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INCANDESCENT ELECTRIC LAMP BASE

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Fig. 1.

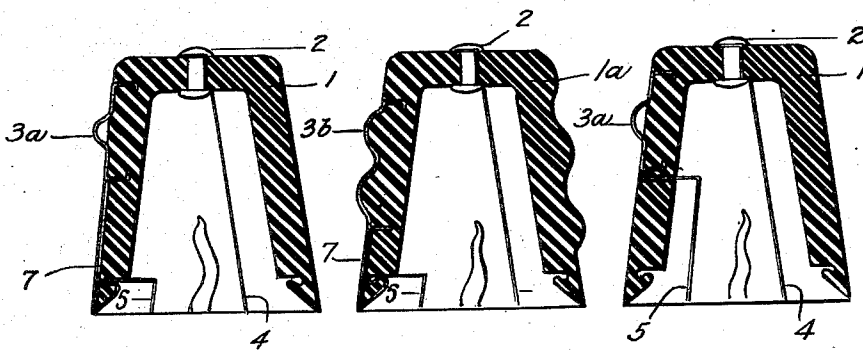
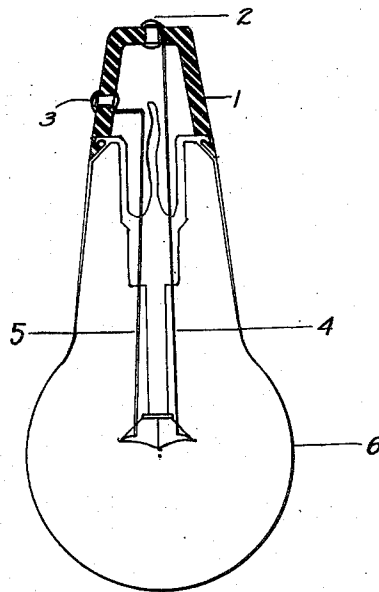


Fig. 2.

Fig. 3.

Fig. 4.

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INCANDESCENT ELECTRIC LAMP BASE

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7 Claims. (Cl. 176—32)

The present invention relates to an incandescent electric lamp base which can be readily and easily inserted in or removed from electric socket of standard or special design, and by special construction is firmly retained in the electric socket giving perfect and secure contact to produce light.

We do not limit ourselves as to kind of substances used in improvement on lamp base which is inserted into electric socket. The electric lamp base is made of substances which have an effective resistance to heat and electric current to act as insulator so as to give a more efficient protection to handling of lamp bulbs in connecting and disconnecting same from electric socket.

The invention results in a push in type of lamp base, shaped like a thimble and of sleeve type, so constructed that the base of the lamp bulb can readily be pushed into an electric socket or pulled to remove it from the electric socket.

The invention results in the elimination of electric shock when inserting lamp bulb base in electric socket or removing therefrom, through base being made of substances acting as insulator instead of as present made of electric conductor.

The construction of the lamp base reduces the heating of the lamp bulb base to a minimum on account of the fact that the base is constructed of substances of a high resistance for the electric current.

When the lamp base is pushed into an electric socket it is firmly held by side wall pressure automatically forcing connections together of lamp bulb base and electric socket.

The lamp base is so constructed that it will fit any standard or specially designed lamp bulb, regardless of construction or the design of lamp bulb.

We do not limit ourselves as to style, design, or construction of fastening contact points on the base to connect leading-in wires from the lamp bulb so as to secure connection from lamp bulb leading-in wires to the electric socket or female receptacle.

In the drawing annexed hereto and forming a part hereof—

Fig. 1 represents a side view in vertical section of an incandescent lamp base 1 with our invention imbedded therein in the construction of a new and improved lamp base;

Fig. 2 represents a sectional view of incandescent lamp base 1 showing an alternate design or a variance in construction in lamp base 1

as included in our invention by having electrical contact 3a;

Fig. 3 represents a sectional view of incandescent lamp base 1a showing an alternate design or a variance in construction included in our invention. The insulator lamp base 1a being constructed of suitable substances acting as an insulator for connecting lamp filament to the electric socket. Electrical contact 3b is shown as an alternate design in construction;

Fig. 4 represents a sectional view of incandescent lamp base 1 showing an alternate design and method of connecting lamp filament and electrical contact 3a by wire 5 through lamp base 1, opening in lamp base 1 similar to opening used for electrical contact 3. The alternate design and method of Fig. 4 may be used in Fig. 3.

In the annexed drawing, in Fig. 1 the insulator lamp base 1, push in type, may be constructed of any suitable substance and acts as an insulator for connecting wires 4 and 5 from the lamp filament to the electric socket. Wire 4 connects electrical contact 2 and lamp filament, acting as one of the contacts between lamp base 1 and the electric socket. Wire 5 connects electrical contact 3 and lamp filament completing the circuit and contact to the electric socket in connection with electrical contact 2. By entering lamp base 1 into electric socket a complete circuit is formed by and through electrical contacts 2 and 3 connected by wires 4 and 5 to lamp filament in lamp bulb 6. The lamp base is made of substances such as a combination of soft rubber and asbestos. The object is a substance which is an electrical non-conductor, reducing the heat caused by electrical contacts so that the base can be handled without burning the hands. At the same time it is sufficiently resilient so as to hold the lamp base firmly in the lamp socket.

In the annexed drawing, in Fig. 2 the insulator lamp base 1, push in type, may be constructed of any suitable substance and acts as an insulator for wires 4 and 5 from the lamp filament to the electric socket. Wire 4 connects electrical contact 2 and lamp filament, acting as one of the contacts of the lamp base 1 and the electric socket. Wire 5 connects electrical contact 3a and lamp filament completing the circuit and contact to the electric socket in connection with electrical contact 2. Wire 5 connects lamp filament to electrical contact 3a through groove 7 in lamp base 1.

In the annexed drawing, in Fig. 3 the insu-

lator lamp base 1a, push in type, may be constructed of any suitable substance and acts as an insulator for wires 4 and 5 from the lamp filament to the electric socket. Wire 4 connects electrical contact 2 and lamp filament, acting as one of the contacts to lamp base 1a and the electric socket. Wire 5 connects electrical contact 3b and lamp filament completing the circuit and contact to the electric socket in connection with electrical contact 2. Wire 5 connects lamp filament to electrical contact 3b through groove 7 in lamp base 1a or with optional connecting wire 5 to electrical contact 3b same as the connection of electrical wire 5 to electrical contact 3a as shown in Fig. 4.

In the annexed drawing, in Fig. 4 is a sectional view of incandescent lamp base 1, showing an alternate design, or a variance in construction of lamp base 1 which is constructed the same as Fig. 2 with the exception that wire 5 from lamp filament to electrical contact 3a passes through side wall of lamp base 1 by opening in lamp base 1, similar to opening used for electrical contact 3.

Having now described our invention, we claim:

1. In an incandescent electric lamp, a base for said lamp, said base having a resilient compressible thimble shaped sleeve cap, of an electrical non-conductor substance, contact projections in said cap, one of said contacts being a metal strip projection.
2. In an incandescent electric lamp, a base for said lamp, said base having a resilient compressible cap, of an electrical non-conductor substance having metal strip projections and a separate contact projection embedded therein; the resilient compressible cap having a notch therein to slip over and snugly fit the lamp bulb holding the lamp base to the lamp bulb by cementation.
3. In an incandescent electric lamp, a base for said lamp, said base having a resilient compressible cap, of an electrical non-conductor substance having metal strip projections and a separate

contact projection embedded therein; the resilient compressible cap having a notch therein to slip over and snugly fit the lamp bulb holding the lamp base to the lamp bulb without cementation.

4. In an incandescent electric lamp, a base for said lamp, said base having a resilient compressible cap, the cap material is of an electrical non-conductor substance having metal contact projections embedded therein, said resilient compressible cap having threads around the exterior surface of said cap opposite said contact projections.

5. In an incandescent electric lamp, a compressible base for said lamp, said base having a resilient compressible cap consisting of an electrical non-conducting substance, a metal strip projection and a separate contact projection embedded therein, said cap having a groove therein adjacent its lower margin, a wire lead embedded therein and connected to said metal strip and another wire connected to said contact projection.

6. In an incandescent electric lamp, a compressible base for said lamp, said base having a resilient compressible cap consisting of an electrical non-conducting substance, a metal strip projection and a separate metal contact projection embedded therein, said cap having a hole in its wall, a wire lead passing thru said hole and connected to said metal strip another wire connected to said contact projection.

7. In an incandescent electric lamp, a compressible base for said lamp, said base having a resilient cap consisting of an electrical non-conducting substance, said cap having spaced metallic contact projections embedded therein, contact leads connected to said projections, a filament within said lamp connected to the other ends of said leads, said cap having a notch therein to slip over and snugly fit the basal end of the lamp bulb.

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