

(No Model.)

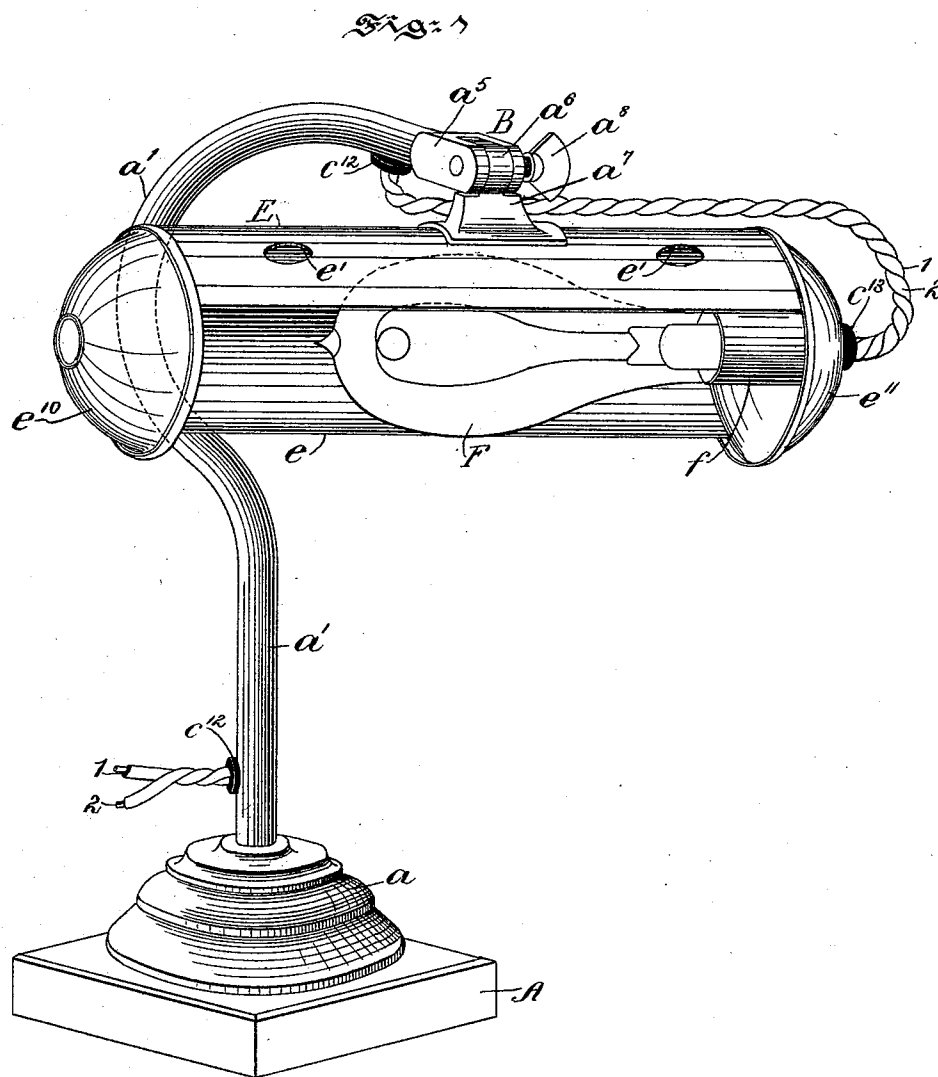
2 Sheets—Sheet 1.

G. F. KLEMM.

INCANDESCENT LAMP STAND AND REFLECTOR.

No. 525,909.

Patented Sept. 11, 1894.



Witnesses:
Thomas M. Smith.
Louis Winterberger.

Inventor,
George F. Klemm,
By J. Walter Douglas
Attorney.

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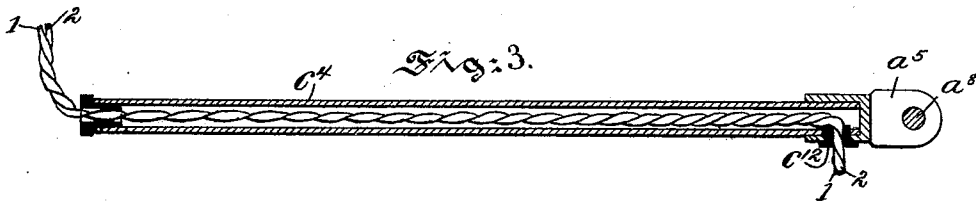
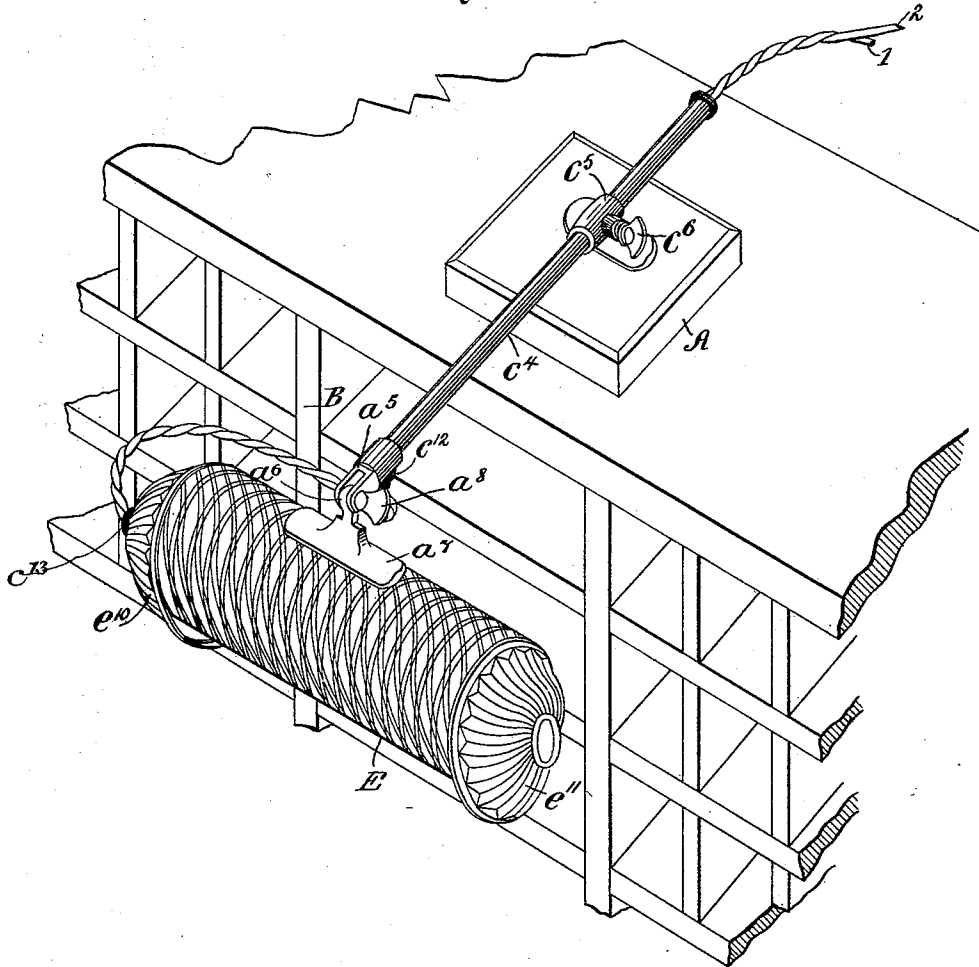
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Fig. 2.



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UNITED STATES PATENT OFFICE.

GEORGE F. KLEMM, OF PHILADELPHIA, PENNSYLVANIA.

INCANDESCENT-LAMP STAND AND REFLECTOR.

SPECIFICATION forming part of Letters Patent No. 525,909, dated September 11, 1894.

Application filed June 9, 1894. Serial No. 514,037. (No model.)

To all whom it may concern:

Be it known that I, GEORGE F. KLEMM, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Lamp Stands and Reflectors, of which the following is a specification.

My invention has relation to a portable and adjustable appliance for application to an article of furniture provided with an electric lamp mounted in a slotted reflecting tube or cylinder and arranged in such manner that illumination derived from the lamp is concentrated in any required direction; and in such connection my invention relates to the particular construction and arrangement of such an appliance adapted for said purpose.

My invention consists of an appliance for reflecting and concentrating the illumination derived from an electric lamp, constructed and arranged in the manner hereinafter described and claimed.

The nature and characteristic features of my invention will be more fully understood from the following description taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1, is a perspective view of an appliance embodying features of my invention provided with an arched standard secured to a rectangular base and having a perforated and slotted reflecting tube or cylinder connected by means of a knuckle-joint connection with said standard and provided with a tightening device and also showing an incandescent electric lamp disposed lengthwise in said tube or cylinder. Fig. 2, is a similar view of a modified form of an appliance embodying features of my invention, showing the leading in wires from a source of energy connected therewith and also showing the means for securing the different adjustments of the appliance from the holder thereof; and Fig. 3, is a vertical central section through the extensible arm of Fig. 2 adapted to be detachably clamped to a base and showing the manner of introducing the leading in wires therethrough to an electric lamp adapted to be rigidly secured to the reflecting corrugated slotted tube or cylinder provided with orna-

mental conical shaped ends, as illustrated in Fig. 2.

Referring to the drawings A, is a rectangular base provided with a cone-shaped cap *a*, into which is secured a standard *a'*, having the upper portion arched with the forward extremity thereof provided with a bifurcated bearing *a⁵*, with which engages the tongue *a⁶*, of a hanger *a⁷*, secured to a reflecting device *E*, and which tongue engaging said bifurcated bearing *a⁵*, constitutes a knuckle-joint connection B. This connection B, is provided with a set screw *a⁸*, whereby said reflecting device may be adjusted in two different directions, that is to say, either upward or downward in an arc or substantially so of a circle, as will be readily understood from Figs. 1 and 2. The reflector *E*, has a portion thereof cut away so as to form an oblong slit *e*, as clearly shown in Fig. 1, and with perforations *e'*, in the surface thereof, for ventilating the same. This device may be made of corrugated or plain metal and the interior may be either highly polished or coated with a material or substance which is adapted to insure proper reflection being derived therefrom, when an illuminating body such as an electric lamp *F*, is placed lengthwise therein and so as to be held rigidly by the socket *f*, thereof from one of the ends of the same. This device *E*, is provided with cone-shaped ends *e¹⁰* and *e¹¹*, either plain or ornamented, as shown in Figs. 1 and 2, and through one of which ends is inserted and detachably secured a rubber plug or the like *e¹³*, for a purpose to be presently explained. From said socket *f*, the leading in wires 1 and 2, are connected therewith and extend through the insulating plugs *c¹²* and *c¹³*, seated in one end of said reflector *E*, and also in the supporting arm or standard *a'*, of the device and leading to a source of energy, not shown, whereby when the current is established through the lamp from said source of energy said reflecting device may be caused to assume the required position to reflect and concentrate the illumination derived from said lamp in required directions; and moreover, to thoroughly screen the eyes from the source of direct illumination derived from said appliance.

The appliance of Fig. 2, is the same as that of Fig. 1, with the exception that in this instance a horizontal arm c^4 , is connected by means of a clamp c^5 , with a rectangular base
 5 A, and said clamp being provided with a set screw c^6 , the opposite end of said arm c^4 , being provided with a knuckle-joint connection B, having a set-screw a^8 , with which connection is attached a hanger a^7 , secured to the re-
 10 flector E, made in this instance of corrugated metal and having truncated cone-shaped or ornamental ends e^{10} and e^{11} . The leading in wires 1 and 2 pass through the horizontal arm c^4 and downward through an opening
 15 provided in the forward portion thereof through an inserted rubber bushing or plug c^{12} , and through a like bushing or plug c^{13} , inserted into one of the truncated cone-shaped ends e^{10} or e^{11} , of the slotted reflector E, to the
 20 socket of an incandescent electric lamp to be disposed lengthwise therein and secured to said device in such manner as to permit of the turning of the same with the reflector E, in order to cause the latter to assume the re-
 25 quired position, for concentrating the illumination derived from said lamp and so as not to become a strain upon the eyes in the deflection thereof. It will be observed by ref-

erence to Fig. 1, that the reflecting device is susceptible of a half-rotary movement to and 30 from the arched portion of the standard a' , through the knuckle-joint connection B, thereof and in Fig. 2, that the device is susceptible of a back and forth movement, as well as a reciprocating or rotary movement 35 by means of the connections hereinbefore explained in the description of the device of Fig. 2, of my invention.

Having thus described the nature and objects of my invention, what I claim as new, 40 and desire to secure by Letters Patent, is—

The combination of a base, a supporting arm connected with said base so as to secure reciprocatory motion, a slotted tube, a hanger 45 attached to the middle thereof, and a knuckle-joint connection between said supporting arm and hanger, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my signature in the presence of two subscrib- 50 ing witnesses.

GEORGE F. KLEMM.

Witnesses:

J. WALTER DOUGLASS,
 RICHARD C. MAXWELL.