASSACHUSETTS.

ELECTRIC-LIGHT SUPPORT.

SPECIFICATION forming part of Letters Patent No. 444,424, dated January 13, 1891.

Application filed January 29, 1890. Serial No. 338,481. (No model.)

To all whom it may concern:

Be it known that I, ALFRED DAWES, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Electric-Light Supports, of which the following, taken in connection with the accompanying drawings, is a specification.

My present invention relates to supports for incandescent electric lights, is an improvement upon the inventions described in Letters Patent Nos. 394,680 and 414,798, granted to me December 18, 1888, and November 12, 1889, respectively; and it consists in certain novel features of construction, arrangement, and combination of parts, which will be readily understood by reference to the description of the drawings and to the claim hereinafter given, and in which my invention is clearly pointed out.

Figure 1 is a side elevation of my improved support with the lamp attached thereto. Fig. 2 is a front elevation of the coupling device for connecting the lamp to the supporting-arm, and Fig. 3 is a sectional plan of same, the cutting plane being on line $x\ x$ on Fig. 2.

I have found in practice that when the incandescent lamp is suspended by means of the conducting wire or cord, so that it always hangs in a vertical position, whether suspended from the end of either of my patented supports or otherwise, it frequently happens that the shadows cast by the light detract very much from the usefulness of the light, and that if the lamp could be moved into a position at an angle to its normal or perpendicular position, according to the position of the object upon which it is desirable to throw the light, this difficulty would be remedied, and hence I conceived the idea of pivoting the lamp to the end of the supporting-rod by means of a clamping-joint, as shown in the drawings.

In the drawings, A is the incandescent lamp of ordinary construction, to the upper end of which is firmly secured, by means of the clamping-screw *a*, the strap or saddle B, from the upper edge of which rise the two arms *b b*, which embrace and are pivoted to the boss *c* on the closed end of the thimble C by means of the clamping-screw *d*, so constructed and fitted that by tightening said screw the friction between the outer surfaces of the boss *c* and the inner surfaces of the upper ends of the arms *b b* may be so increased that the lamp will be held in any position to which it may be moved about the axis of the clamping-screw *d*, as indicated in dotted lines in Fig. 1.

The thimble C is fitted upon and firmly secured to the end of the adjustable rod of either of my patented supports hereinbefore referred to, and the connecting wire or cord *e* is made of sufficient length to permit the adjustment of the supporting-rods to their greatest length and the movement of the lamp about the clamping-screw pivot *d* without bringing any strain on the wire.

The rod *f* is mounted in bearings in the eyes set in the rod *g*, so that it may be moved endwise and rotated therein, and is pressed against its bearings by the spring *h* with sufficient force to retain it in any position in which it is placed in said bearings. By the employment of this coupling for connecting the lamp to the adjustable arm and rotation of the rod *f* the lamp may be placed in any desired position and retained in said position by friction, so that the light may be thrown where it will do the most good, which is a great advantage.

Another advantage is that all strain is removed from the conducting-wire, and as a consequence the insulation thereon will last much longer than when the lamp is suspended thereby.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

In combination with an incandescent electric lamp and an adjustable supporting-arm, a strap or saddle clamped to said lamp and provided with upwardly-projecting arms, a thimble or socket secured to the end of said supporting-arm and provided with a boss at its end, and a clamping-screw pivot passing through said boss and the upper ends of the arms of the strap or saddle, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 25th day of January, A. D. 1890.

ALFRED DAWES.

Witnesses:

N. C. LOMBARD,

WALTER E. LOMBARD.