

(No Model.)

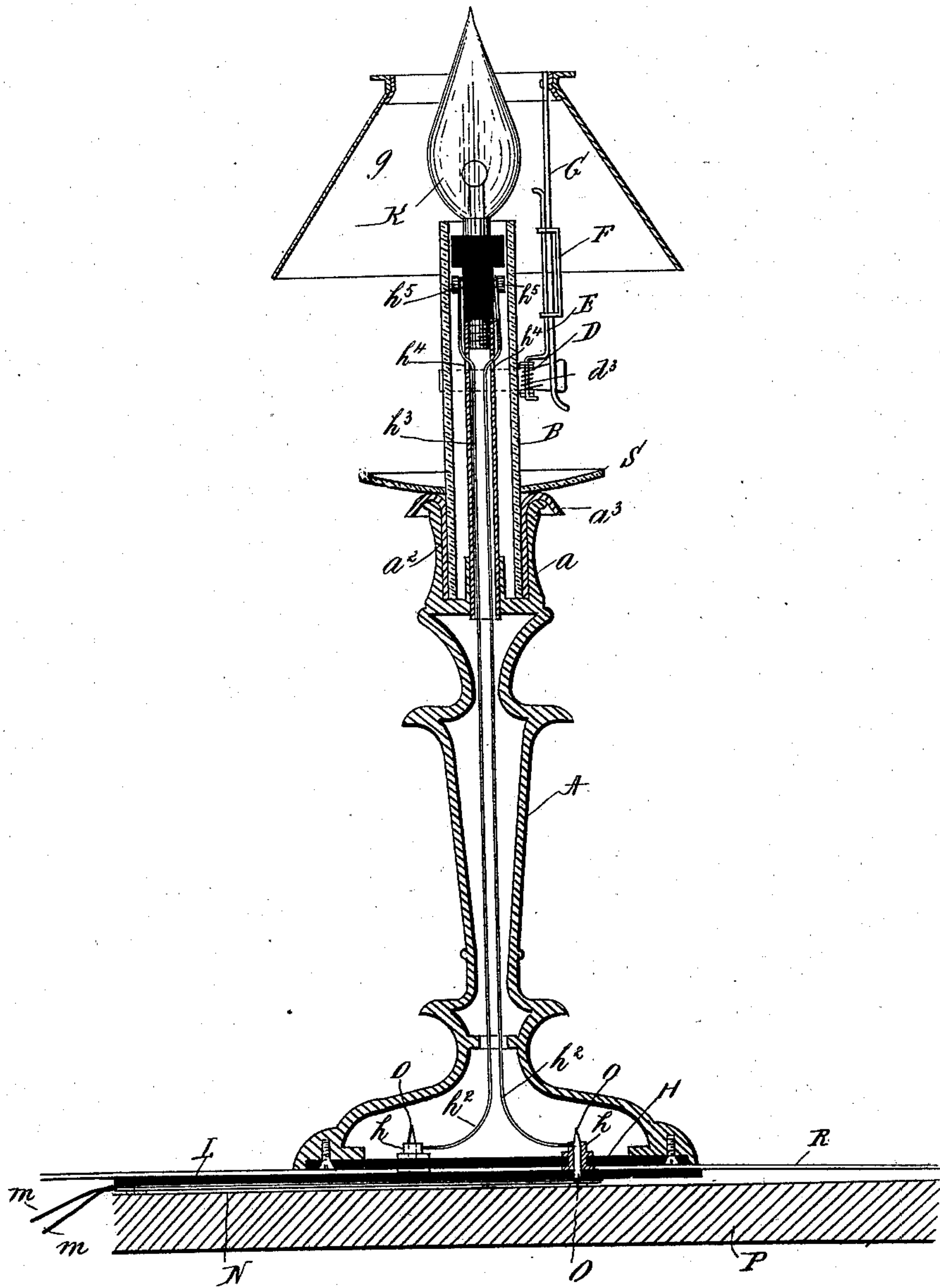
2 Sheets—Sheet 1.

R. GRAVES.
ELECTRIC STAND LAMP.

No. 558,727.

Patented Apr. 21, 1896.

FIG. 1.



WITNESSES:

John Buckler,
C. Gerst.

INVENTOR

Robert Graves
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(No Model.)

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FIG. 2.

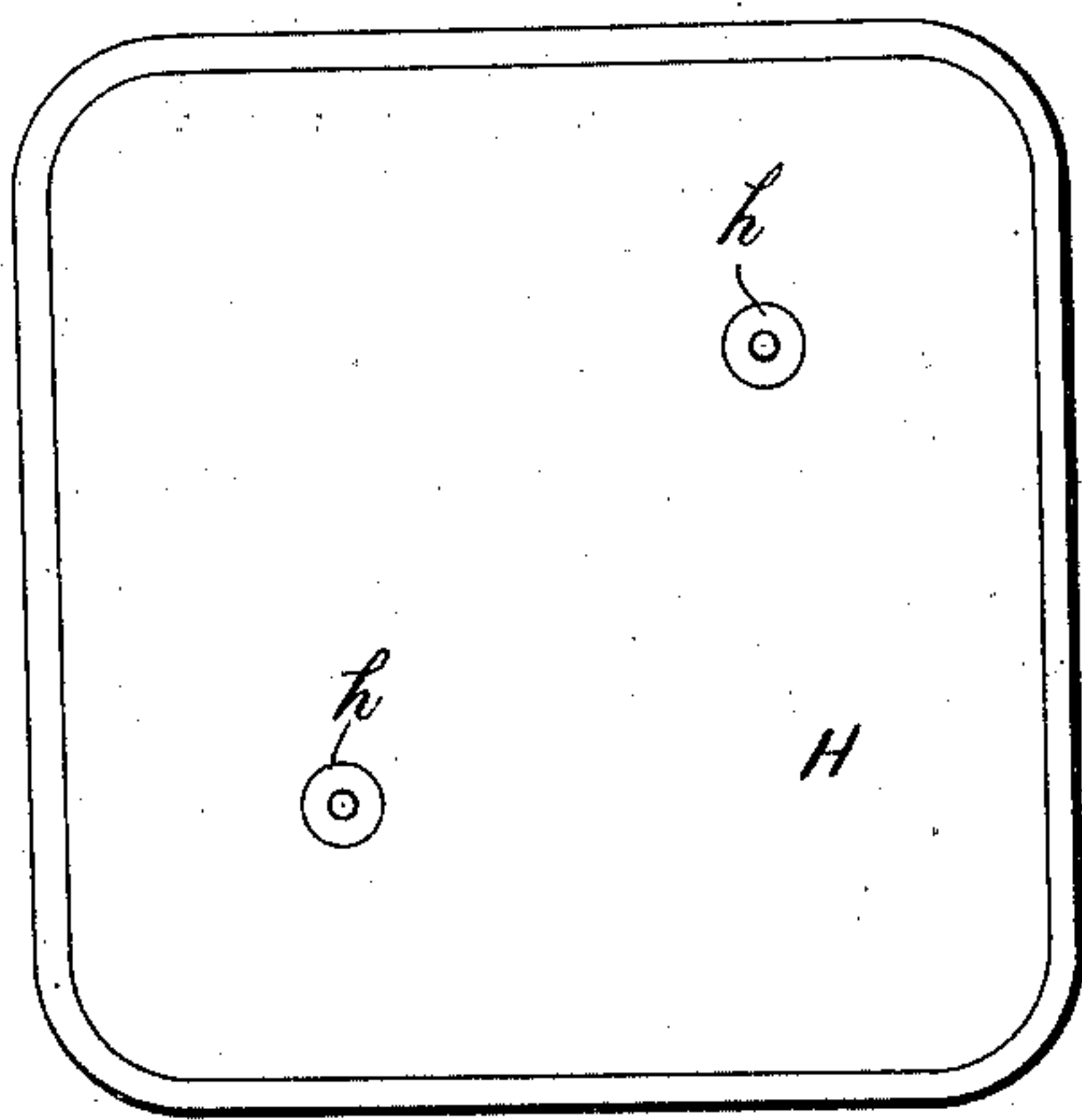


FIG. 3.

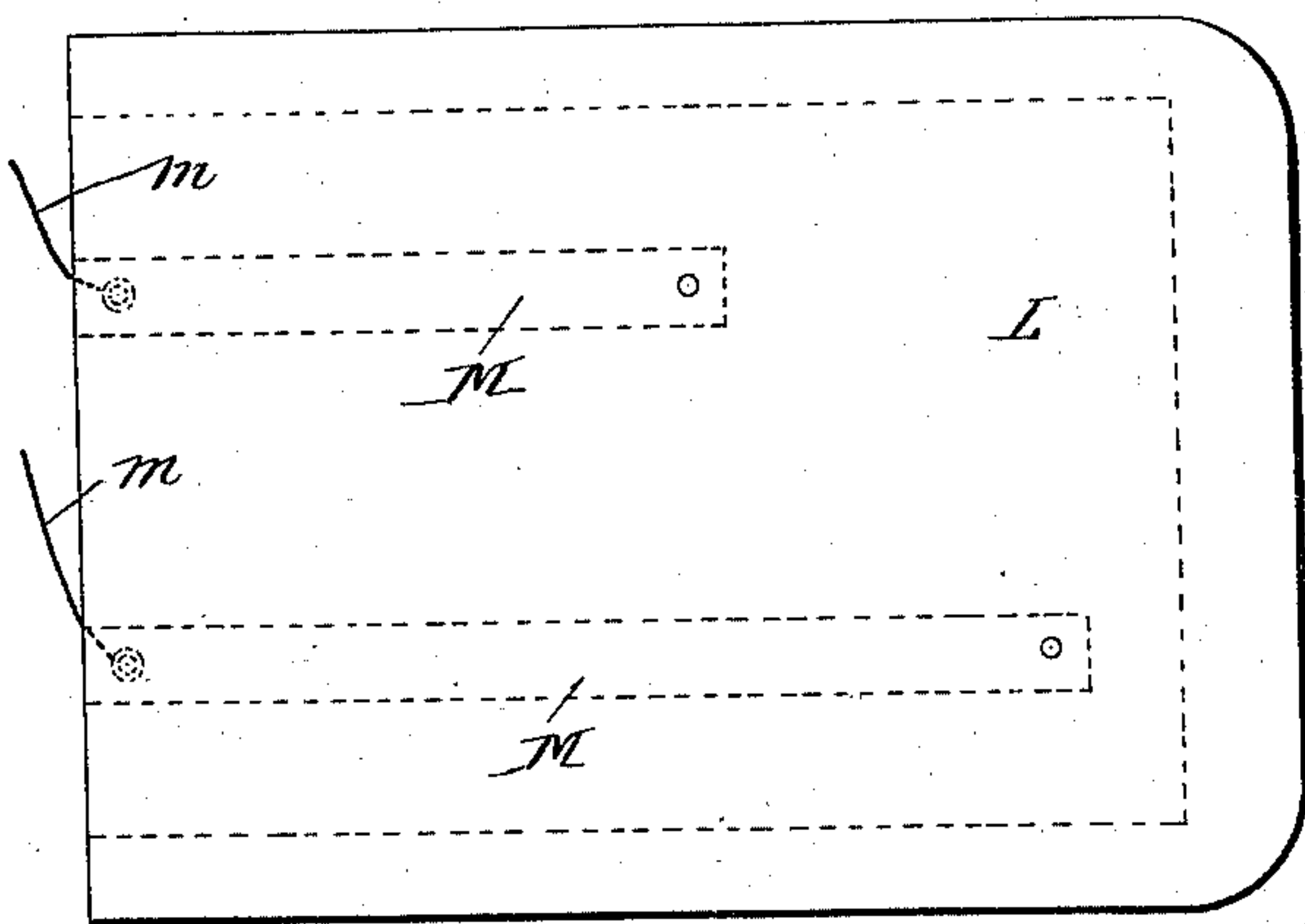


FIG. 4.

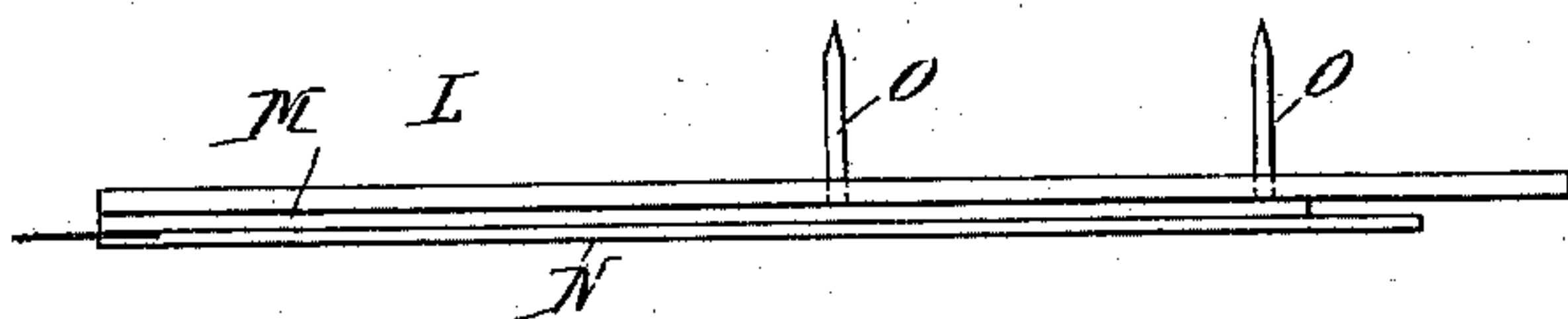


FIG. 5.

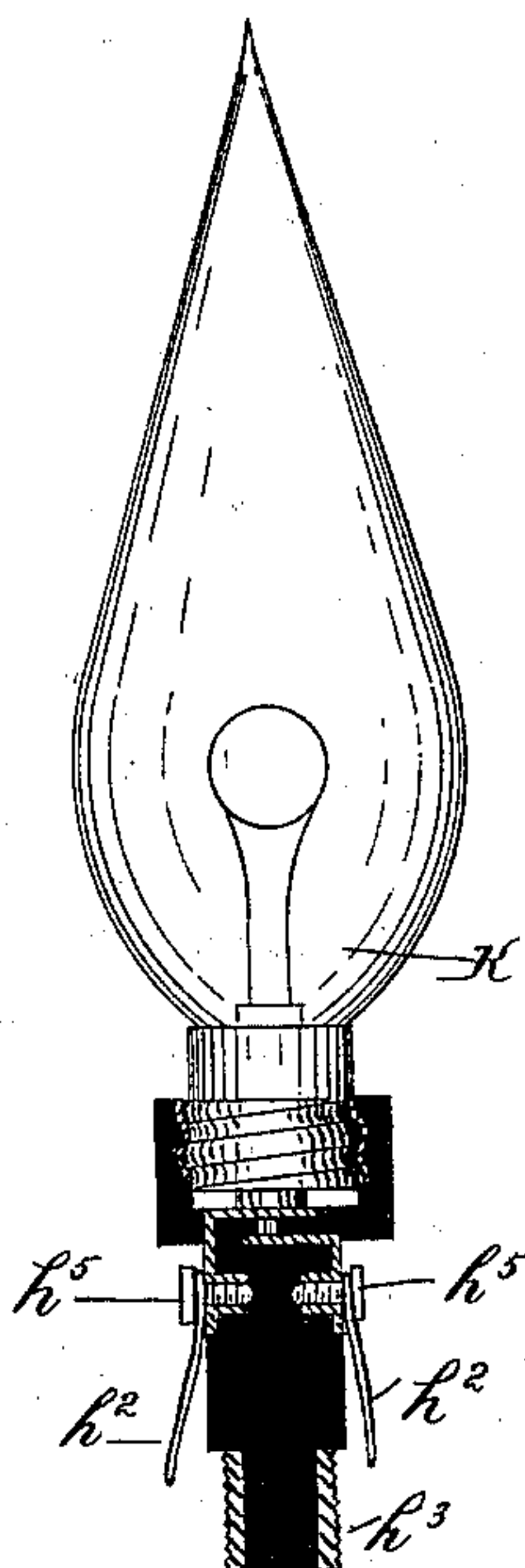
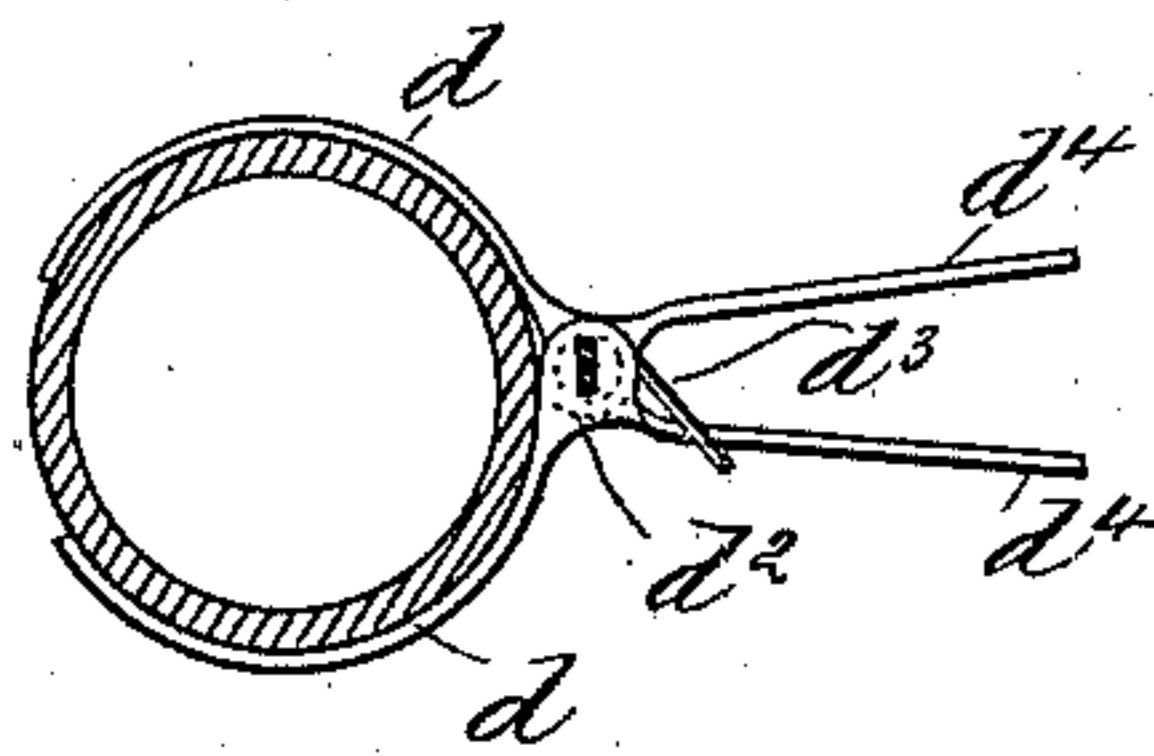


FIG. 6.



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UNITED STATES PATENT OFFICE.

ROBERT GRAVES, OF IRVINGTON, NEW YORK.

ELECTRIC STAND-LAMP.

SPECIFICATION forming part of Letters Patent No. 558,727, dated April 21, 1896.

Application filed February 25, 1896. Serial No. 580,718. (No model.)

To all whom it may concern:

Be it known that I, ROBERT GRAVES, a citizen of the United States, and a resident of Irvington, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Electric Stand-Lamps, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to electric stand-lamps; and the object thereof is to provide a light of this class which is adapted for use on a stand, table, or similar support, and which is particularly applicable for use on dining-tables, where candelabra and similar lights are now employed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a central vertical section of my improved electric stand lamp or light, showing also a section of a portion of a table provided with a table-cloth; Fig. 2, a bottom plan view of an insulating-strip which I employ and which is placed upon the table and which is adapted to be covered by a table-cloth, and by means of which electrical connection is made with the lamp. Fig. 3 is a detail view showing the connecting-strips; Fig. 4, an edge view thereof, and Figs. 5 and 6 are sectional views of details of the construction.

In the practice of my invention I provide an ordinary standard or support A, which may be of any desired form, but which is preferably of the form shown in Fig. 1, and which resembles in perspective view or side elevation a candlestick or support, and in the upper end of which is a tubular socket a , in which is placed a tubular sleeve a^2 , having an outwardly-directed and downwardly-curved flange a^3 , and placed within the sleeve a^2 is a tubular casing B, which is preferably made of porcelain or similar material and which is designed to resemble or represent a candle, and mounted on the tubular casing B is a shade-holder, which consists of a spring-supported clamp D, composed of two separate similar jaws d , which are pivotally connected at d^2 by a pivot-pin on which is mount-

ed a spring d^3 , and each of the segmental jaws d is provided with a projecting arm d^4 , and in practice I preferably provide the pivot-pin by which the jaws d are connected with an upwardly-directed extension E, to which is secured by means of a sliding clamp F a rod G, which is adapted to support a shade g . This feature of the construction is best shown in Figs. 1 and 6, and I also secure to the bottom of the standard or support A an insulating-plate H, which is provided with two binding-posts h , with each of which is connected an electric conductor or wire h^2 , which extends upwardly through the standard or support a and through a tube h^3 , which is mounted in the tubular casing B, and which extend outwardly through the sides of the tube h^3 at h^4 and which are connected with binding screws or posts h^5 .

I also employ an ordinary incandescent electric-light bulb K, which is adapted to be mounted on or inserted into the upper end of the tube h^3 in the usual manner, and when thus inserted into said tube h^3 electrical connection is made between the wires or conductors h^2 and the filament within said incandescent-light bulb.

The means which I employ for making connection with the wires or conductors h^2 consists of a plate L, which is composed of rubber or similar material, and to the lower side of which is secured thin metal strips M, which are shown in Fig. 3, and one of which is shown in full lines in Fig. 4, and connected with the outer ends of these strips are wires or conductors m , which are adapted to be passed beneath the table and to be connected with any desired source of electrical supply, and beneath the strips M and covering the same is a thin sheet of insulating material N, and the inner ends of the metal strips M are provided with sharp spikes O, which are adapted to be inserted into the binding-posts h , and by means of which electrical connection is made with the wires or conductors h^2 .

In Fig. 1 I have shown a section of a tabletop P, and R represents a portion of a table-spread or cloth, and in practice the plate L, with its attachments, is placed beneath the cloth and the spikes or prongs O project there-through, and all that is necessary when it is desired to use my improved light or lamp is

to place the standard or support A thereon in such manner that the spikes or prongs O will pass into the binding-post *h*.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings.

My invention is not limited to the form of the incandescent-light bulb K or to the manner of connecting the same with the tube *h*³, and it is evident that changes in and modifications of the various features of construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages, and I reserve the right to make all such alterations therein and modifications thereof as fairly come within the scope of the invention.

I have also shown in Fig. 1 a saucer-shaped disk or plate S, which is mounted on the sleeve *a*², and is such as is usually employed in connection with candles or candelabra when used for the purposes herein specified, and this together with other features of the construction herein described is intended to represent a candle or candelabra such as is usually employed on dining-room tables and for other purposes.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. In an electric light or candelabra, the combination of a standard or support, a tubular casing mounted in the upper end thereof, a tube passing through said casing, an incandescent electric-light bulb mounted in said tube, conductors which are connected with binding-posts in the bottom of said standard or support, and which extend upwardly there-through and which are connected with binding-posts at the upper end of said tube, and means for making electrical connection with said conductors, substantially as shown and described.

2. In an electric light or candelabra, the combination of a standard or support, a tubular casing mounted on the upper end thereof, a tube passing through said casing, an incandescent electric-light bulb mounted in said tube, conductors which are connected with binding-posts in the bottom of said standard or support, and which extend upwardly there-through and which are connected with binding-posts at the upper end of said tube, and means for making electrical connection with said conductors, consisting of a plate of insulating material provided with metal strips on

the bottom thereof, which are covered by insulating material said strips being provided at their inner end with spikes or prongs which project through said insulating-plate, and are adapted to enter the binding-posts in the bottom of the standard or support substantially as shown and described.

3. In an electric light or candelabra, the combination of a standard or support, a tubular casing mounted on the upper end thereof, a tube passing through said casing, an incandescent electric-light bulb mounted in said tube, conductors which are connected with binding-posts in the bottom of said standard or support, and which extend upwardly there-through and which are connected with binding-posts at the upper end of said tube, and means for making electrical connection with said conductors, consisting of a plate of insulating material provided with metal strips on the bottom thereof which are covered by insulating material, said strips being provided at their inner end with spikes or prongs which project through said insulating-plate, and are adapted to enter the binding-posts in the bottom of the standard or support, and the outer ends of said metal strips being provided with conductors, substantially as shown and described.

4. In an electric light or candelabra, the combination of a standard or support, a tubular casing mounted on the upper end thereof, a tube passing through said casing, an incandescent electric-light bulb mounted in said tube, conductors which are connected with binding-posts in the bottom of said standard or support, and which extend upwardly there-through, and which are connected with binding-posts at the upper end of said tube, and means for making electrical connection with said conductors, said tube being provided with a shade-holder and the incandescent-light bulb with a head or stem which is adapted to be inserted into the upper end of said tube whereby electrical connection is made with the conductors, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 21st day of February, 1896.

ROBERT GRAVES.

Witnesses:

C. GERST,
C. G. MILLIM.