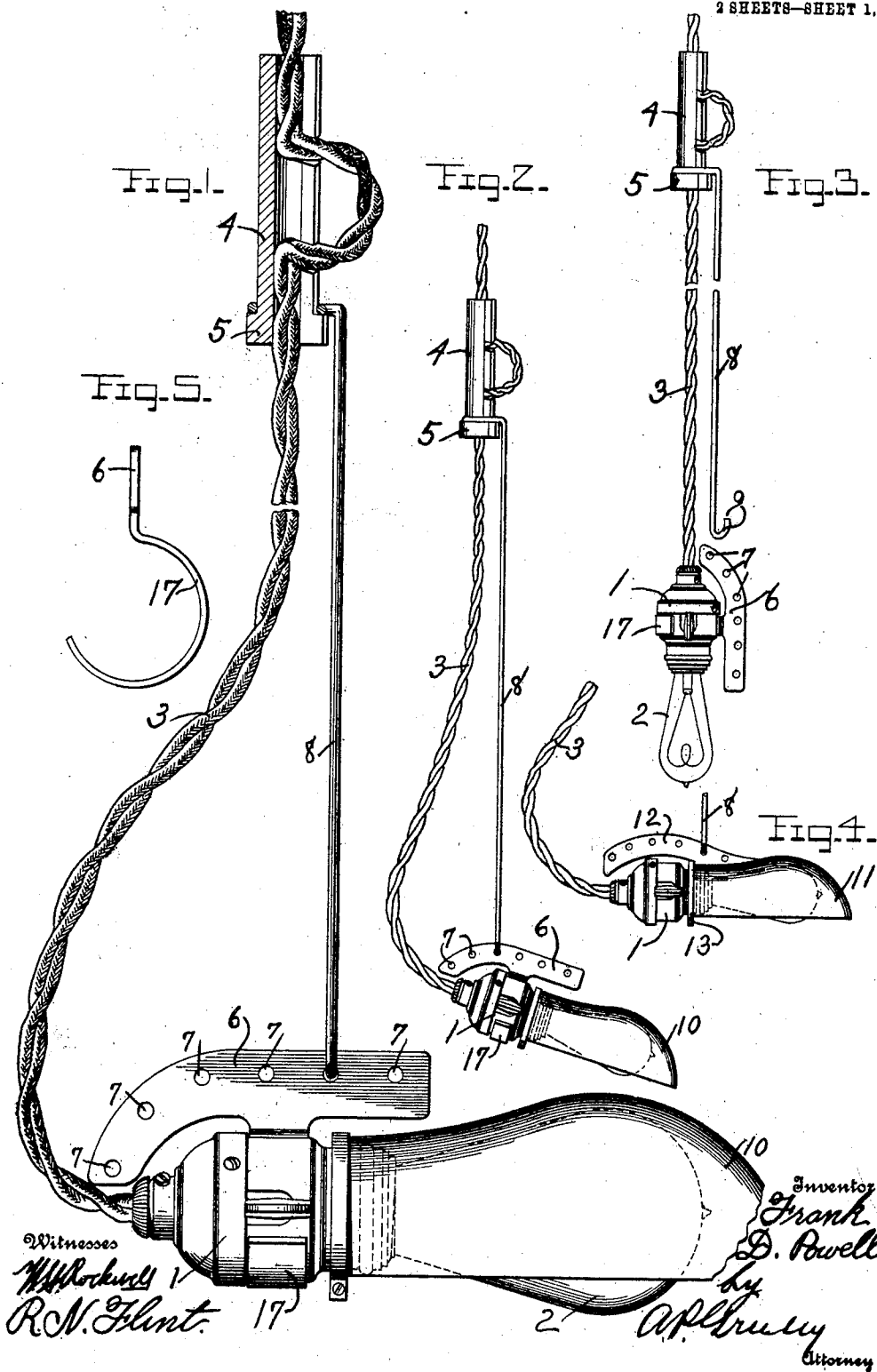


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APPLICATION FILED AUG. 8, 1908.

933,664.

Patented Sept. 7, 1909.

2 SHEETS—SHEET 1.



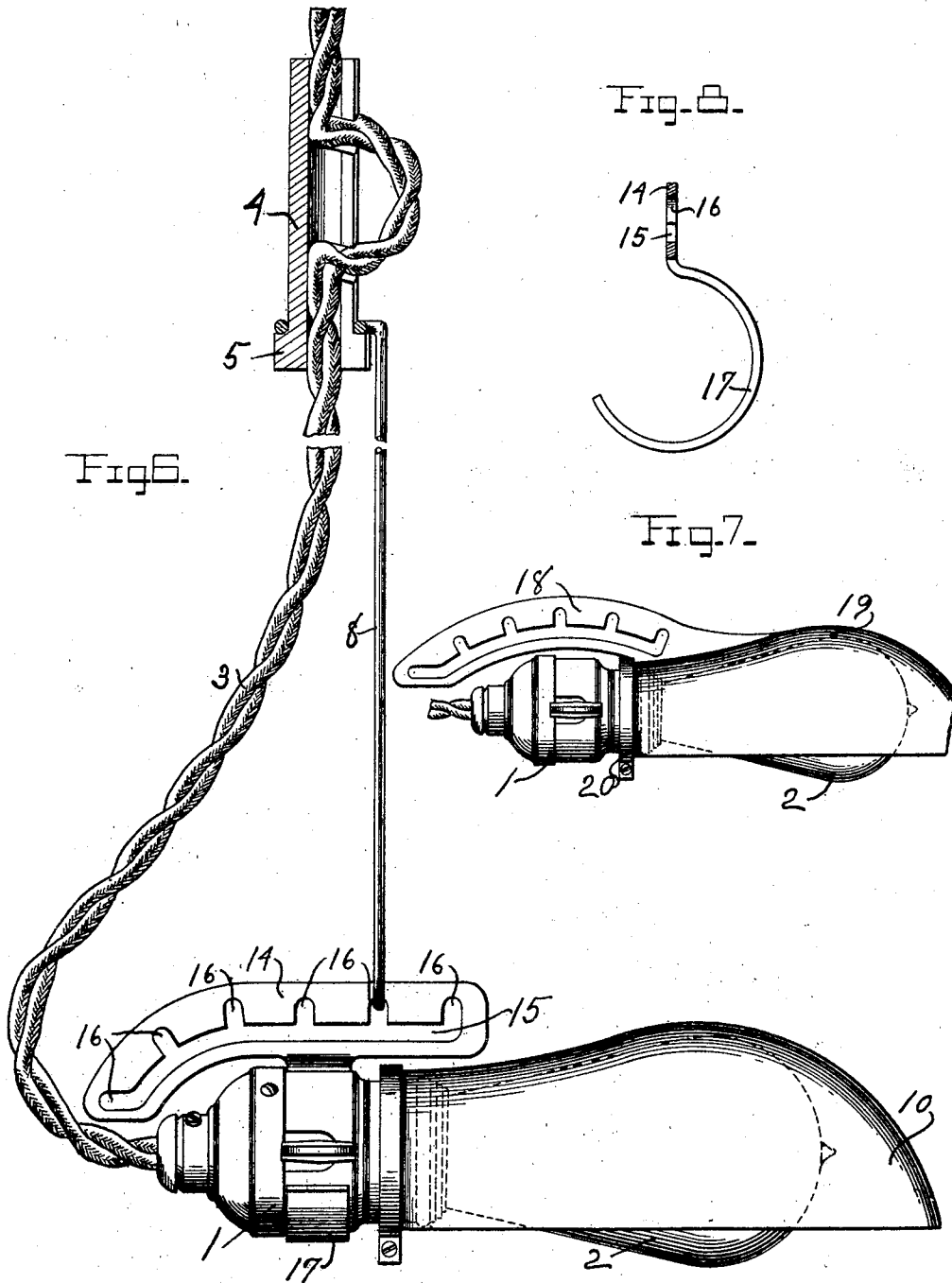
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UNITED STATES PATENT OFFICE.

FRANK D. POWELL, OF MONROE, MICHIGAN.

SUPPORT FOR INCANDESCENT ELECTRIC LIGHTS.

933,664.

Specification of Letters Patent.

Patented Sept. 7, 1909.

Application filed August 8, 1908. Serial No. 447,562.

To all whom it may concern:

Be it known that I, FRANK D. POWELL, a citizen of the United States, residing at Monroe, in the county of Monroe, State of Michigan, have invented certain new and useful Improvements in Supports for Incandescent Electric Lights, of which the following is a description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to a supporting device for incandescent electric lights; and the object thereof is to provide a support co-operating with the cord containing the conducting wires for supplying a current of electricity to the lamp, which support shall be capable of adjustment so that the height at which the lamp is supported, and the angle at which the lamp is supported, may be varied and adjusted to suit the requirements of the user.

A further object of my invention is to provide a support which may be cheaply and easily manufactured, and which may be readily attached to the ordinary types of electric lights now upon the market.

With the above object in view my improved support consists in the device illustrated in the accompanying drawing, described in the following specification, and particularly claimed in the clauses of the concluding claims.

In the drawing: Figure 1 is a view of my device, the light being supported in a horizontal position; Fig. 2 is a view reduced in size and showing the light supported in an inclined position; Fig. 3 is a reduced view showing the lamp hanging vertically; Fig. 4 is a reduced view showing a portion of my device as slightly modified in form; Fig. 5 is an end view of the form of adjusting member shown in Figs. 1 to 4; Fig. 6 is a view wherein a different form of adjusting member is illustrated; Fig. 7 is a view similar to that of Fig. 4, but wherein the form of adjusting member of Fig. 6 is shown; and Fig. 8 is an end view, partly in section, of the form of adjusting member shown in Figs. 6 and 7.

1 represents a socket of ordinary form adapted to receive a lamp bulb 2 and provided with a cord 3 within which are the conducting wires adapted to supply a current of electricity to the lamp.

4 is a cord adjuster which may be of any

approved form, the purpose of which is to vary the length of the cord, to thereby adjust the lamp as a whole vertically in a manner well understood, and said adjuster is provided with a projecting flange 5 at its lower end.

6 is an adjusting member adapted to support and to adjust the position of the light, and formed preferably from thin sheet metal and extending longitudinally of the socket 1 and bulb 2; said support being preferably curved as shown. The adjusting member 6 is attached to the socket 1 in any suitable way, the drawing illustrating the support as provided with a projecting portion 17 adapted to extend around the socket as shown, and said adjusting member is provided with a plurality of holes 7 disposed longitudinally thereof for varying the angle which the light will assume when suspended by a support fitting loosely in one of said holes.

8 is a supporting member for the adjusting member 6 and light carried thereby, which support is illustrated as made of wire, but which may obviously assume other forms, as a cord or chain, so long as it performs its function of supporting the light. The upper end of this support is in engagement with the cord adjuster 4, and the lower end thereof is provided with means, as a hook 9, loosely engaging any one of the plurality of holes 7, with which the adjusting member 6 is provided; from which it will be obvious that the angle assumed by the light will depend upon the location of the point of support, that is upon which one of the holes 7 is engaged by the hook 9, with reference to the center of gravity of the light as a whole.

Such being the construction of my device, it will be obvious that the light will be supported from the cord 3 by means of the cord adjuster 4, supporting member or wire 8, and adjusting member 6, and that the angle at which the lamp is supported may be varied and will depend upon which one of the holes 7 is engaged by the hook 9 at the lower end of the support 8. The vertical position of the lamp as a whole may be varied by means of the cord adjuster 4.

The lamp will ordinarily be provided with a shade 10 supported from the socket 1, and the adjusting member may be attached to and carried by the shade as shown in Fig. 4,

in which 11 represents a shade and 12 a modified form of adjusting member secured to the shade, and which adjusting member is attached to the socket 1 mediately by means of the expansible ring 13, with which shades are ordinarily provided and whereby they are secured in position.

If the light is to hang freely in a vertical position the support 8 is unhooked from the adjusting member 6 as shown in Fig. 3.

While I have described the adjusting member of my device as provided with a plurality of holes with one of which the supporting member engages, I may use the form of adjusting member illustrated in Fig. 6. The adjusting member 14 illustrated in this view is provided with a long slot extending longitudinally thereof, with which slot a plurality of short transverse slots communicate, thereby forming in effect a number of notches or recesses with any one of which the lower end of the supporting member 8 may engage. This form of adjusting member facilitates a rapid adjustment of the light, as the adjusting member need not be wholly disengaged from the supporting member in order to adjust the light, the light being simply lifted up and the adjusting member moved past the supporting member when the lamp is to be adjusted, as will be understood from the drawing.

The form of adjusting member shown in Fig. 6 may be attached to and carried by a shade, as shown in Fig. 7, in which 18 is the adjusting member, 19 a shade and 20 an expansible ring whereby the shade is secured to the socket 1.

Having thus described my invention and explained the mode of operation thereof, I claim and desire to secure by Letters Patent:

1. In a device of the class described, an adjusting member provided with means whereby it may be attached to an electric light socket and when so attached will be disposed adjacent to, and will extend longitudinally of the socket and of the light carried thereby; a support carried by the cord through which current is supplied to the light, and a supporting member the upper end of which engages with said support and the lower end of which engages with said adjusting member, the connection between the lower end of said supporting member and said adjusting member being loose to thereby permit the light to take a position dependent upon the location of the point of engagement between said members, and the construction of said adjusting member being such that the point of engagement between said members may be shifted longitudinally of the adjusting members.

2. In a device of the class described, an adjusting member provided with means whereby it may be attached to an electric

light socket and when so attached will be disposed adjacent to, and will extend longitudinally of the socket and of the light carried thereby, said adjusting member being provided with a series of holes arranged longitudinally thereof; a supporting member provided with a hook at its lower end and adapted to engage one of the holes in said adjusting member to thereby support said member and the light to which it is attached; and means adapted to engage the cord through which current is supplied to the light for supporting the upper end of said supporting member.

3. In a device of the class described, an adjusting member provided with means whereby it may be attached to an electric light socket and when so attached will be disposed adjacent to, and will extend longitudinally of the socket and of the light carried thereby, said adjusting member being provided with a series of holes arranged longitudinally thereof; a supporting member provided with a hook at its lower end and adapted to engage one of the holes in said adjusting member to thereby support said member and the light to which it is attached; and a cord adjusting device adapted to be supported by and to adjust the length of the cord through which the light is supplied with a current of electricity, the upper end of said supporting member being supported by said cord adjusting device.

4. In a device of the class described, an adjusting member provided with means whereby it may be attached to an electric light socket and when so attached will be disposed adjacent to, and will extend longitudinally of the socket and of the light carried thereby; a supporting member adapted to engage said adjusting member to thereby support said adjusting member and the light to which it is attached; a cord adjusting device adapted to be supported by and to adjust the length of the cord through which the light is supplied with a current of electricity, and with which cord adjusting device the upper end of said supporting member is connected; and means whereby the point of engagement between said supporting member and said adjusting member may be shifted longitudinally of said adjusting member, the connection between said supporting and adjusting members being loose to thereby permit the light to take a position dependent upon the location of the point of engagement between said members.

5. In a device of the class described, an adjusting member adapted to extend longitudinally of and be disposed adjacent an electric light socket, and having a series of holes arranged longitudinally of said member, and having also a projecting portion intermediate its ends and adapted to extend

around the socket, whereby said adjusting member may be secured to an electric light socket.

6. In a device of the class described, a
5 shade; means carried by said shade and adapted to engage an electric light socket to thereby secure said shade to the socket; and an adjusting member carried by said shade and adapted to extend longitudinally of and

to be disposed adjacent the socket, said ad- 10
justing member being provided with a series of holes arranged longitudinally thereof.

This specification signed and witnessed
this first day of August A. D. 1908.

FRANK D. POWELL.

In the presence of—

W. W. CAMPBELL,

W. A. HANNA.