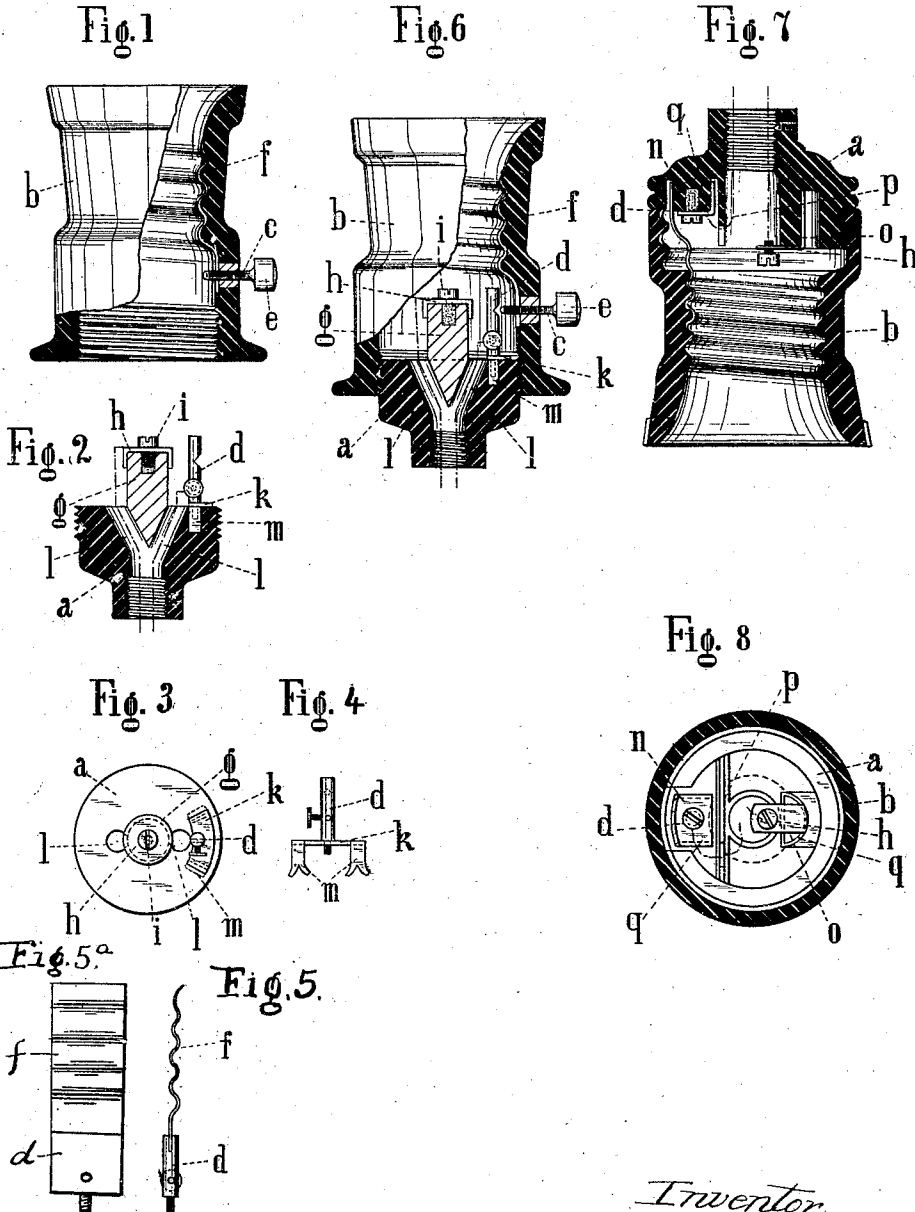


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 INCANDESCENT ELECTRIC LAMP OR LIKE HOLDER.
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Patented May 16, 1911.



Attest
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UNITED STATES PATENT OFFICE.

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INCANDESCENT-ELECTRIC-LAMP OR LIKE HOLDER.

992,636.

Specification of Letters Patent.

Patented May 16, 1911.

Application filed August 11, 1910. Serial No. 576,899.

To all whom it may concern:

Be it known that I, HEINRICH OTTO BEIGE, a subject of the Emperor of Germany, residing in Halle-on-the-Saale, Germany, have invented certain new and useful Improvements in Incandescent-Electric-Lamp or Like Holders, of which the following is a specification.

The present invention relates to a holder or socket for incandescent electric lamps or the like, said holder or socket consisting chiefly of insulating material and differing from known sockets of this kind in the very simple construction of the contacts and of the switch.

In the accompanying drawings:—Figure 1 is a view partly in section of the outer portion of an incandescent electric lamp holder or socket according to one method of carrying this invention into effect. Fig. 2 is a view in section of the portion of the socket which carries the contacts and terminals for the conductors. Fig. 3 is a plan of the same. Fig. 4 is a detail. Fig. 5 illustrates a modification which may be made in the construction shown in Figs. 1 to 4. Fig. 5^a is a view taken at right angles to Fig. 5. Fig. 6 is a view partly in section of the holder shown in Figs. 1 to 4. Fig. 7 is a view in section of an incandescent electric lamp holder according to another method of carrying this invention into effect, and Fig. 8 is a horizontal section of the same.

Referring to Figs. 1 to 4, the body *a* of ceramic material such as porcelain is provided with two passages *b* (Figs. 2 and 3) through which the current supply conductors are inserted, these conductors being connected to the contacts *h* *d* (Fig. 2). The contact *h* consists of a simple metal sleeve which is pressed on to the elevated contact seat *g*. In the center of the contact cap *h* is arranged the contact screw *i* and by which the conductor is clamped. The contact segment *k* has at its ends downwardly depending lugs *m* (Fig. 4) in the form of a fang bolt. The lugs *m* are embedded in recesses in the body *a* and are secured therein by means of fire-resisting cement. The contact member *k* carries the contact pin *d* which is provided with a recess. Arranged beneath this recess is the hole and the screw for the connection of the corresponding conductor. The pin *d* is coated with an insulating substance in order to avoid unin-

tentional contacts being made. Upon the wires being attached to *k* and *h* the shell *b* is placed over the socket *a* so that the pin *d* comes opposite the screw *c* (Fig. 6).

To permit of the passage of the current through the conductor to the pin *d* the screw *c* which is provided with an insulated head *e* is screwed into the recess in *d*. The current then passes to the metal tongue *f* which is secured beneath the head of the screw *c*. The screw *c* may therefore be employed as a switch. The metal tongue *f* having the form of a narrow strip constitutes in a known manner a part of the screw thread in the shell *b*. In the event of the holder being used without a screw *c*, the tongue *f* is simply secured to the pin *d* (Fig. 5).

Fig. 6 illustrates the mounting in assembled position.

In Figs. 7 and 8 a constructional form is shown in which for the purpose of preventing short circuiting the contacts *h* and *d* are as much remote from each other as possible and are separated by a partition *p*. Moreover in order to facilitate the assembling and mounting operations the contacts *h* *d* are slipped on to special posts *n* *o* of a polygonal or crescent form by means of a cap shaped attachment *q*.

It is obvious that various other modifications may be made in the manner of carrying this invention into effect.

What I claim as my invention and desire to secure by Letters Patent is:—

1. In an incandescent electric lamp or like holder the combination of a sleeve for receiving the base of the lamp, a plug removably insertible in said sleeve and through which the supply conductors can be led, a pillar on said plug, the end of which forms the central contact and a lateral projection on said plug forming a terminal and a connection to said sleeve.

2. In an incandescent electric lamp or like holder the combination of a sleeve for receiving the base of the lamp, a plug removably insertible in one end of said sleeve and through which the supply conductors can be led, a pillar on said plug, a metal sleeve on the end of said pillar forming the central contact and a lateral projection on said plug forming a terminal and a connection to said sleeve.

3. In an incandescent electric lamp or like holder the combination of a sleeve for receiving the base of the lamp, a plug remov-

- ably insertible in one end of said sleeve and through which the supply conductors can be led, a pillar on said plug, a metal sleeve on the end of said pillar attached to it by a screw and forming the central contact and a lateral projection on said plug forming a terminal and a connection to said sleeve.
4. In an incandescent electric lamp or like holder the combination of a sleeve for receiving the base of the lamp, a plug removably insertible in one end of said sleeve and through which the supply conductors can be led, a pillar on said plug, a metal sleeve on the end of said pillar forming the central contact and a member having lugs for attaching it to said plug, a pin projecting from said member forming a terminal and a connection to said sleeve.
5. In an incandescent electric lamp or like holder the combination of a sleeve for receiving the base of the lamp, a plug removably insertible in one end of said sleeve and through which the supply conductors can be led, a pillar on said plug, a metal sleeve on the end of said pillar forming the central contact, a member having lugs for attaching it to said plug, a pin projecting from said member forming a terminal, and a screw passing through said sleeve and adapted to act as a switch by making contact between said pin and said sleeve.
6. In an incandescent electric lamp or like holder the combination of a sleeve of insulating material for receiving the base of the lamp, a metal strip or tongue on the inner side of said sleeve forming a contact for making connection to the lamp or the like, a plug removably insertible in said sleeve and through which the supply con-

ductors can be led, a pillar on said plug the end of which forms the central contact, and a lateral projection on said plug forming a terminal and a connection to said strip or tongue.

7. In an incandescent electric lamp or like holder the combination of a sleeve of insulating material for receiving the base of the lamp, a metal strip or tongue on the inner side of said sleeve forming a contact for making connection to the lamp or the like, a plug removably insertible in said sleeve and through which the supply conductors can be led, a pillar on said plug the end of which forms the central contact, a member having lugs for attaching it to said plug, a pin projecting from said member and forming a terminal, a screw passing through said sleeve and the strip or tongue and adapted to make contact between said strip or tongue and said pin.

8. In an incandescent electric lamp or like holder the combination of a sleeve for receiving the base of the lamp, a plug removably insertible in one end of said sleeve and through which the supply conductors can be led, a pillar on said plug the end of which forms the central contact, a lateral projection on said plug forming a terminal and connection to said sleeve and an insulating partition between said pillar and said projection.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two subscribing witnesses.

HEINRICH OTTO BEIGE.

Witnesses:

MORITZ SPREER,
RUDOLPH FRICKE.