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F. W. WINBOLT.

SUPPORT FOR INCANDESCENT ELECTRIC LAMPS.

APPLICATION FILED MAR. 17, 1903.

NO MODEL.

Fig. 1.

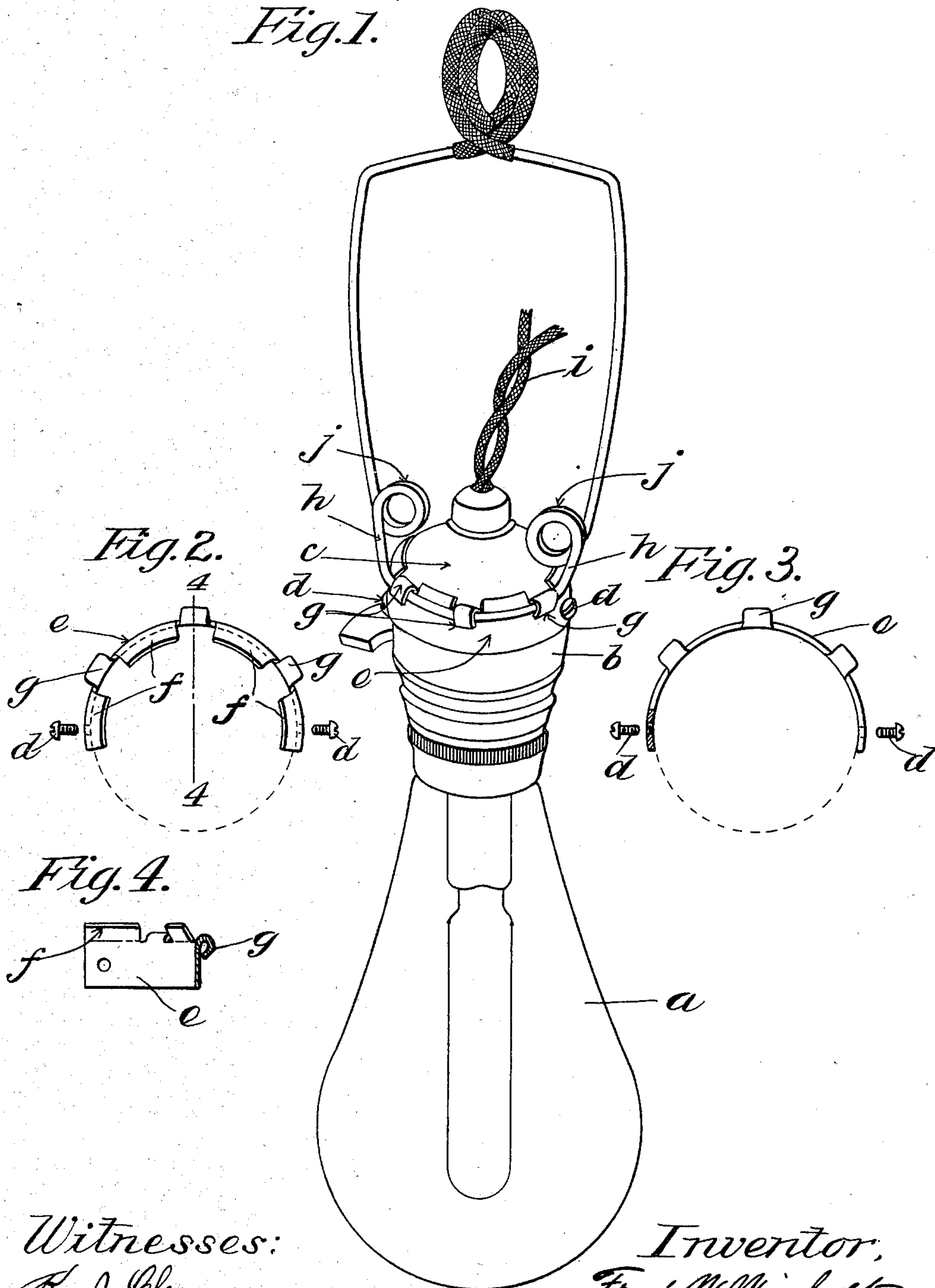
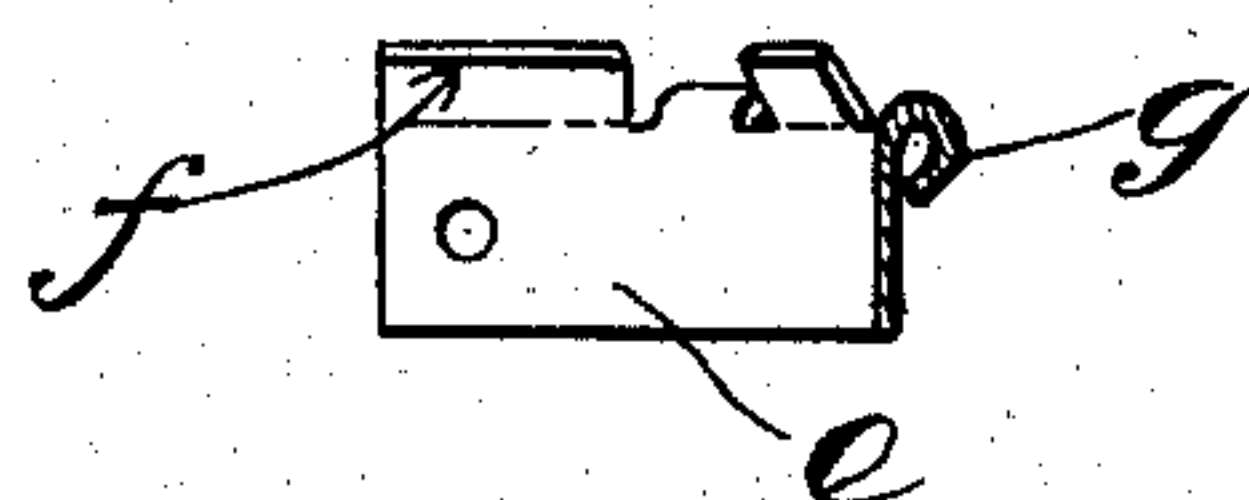


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SUPPORT FOR INCANDESCENT ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 731,829, dated June 23, 1903.

Application filed March 17, 1903. Serial No. 148,258. (No model.)

To all whom it may concern:

Be it known that I, FRED W. WINBOLT, a citizen of the United States of America, residing at Springfield, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Supports for Incandescent Electric Lamps, of which the following is a specification.

This invention relates to supports and cable-take-up devices for incandescent electric lamps, the object of the invention being to provide a support for this purpose which may be rigidly secured to the lamp-socket at a point on the latter where it will not interfere either with the manipulation of the key or with the attachment to the socket of a shade or of a protector for the lamp.

A number of devices have been devised for suspending incandescent lamps; but little or no attention has been paid to the manner of securing the device to the socket in such a way as to leave the latter from the key downward free and unencumbered, and with these old devices attached to a lamp it is very difficult and frequently impossible to apply a guard or shade thereto.

This invention consists in attaching to the top of the socket a member rigidly secured thereto, to which are rigidly attached clamping devices having spring-jaws extending away from the socket, which may be used either to grasp the cable of the lamp or some other object on which the lamp is to be supported.

In the drawings forming part of this application, Figure 1 is a perspective view of an incandescent electric lamp having this invention applied thereto. Fig. 2 is a top plan view of that part of the device which is secured to the lamp-socket. Fig. 3 is a similar view of a slightly-modified form of the device shown in Fig. 2. Fig. 4 is a sectional view on line 4 4, Fig. 2.

Referring now to the drawings, *a* is a lamp of the usual construction, and *b* indicates a socket therefor. Almost without exception these lamps are provided with a dome-like cap *c*, which is secured to the socket by means of screws *d*. In this invention these screws are utilized to clamp to the socket a semicircular piece or member *e*, (shown in Fig. 2.)

the upper edge of which is turned inwardly in the form of a narrow flange *f*, which will bear on the top of the socket, to the end that when the screws *d* are tightened this piece *e* will be practically immovable, owing to the shape of the piece and the location of this flange. Portions *g* of this flange are bent outwardly and over a wire *h*, which encircles the upper portion of this semicircular piece *e*, the opposite ends of said wire *h* extending away from the socket, preferably above it, these ends being brought together and crossed, the extremities thereof preferably bent in the form of a circle, as shown, the plane of which lies transversely to the axis of the wire *h*, the said extremities constituting clamps, between which the cable *i* of the lamp may be grasped, the clamps being opened by pressing together the oppositely-located upwardly-extending wires *h*, the spring of which serves to close the jaws of the clamp. If it is desired that the clamp be strong enough to support the lamp on some object other than the cable, then coiled springs *j* may be formed in the wire *h* at some point therein, preferably near the top of the socket. The member *e*, which partially encircles the top of the socket, may be made of some cast metal of such a nature as to permit the ears *g* to be bent over the wire-support *h*, or these members may be punched out of some suitable metal and bent into shape.

In Fig. 3 I have shown the member *e* as made without the intumed flanged portion extending over the top of the lamp-socket, and while if this member were so made it might serve reasonably well I prefer to manufacture it as shown in Figs. 1 and 2. The construction, however, shown in Fig. 3 I deem to come within the scope of the invention, though when so constructed it should preferably be made a little wider than if constructed with the flanged portions around its upper edge, whereby a firmer bearing may be obtained.

I am aware that it is not broadly new to make a support for electric lamps having devices secured to the socket thereof for suspending the lamp by grasping the cable or some other object, and broadly I make no claim therefor.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A support for incandescent electric lamps consisting of a spring-clamp to grasp the lamp-cable or other object, a rigid piece, as *e*, the upper edge of which is turned inwardly, adapted to partially encircle the socket of a lamp, said intumed edge bearing on the top of the socket; means for attaching the spring-clamps to said rigid piece and screws to secure said rigid piece to the latter.

2. The combination with the socket of an incandescent electric lamp, of a member adapted to partially encircle the socket; a separate clamping device made of wire, one central portion of which is secured to said mem-

ber, and the ends of which extend away from the lamp and are crossed, whereby the spring of the wire will cause said crossed ends to constitute a clamp to grasp the lamp-cable or other object, and means to rigidly secure said member to the socket above the key.

3. A support for incandescent electric lamps consisting of a clamp made of spring metal to grasp the lamp-cable or other object; a rigid piece as *e* adapted to fit closely against one side of the socket, means for securing said clamp to said rigid piece *e*, and screws to secure said rigid piece to the socket.

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Witnesses:

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