

No. 695,646.

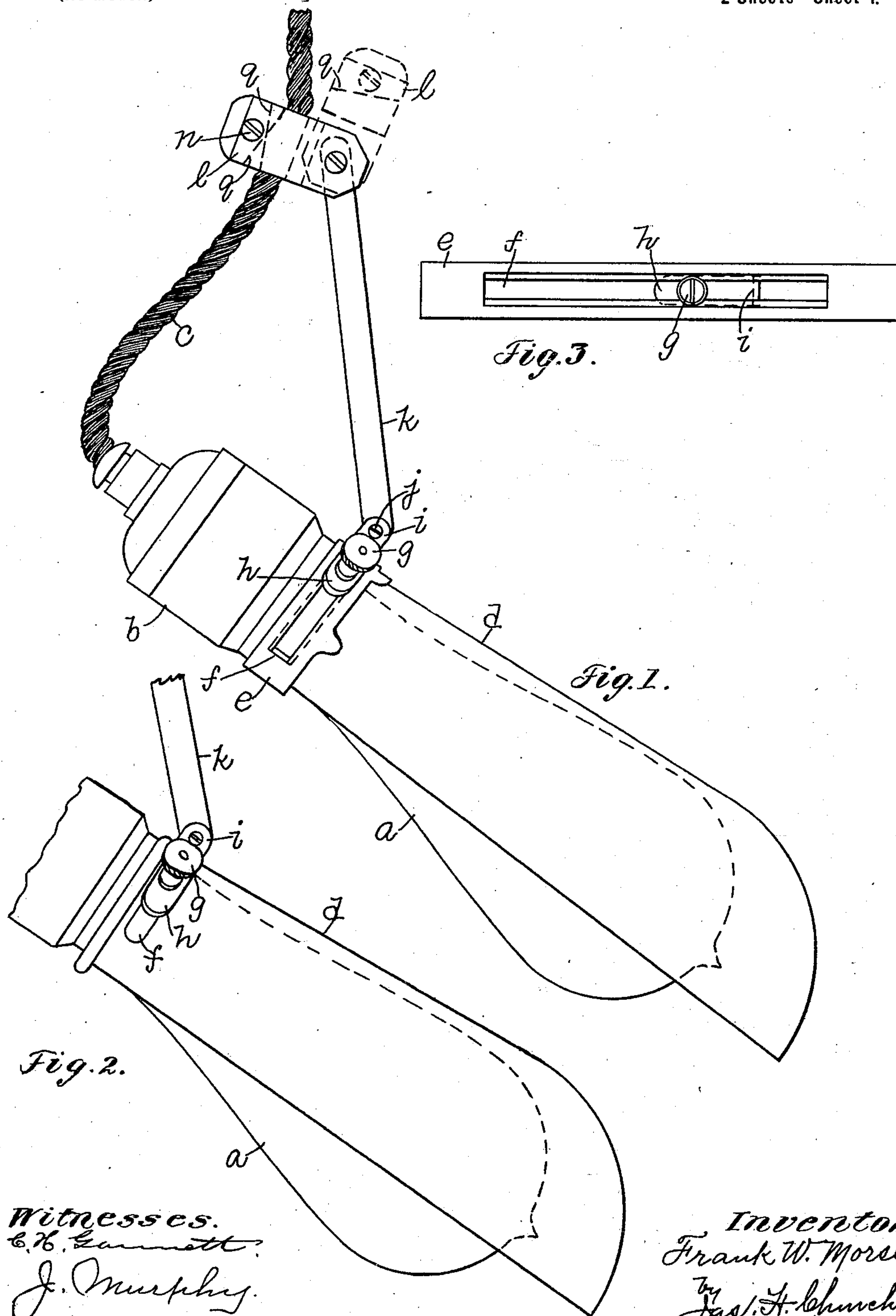
Patented Mar. 18, 1902.

F. W. MORSE.
INCANDESCENT LAMP SUPPORT.

(Application filed Dec. 27, 1901.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses.
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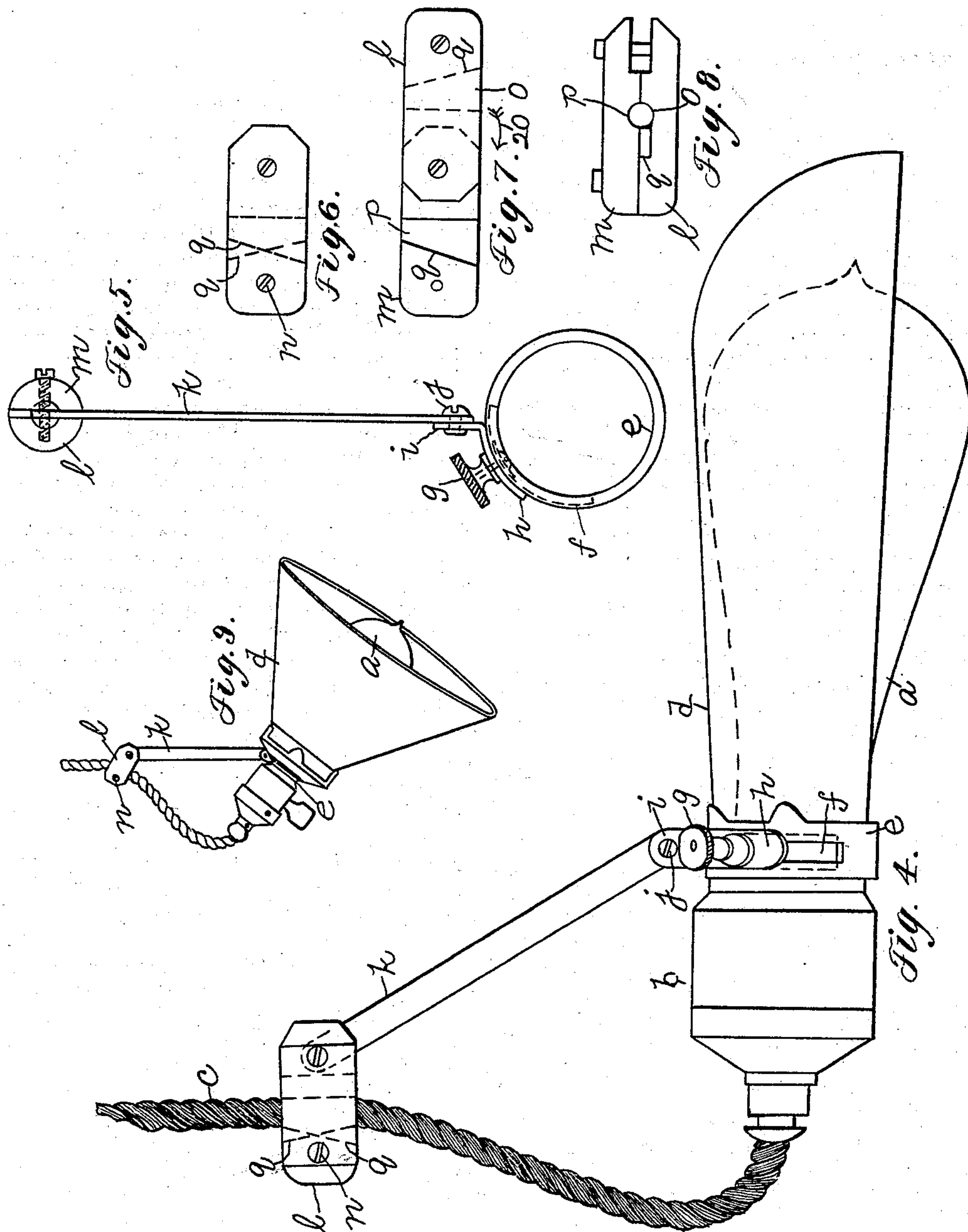
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2 Sheets—Sheet 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

FRANK W. MORSE, OF BOSTON, MASSACHUSETTS.

INCANDESCENT-LAMP SUPPORT.

SPECIFICATION forming part of Letters Patent No. 695,646, dated March 18, 1902.

Application filed December 27, 1901. Serial No. 87,448. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. MORSE, a citizen of the United States, residing in Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Incandescent-Lamp Supports, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide simple and efficient means for adjustably supporting in any desired position incandescent lamps, which are suspended by means of the usual flexible conducting-cord. For this purpose the incandescent lamp is provided with a shade, which may be of any usual or suitable construction, except that in accordance with this invention it is provided with a circumferential slot in its body portion or in its collar by which it is attached to the lamp-socket, and the said shade is adjustably connected to a rigid support which is pivotally connected to a clamping-block adapted to be secured upon the flexible conducting-cord. The pivotal connection between the rigid support and the clamping-block permits of adjustment of the lamp in a vertical direction, while the circumferential slot in the shade or its collar permits of a rotatable adjustment of the lamp. These and other features of this invention will be pointed out in the claims at the end of this specification.

Figure 1 represents in elevation an incandescent lamp provided with an adjusting mechanism embodying this invention; Fig. 2, a modification to be referred to; Fig. 3, a detail to be referred to; Fig. 4, a side elevation of the lamp in a substantially horizontal position; Figs. 5 to 8, inclusive, details to be referred to.

The incandescent lamp *a*, its socket *b*, and suspending conducting-cord *c* are and may be of any suitable construction.

The lamp *a* is provided with a shade *d*, of any suitable or usual construction, which, as shown in Fig. 1, is soldered or otherwise attached to a collar *e*, by means of which the said shade is affixed to the lamp-socket, the said collar being clamped thereon in the usual manner. The collar *e* is provided with a circumferential slot *f*, in which is adjustably

secured in any suitable manner, as by a screw *g*, a slide *h*, provided with a lug or ear *i*, extended substantially at right angles to it, and to which is pivotally secured in any suitable manner, as by a screw *j*, the lower end of a bar *k*, which has its upper end pivotally secured between the two parts or members *l m* (see Fig. 8) of a clamping-block, between which the flexible conducting-cord *c* is securely gripped by means of a screw *n*, which may be a plain screw, as shown, or which may be a thumb-screw. The members *l m* of the clamping-block are provided with transverse slots *o p*, each provided with an inclined wall *q*, oppositely arranged, as shown by dotted lines in Fig. 6, and each made of a depth less than one-half the thickness of the conducting cord. This construction of clamping-block facilitates fastening the latter on the cord, for it will be seen that when one member, as *l*, is turned back, as represented in Fig. 7, the cord *c* may be laid in the slot *p* and the member *l* then turned into the position shown in Fig. 6, being moved in the direction indicated by the arrow 20, so as to first present the wide end of the slot *o* to the cord, and when the members have been brought into the position shown in Figs. 1 and 6 the cord lies in both slots, wherein it is firmly secured by tightening up the binding-screw *n*. By reference to Figs. 1 and 4 it will be seen that by unloosening the binding-screw *n* the cord *c* can be drawn up through the clamping-block to move the lamp into a substantially vertical position and that by pulling the cord *c* down the lamp is moved into a substantially horizontal position. It will further be seen that by loosening the clamping-screw *g* the lamp and its shade may be rotated so as to direct the light in any desired direction, and when properly adjusted the lamp may be secured in this position by tightening up the screw *g*.

I may prefer to make the circumferential slot *f* in the collar *e*; but, if desired, it may be made in the shade, as represented in Fig. 2.

It will be observed that the lamp-shade is connected to the clamping-block by a rigid connection and, further, that the device or mechanism is extremely simple and cheap, yet highly efficient for the purpose to which it is put.

By reason of its simplicity, cheapness, and

ease of adjustment the adjusting mechanism is especially adapted for use as a support for incandescent lamps in mills, factories, machine, and other shops employing a large number of such lamps.

The clamping-block and the rigid connection are adapted to be used with shades which surround the lamp—such, for instance, as cone or dish shaped shades—and in this case the slot in the shade may be dispensed with and the rigid bar *k* attached to the clamping-screw of the band, as represented in Fig. 9.

It will be observed that when the shade is attached to the lamp the pivotal connection of the rigid bar *k* with the shade serves as a fulcrum for the lamp and shade, thus enabling the said lamp and shade to be vertically adjusted about the said fulcrum.

I claim—

1. In an incandescent-lamp support, the combination with a lamp-shade having a circumferential slot, of a clamping-block adapted to engage the flexible conducting-cord of said lamp, and a rigid connection between said block and shade comprising a member pivoted to said clamping-block, and a second member adjustably secured in said circumferential slot and pivotally attached to the first-mentioned member, substantially as described.

2. In an incandescent-lamp support, the combination with a lamp-shade having a circumferential slot, and a clamping-block adapted to engage the conducting-cord of said lamp and comprising two members pivoted together and provided with transverse slots having inclined walls oppositely arranged, and means to bind the two members upon the conducting-cord, of a rigid connection between said clamping-block and said shade, comprising one member pivoted to the clamping-block and a second member adjustably secured in the circumferential slot in said lamp-shade and pivotally attached to said first member, substantially as described.

3. In an incandescent-lamp support, the combination with a lamp-shade provided with a circumferential slot, of a slide adjustably secured in said slot and provided with a lug or ear extended substantially at right angles thereto, a bar pivoted to said lug or ear, a clamping-block comprising two members pivoted together and provided with cooperating slots which engage the connecting-cord of the lamp, means to secure said members together and clamp the cord between them, and a bar pivoted to the clamping-block and to the lug or ear on said slide, substantially as described.

4. In an incandescent-lamp support, the combination with the lamp-shade provided with a circumferential slot, of means for engaging said slot to permit rotary movement of said lamp and shade, a device to engage the conducting-cord for said lamp, and means pivotally attached to said device and to the slot-engaging means for permitting pivotal movement of the lamp and shade in a vertical direction, substantially as described.

5. In an incandescent-lamp support, the combination with a lamp-shade, of a clamping-block adapted to engage the flexible conducting-cord of said lamp and capable of adjustment on said cord without detaching it therefrom, and a rigid connection between said clamping-block and said shade, pivotally attached to said block and to the rear portion of said shade, whereby when the said shade is placed on the lamp, the pivotal connection with the shade constitutes a fulcrum for the lamp and its attached shade to permit of vertical adjustment of said shade and its lamp, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANK W. MORSE.

Witnesses:

JAS. H. CHURCHILL,
J. MURPHY.