

E. G. ROYER.
ELECTRIC INCANDESCENT LAMP.
APPLICATION FILED FEB. 4, 1911.

1,066,326.

Patented July 1, 1913.

Fig. 1.

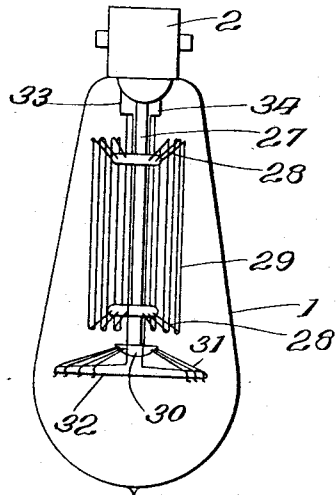


Fig. 3.

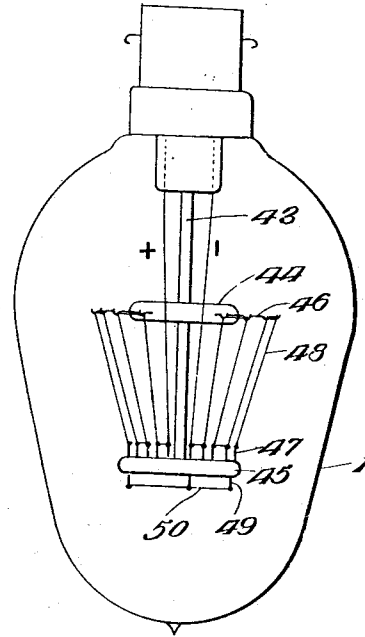


Fig. 2.

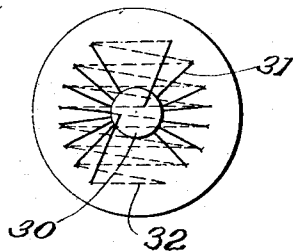
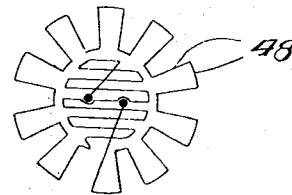


Fig. 4.



Witnesses

H. Abramson.
[Signature]

Inventor

Emile Gabriel Royer.

By [Signature]

Attorney

UNITED STATES PATENT OFFICE.

EMILE GABRIEL ROYER, OF PARIS, FRANCE, ASSIGNOR TO SOCIÉTÉ ANONYME
"ORIONA," OF BRUSSELS, BELGIUM.

ELECTRIC INCANDESCENT LAMP.

1,066,326.

Specification of Letters Patent.

Patented July 1, 1913.

Application filed February 4, 1911. Serial No. 606,605.

To all whom it may concern:

Be it known that I, EMILE GABRIEL ROYER, a citizen of the French Republic, and resident of Paris, France, have invented certain new and useful Improvements in Electric Incandescent Lamps, of which the following is a specification.

This invention relates to improvements in electric incandescent lamps, the object of the improvement being to so arrange the filaments as to prevent the casting of shadows, and to increase the range of the light thrown off by the lamp.

The invention also comprehends improvements in the details of construction and arrangement of parts which will be hereinafter described and particularly pointed out in the claims.

In the drawings: Figure 1 is an elevation of one form of my improved lamp. Fig. 2 is a bottom plan view of the same. Fig. 3 is an elevation of another form of the invention. Fig. 4 is a bottom plan view of the same.

1 indicates a bulb, provided with a socket 2. Depending from the socket is a rod 27, having two spaced apart collars from which extend outwardly projecting hooks 28. At the bottom of the rod is a head 30, from which extend downwardly inclined hooks 31.

A filament is supported on the hooks 28, in substantially a series of vertical strands arranged in cylindrical form as shown in Fig. 1, the ends of the filament being connected to the lead wires 33 and 34. This filament will throw the rays of light radially from the lamp, as will be obvious.

A filament 32, is supported on the hooks 31, and is arranged in a horizontal plane below the filament 29. The strands of the filament 32, extend beyond the vertical plane of the filament 29, to offset the shadows which may be thrown by the latter. Filament 32, is designed to throw the rays of light downwardly from the lamp. The terminals of the filament 32, are connected to the lead wires 33 and 34, as shown in Fig. 1.

In the form of the invention shown in

Figs. 3 and 4, the central stem 43, in the bulb 1 is provided with two collars 44 and 45. Extending radially from the collar 44, are hooks 46, while from the collar 45, extend vertical hooks 47. The distance from the center of the stem 43, to the ends of the hooks 46, is much greater than the distance from the center of the stem to the hooks 47, consequently the strands of the filament, indicated at 48, supported by the hooks, incline upwardly so that the rays of light are thrown radially and downwardly.

Depending from the collar 45, are hooks 49, and horizontally supported on these hooks are the strands of a filament 50, which throw the rays of light downwardly.

From the foregoing description it will be seen that I have provided an incandescent lamp which will throw out the rays of light radially and downwardly in such manner as to avoid shadows.

I claim—

1. In combination, a globe, a standard mounted centrally in the globe, annular supports mounted on the standard, and a filament secured on the supports, a part of said filaments extending vertically between the supports and another part of said filament extending transversely across the central plane of the standard.

2. In combination, a globe, a standard centrally mounted in the globe, upper and lower annular supports mounted on the standard, hooks extending from the annular supports, a support at the bottom of the standard, and a filament extending from the hooks on the annular supports in substantially vertical lines, said filament also extending across the support at the bottom of the standard and across the vertical plane of the upper and lower supports.

3. In combination, a globe, a standard, centrally mounted in the globe, upper and lower annular supports mounted on the standard, hooks on the annular supports, an annular support at the bottom of the standard, said latter support being of greater diameter than the upper and lower annular

supports, and a filament supported on the
hooks between the upper and lower supports
and also extending across the support on
the lower end of the standard, the part of
5 the filament extending across the lower an-
nular support projecting beyond the vertical
plane of the vertical part of the filament.

In testimony whereof I have hereunto set
my hand in presence of two witnesses.

EMILE GABRIEL ROYER.

Witnesses:

H. C. COXE,

EMMANUEL GUITHON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."