

(No Model.)

E. F. GENNERT.

ADJUSTABLE NIPPLE FOR INCANDESCENT ELECTRIC LAMPS.

No. 381,921.

Patented May 1, 1888.

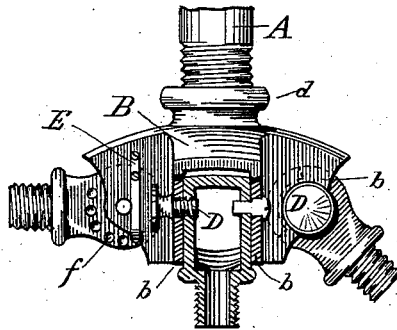


Fig. 1.

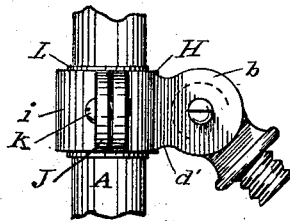


Fig. 3.

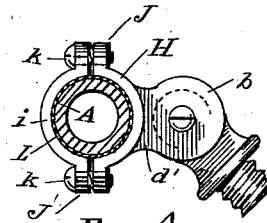


Fig. 4.

Fig. 2.

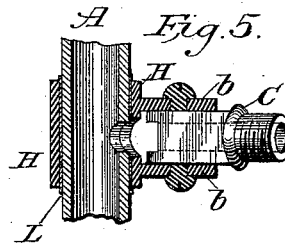
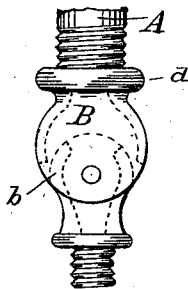


Fig. 5.

WITNESSES:

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ADJUSTABLE NIPPLE FOR INCANDESCENT ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 381,921, dated May 1, 1888.

Application filed December 2, 1887. Serial No. 256,730. (No model.)

To all whom it may concern:

Be it known that I, EMIL F. GENNERT, a citizen of the United States of America, and a resident of the city of Brooklyn, Kings county, State of New York, have invented a new and useful Improvement in Adjustable Nipples for Incandescent Electric Lamps, of which the following is a specification.

My invention relates to appliances for incandescent electric lighting, the object being to provide a nipple on which to screw the lamp, which will be capable of adjustment at will to any required angle—horizontal, vertical, or intermediate—this being in many instances a desirable thing to do, notably in the case where a lamp projecting horizontally from its holder is found to have an incandescing filament which droops and is liable to touch the glass and cause it to break. Again, whenever several lamps project from one holder or cluster and are surrounded by an outer globe it has heretofore been found necessary to remove the lamps from their nipples in order to remove or to place the outer globe, and then to replace them again inside the globe after it has been put in place, which is a very troublesome thing to do. Again, it is frequently desirable to adjust incandescent electric lamps to particular angles, so as to get the best effect both in appearance and in light.

My invention is designed to fill the want felt in such cases as above stated; and it consists in the combination of a body-boss and nipple in such manner as to constitute a joint or pivoted device, through the interior of which an opening extends, which is adapted for the passage of wires for conducting electricity to and from the lamps.

It consists, also, in the combination of a yoke adapting a body-boss for attachment to intermediate places on a rod or tube.

In the accompanying drawings, which form part of this specification, Figure 1 represents a cluster body-boss having three nipples, the front nipple being shown in section. Fig. 2 shows a side view of a single body-boss, dotted lines outlining interior. Fig. 3 shows a side view of a body-boss adapted to clamp on a vertical rod or tube. Fig. 4 shows a side view of a body-boss adapted to clamp on a horizontal rod or tube. Fig. 5 is a cross-section

of Fig. 4, the tube and socket being shown in central section.

Like letters are used to designate like parts in each figure.

A is a portion of the pipes ordinarily used for conveying the conducting-wires. B is the body-boss, which is secured thereto by any suitable means, a screw-connection, as shown, being preferable. Flanges *b b*, which are made in one piece with the boss B, may be made in any fanciful form suitable. They are, however, positioned parallel to each other at such distance apart as to adapt them as pivotal bearings for the nipple C, which is made substantially in the form shown and is pivoted between them in a manner to admit of free movement. One of the pivots D may be a set-screw, and adapted to serve for securing the nipple C rigidly in any position to which it may be adjusted; or, if it is preferred for that purpose, a snap-spring, E, may be secured to the body-boss, and adapted with a pointed end to engage in the holes or countersinks in the sides of the nipple, as shown at *f*.

The free end of the nipple C is adapted to receive and hold connected an incandescent electric lamp, such as the ordinary ones of commerce. An opening extends longitudinally through the nipple C and communicates with a similar opening through the body-boss, which in turn communicates with the interior of the pipes A, which convey the electric conducting-wires. These openings are adapted to serve as a passage for the electric conducting-wires through the joint formed by the pivoting of the nipple C to the body-boss B, and afford the facilities for making the proper connection between the wires of the pipes A and the wires of the incandescent electric lamp, where they will be covered and hidden by the parts forming the joint. In making this connection to a cluster of lamps the two leading-in wires can be branched within the body-boss into as many pairs as there are nipples, and a pair of wires lead through each nipple, respectively, as there is ample room therein.

A modification adapting a body-boss for attachment to any point on a rod or tube is shown by Figs. 3 and 4. The neck *d*, instead of being formed into a hollow internally-threaded socket, is formed in yoke shape, as shown,

thus forming a half-round socket, H, adapted to partially embrace a rod or tube, and is provided with lugs J J, to which a detachable bar, i, is adjustably secured by means of set-screws 5 k k. This bar is preferably semi-annular in form, having its ends turned out to form lugs J' J', adapting it for the purpose. The mode of attaching it to a rod or tube is obvious and need not be stated; but I prefer to use between 10 it and the rod or tube a ring of non-conducting material, as shown by L, so as to insulate the body-boss. In this case the leading-in wires enter the body-boss between the flanges b b, either above or below at the neck d'. 15 It will be seen that an essential feature in my invention is construction of the parts, so that an open way extends through the interior of the joint, articulating the body-boss B and the nipple C, through which electric conduct- 20 ing-wires may be freely strung.

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

1. In lamp appliances for electric lighting, 25 an adjustably-jointed lamp-holder consisting of the combination of a hollow body-boss and

a hollow nipple adjustably pivoted together, the hollow of the one communicating with the hollow of the other, and constituting a piv- 30 oted joint, having an open way through its interior for free passage of electric conducting-wires, substantially as described.

2. In lamp appliances for electric lighting, the combination of a yoke adapted to embrace 35 a rod or pipe, a body-boss provided with suitable means for the pivoted articulation of a nipple, and a hollow nipple adjustably piv- 40 oted to the said body-boss, the hollow of said nipple extending through the pivotal articulation and communicating with the hollow of the body-boss, forming an open way through the interior of the joint for the free passage of electric conducting-wires, substantially as de- 45 scribed.

In testimony that I claim the foregoing as my 45 invention I have signed my name, in presence of two witnesses, this 28th day of November, 1887.

EMIL F. GENNERT.

Witnesses:

F. W. BELMONT,
H. R. MASSEY.