P. G. TRIQUET.

BASE FOR ELECTRIC INCANDESCENT LAMPS.

APPLICATION FILED JULY 28, 1910.

1,064,571. Patented June 10, 1913.

Fig. 1.

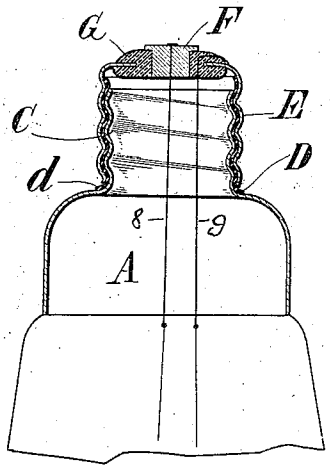


Fig. 2.

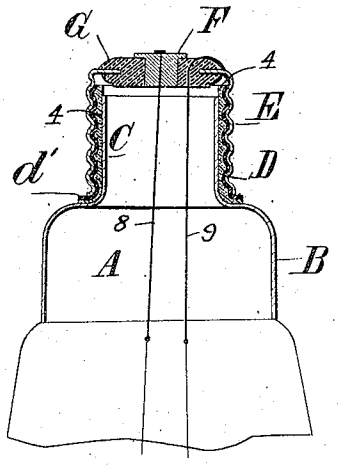


Fig. 3.

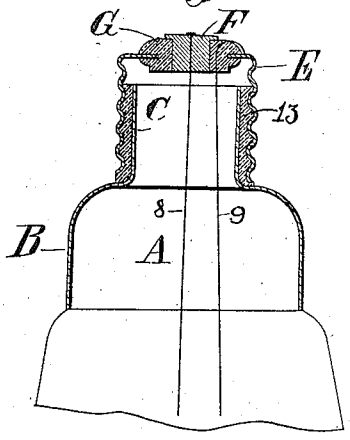
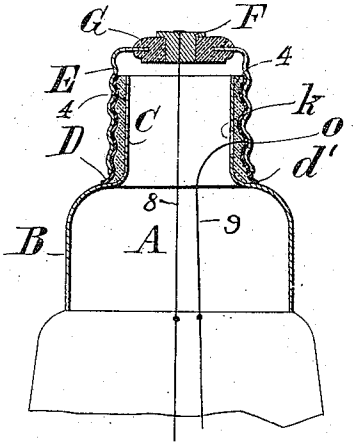


Fig. 4.



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UNITED STATES PATENT OFFICE.

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BASE FOR ELECTRIC INCANDESCENT LAMPS.

1,064,571. Specification of Letters Patent. Patented June 10, 1913.

Application filed July 28, 1910. Serial No. 574,367.

To all whom it may concern:

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

This invention relates to electric incandescent lamps and more especially to screw threaded bases for these lamps the object being to provide a lamp base of this kind which is provided with an insulating metallic collar intended to prevent the hand of the person manipulating the lamp from coming into contact with one of the poles of the circuit.

In the accompanying drawings: Figure 1 is a longitudinal section of the lamp base constructed according to the principles of the present invention; Fig. 2 is a similar section of a somewhat modified form of lamp base, provided with an inner smooth neck. Fig. 3 shows a similar section of another modification, wherein no insulating sleeve, made beforehand, has been employed. Fig. 4 is a longitudinal section of still another form of embodiment of lamp base wherein the current inlet wire has been connected in somewhat modified manner.

This lamp base comprises a body A which is provided with a collar B which is left free when the lamp base has been screwed into its socket and with which the hand of the operator may come into contact. The neck C of the body A of the lamp base has been provided with screw threads having the same pitch as those of an ordinary lamp base but a slightly smaller diameter.

Screwed with a tight grip on the neck C is an insulating sleeve D made of fiber, paper, card board, leather card board, asbestos card board or any other suitable material, this sleeve being also provided with screw threads having the same pitch as the usual screw threads of the lamp bases and provided with an outer spread out edge *d*. Screwed on this insulating sleeve D is the base sleeve or base proper E which carries the bottom contact F of the lamp this bottom contact being insulated by the usual means and receiving one of the conducting wires 8 of the lamp filament. The spread out edge *d* of the insulating sleeve D prevents as readily seen any contact between the collar B and the lower edge of the sleeve E.

To sum up and to characterize the invention with a few words, a lamp base provided with a collar B is screwed into an ordinary base or contact sleeve E and the two parts are separated from each other by an insulating furrow D which exactly follows the screw threads of said bases.

The conducting wire 9 connecting the contact sleeve E with the filament passes through the cap of insulating material G between the bottom contact F and the metallic part of the contact sleeve E to which it is soldered. As shown by Fig. 4 this connection between the wire 9 and the contact sleeve E may be carried out in a somewhat modified manner. Here the part *d'* has been provided laterally with a rather large opening *k* through which passes the conducting wire 9. The latter is held in position by the insulating material 4 which is provided with a smaller hole O and is finally soldered to the contact sleeve E. As readily seen owing to the hole *k* being sufficiently large, the wire 9 cannot come into contact with the part C of the base.

The sleeve or furrow D may be coated with an insulating glue which holds the whole firmly together.

As shown by Fig. 2 the neck C of the body A may also be smooth and cylindrical and the sleeve D made of paper, fiber, or any other suitable material, may be coated with glue 4, secotine, cement, shellac and the like for ascertaining the perfect adherence between the parts C and D. The insulating sleeve D may even be replaced by a furrow 13 of plaster, cement, shellac, and the like (Fig. 3) which then ascertains by itself the direct adherence between the parts C and E.

A lamp provided with a base constructed according to the present invention is employed in the same manner as an ordinary one. However as the contact sleeve E which is intended to come into contact with one of the poles of the supply circuit is completely insulated from the collar B of the base, one may safely grasp the latter for screwing the lamp base into its socket without any danger of receiving a kick from the supply circuit.

Having now fully described my said invention what I claim and desire to secure by Letters Patent, is:—

1. An incandescent lamp comprising a body, a base collar provided with a metallic neck attached to the body, a cap of insulating material, a metallic contact in said cap,

a metallic base sleeve having screw threads surrounding the neck, and attached to the cap, an insulating sleeve interposed between the neck and the base sleeve and means for connecting the filament of the lamp to the contact in the cap and base sleeve.

2. A base for incandescent lamps comprising in combination with the base body a collar having a screw threaded sleeve made of insulating material and having a spread out edge screwed on said neck, and a base contact sleeve screwed on said insulating sleeve, substantially as and for the purpose set forth.

3. A base for incandescent lamps comprising in combination with a base body a collar having a screw threaded neck a screw threaded sleeve made of insulating material and having a spread out edge and screwed in said neck, a base contact sleeve screwed on said insulating sleeve, and a coating of adhesive material applied on said insulating sleeve, substantially as and for the purpose set forth.

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

PAUL GABRIEL TRIQUET.

Witnesses:

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H. C. COXE.

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