(No Model.)

J. KINTZ.

ELECTRIC LIGHT FIXTURE.

No. 447,832. Patented Mar. 10, 1891.

Fig. 1

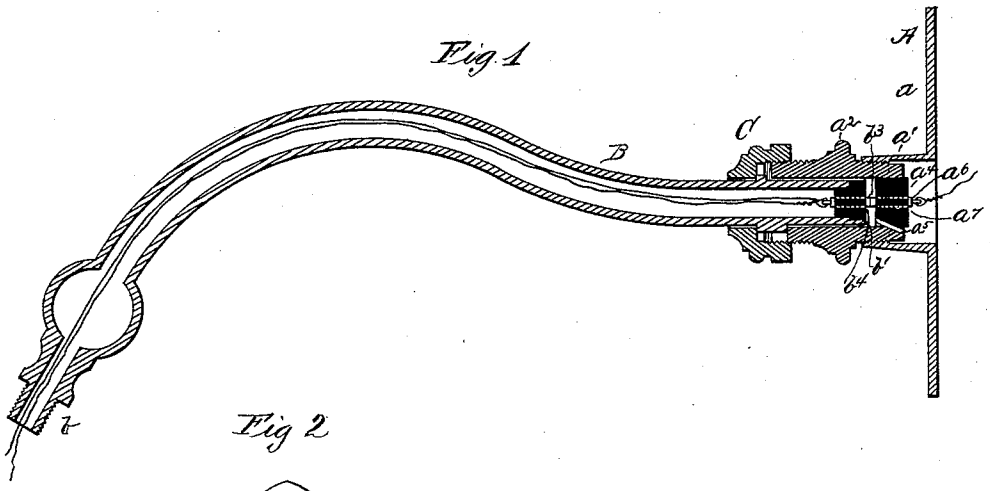


Fig 2

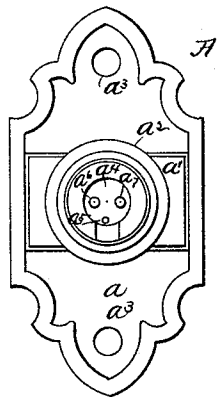


Fig. 3

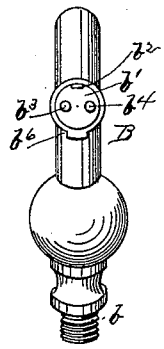
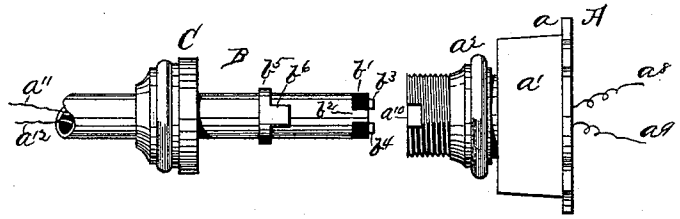


Fig. 4



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

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ELECTRIC-LIGHT FIXTURE.

SPECIFICATION forming part of Letters Patent No. 447,832, dated March 10, 1891.

Application filed May 15, 1890. Serial No. 351,868. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH KINTZ, of Ballard Vale, in the county of Essex and State of Massachusetts, have invented a certain new and useful Improvement in Electric-Light Fixtures, of which the following is a specification.

I will describe a fixture embodying my improvement, and then point out the novel features in the claims.

In the accompanying drawings, Figure 1 is a central longitudinal section of an electric-light fixture embodying my improvement. Fig. 2 is an end view of the main part or upper section. Fig. 3 is an end view of an arm or secondary part. Fig. 4 is a bottom view of the two parts or sections detached.

Similar letters of reference designate corresponding parts in all the figures.

A designates the main part or upper section. It consists of a plate a, having a forwardly-extending hollow projection a' and a nipple or socket a^2 projecting from the latter. This part may be secured in any suitable manner to a wall or any other support—as, for instance, by screws passing through holes a^3 in the plate a. The projection a' is shown as of rectangular form and as cast integral with the plate a. The nipple or socket a^2 may be made separately and provided with a shank having an external screw-thread and fitting in and engaging a tapped hole in the forward part of the projection a'. In the back of the nipple or socket a^2 a block a^4, of wood or like material, is inserted. Preferably it will be driven tightly into place, or it may be secured in position in any desirable manner. A pin a^5, extending longitudinally into the nipple or socket and block, acts as a key, preventing the rotation of the block independently of the nipple or socket.

a^6 a^7 designate two electrodes extending longitudinally through the block a^4. As here shown, these electrodes consist of wires driven into the block side by side, and having at the rear end eyes, with which wires a^8 a^9, forming part of an electric circuit, are connected. At the front end these electrodes project slightly beyond the block.

B designates an arm or secondary section of the electric fixture. It is made in the form of a tube constructed at one end to fit the nipple or socket a^2 and provided at the other end with a nipple b, to which an electric lamp may be fastened. The end which enters the nipple or socket a^2 is provided with a block b', of wood or like material. Preferably this will be driven into place. As shown, it has a notched flange-like portion projecting beyond the main portion of the part or section B. The part or section B has, however, a lug b^3, which extends into a notch in the flange-like portion of the block, interlocking therewith, so as to prevent any rotary movement of the block. Electrodes b^3 b^4 are inserted in the block b' in positions corresponding to the electrodes a^6 a^7. They may be made like the electrodes a^6 a^7 and inserted to project slightly beyond the protruding end of the block. Wires a^{11} a^{12} may be engaged with them and extended through the part B to its nipple b for connection with a lamp.

Around the part B, near the end which engages with the socket, is a circumferential rib b^5, which may be formed upon or attached to the part in any suitable manner. When the end of the part B is inserted in the nipple or socket, this rib will be close to the outer extremity of the nipple or socket. The electrodes b^3 b^4 will then bear against the electrodes a^6 a^7. The part B is also provided with a longitudinal rib b^6. This will project into a notch a^{10}, with which the nipple or socket is provided, and will thereby preclude any rotary movement of the part B relatively to the part A.

C designates a coupling-piece, consisting of a ring surrounding the part B forward of its rib b^5 and having an internally-screw-threaded flange which will extend over the said rib and engage with the externally-screw-threaded forward outer end of the nipple or socket b^2.

When the two parts A and B are fitted together, the rib b^6 will interlock with the notch a^{10} and insure a proper meeting of the two pairs of electrodes, and the coupling-piece will maintain an efficient contact between them. The projection of the electrodes b^3 b^4 will be such that when the coupling-piece is engaged these electrodes will be forced into contact with the electrodes a^6 a^7 before the

circumferential rib b^5 on the part B will reach the opposite end of the nipple or socket a^2, and also before the extremity of the longitudinal rib b^6 can reach the bottom or inner end or the notch a^{10} in the nipple or coupling-piece.

By my improvement I produce a very simple electric fixture which may readily have its sections separated and reunited in proper relation.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In an electric fixture, the combination of a main part or section provided with a nipple, a plug inserted in the back part of the nipple, electrodes fitted in said plug and protruding from the forward end of the plug, a secondary part or section made in the form of a tube, a plug fitting in the inner end of said secondary part and having a flange-like portion lapping over said end of the secondary part and a notch in said flange, a rib or tongue on the secondary part entering the notch of the flange, electrodes in the last said plug, and a coupling-piece connected with the one part and engaging with the other, substantially as specified.

2. In an electric fixture, the combination of a main part or section composed of a plate-like portion having a hollow forward or outward projection and a nipple inserted in said projection and constructed so as to be open at both ends, a plug inserted at the back end of said nipple, electrodes arranged in said plug, a secondary part or section made in the form of a tube of a size to enter the outer end of the nipple, a plug in said secondary section, electrodes in said plug, and a coupling-piece connected with the one part and engaging with the other, substantially as specified.

JOSEPH KINTZ.

Witnesses:
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