

O. ZIELINSKI.

EDISON SCREW SWITCH HOLDER FOR INCANDESCENT LAMPS.

APPLICATION FILED MAY 17, 1902.

NO MODEL.

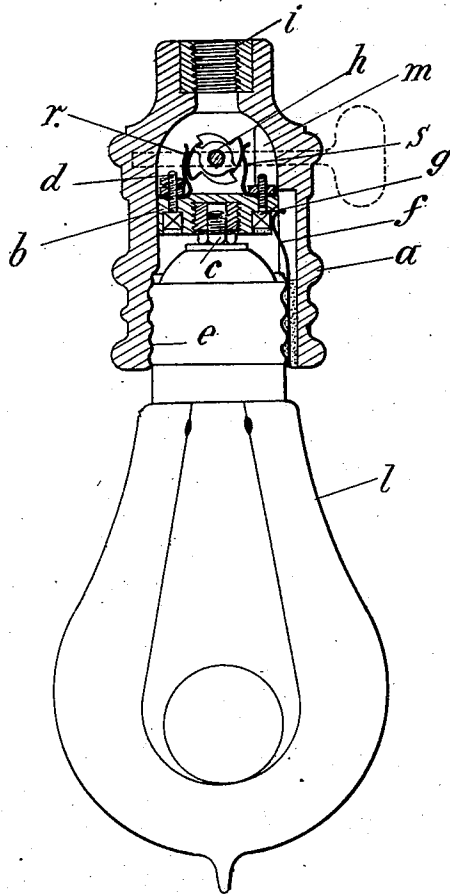


Fig. 1.

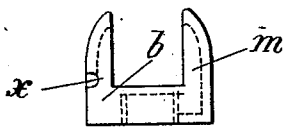


Fig. 2.

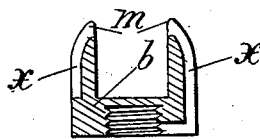


Fig. 3.

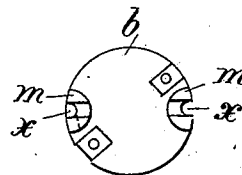


Fig. 4.

Witnesses:

Alumina
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UNITED STATES PATENT OFFICE.

OSCAR ZIELINSKI, OF BERLIN, GERMANY.

EDISON-SCREW SWITCH-HOLDER FOR INCANDESCENT LAMPS.

SPECIFICATION forming part of Letters Patent No. 723,510, dated March 24, 1903.

Application filed May 17, 1902. Serial No. 107,845. (No model.)

To all whom it may concern:

Be it known that I, OSCAR ZIELINSKI, engineer, a subject of the German Emperor, and a resident of 4 Lübeckerstrasse, Berlin, Germany, have invented new and useful Improvements in the Construction of Edison-Screw Switch - Holders for Incandescent Lamps, of which the following is a specification.

This invention relates to improvements in the construction of Edison-screw switch-holders for incandescent lamps.

The object of the invention is to simplify the construction, so that the lamp can be easily and quickly fitted into the switch-holder, and to reduce the metal parts in the construction of the switch-holder to a minimum, so that this improved sleeve for incandescent lamps offers the highest possible security against short circuit.

In the accompanying drawings, Figure 1 is a vertical section through an improved switch-holder with the lamp-bulb inserted. Fig. 2 shows the socket for the center contact in front view. Fig. 3 is a vertical section, and Fig. 4 a plan, of Fig. 2.

The lamp-globe *l* is screwed into the bottom end of the switch-holder *a* in the usual manner. The switch-holder *a* is made of porcelain, glass, or any other suitable non-conducting material. The screw-threads of the switch-holder *a* are provided with a metal lining *e* in the well-known manner.

In the upper part of the inner boring of the switch-holder *a* the switch, with the switch-wheel *h*, is mounted. On the socket *b* of the center contact, made of stone, porcelain, or similar material, the clamping devices *c d* and the conducting-springs *r s* are fixed. One of the clamps, *c*, forms at the same time the center contact for the bulb. The upper surface of the socket *b* has two upwardly-extending insulating-brackets *m*, which correspond on their outer surface in shape with the inner wall of the boring of the switch-holder or sleeve *a*. (See Fig. 2.) These brackets *m* serve for guiding the socket and at the same time for insulating the terminals of the service-wires. For this purpose these

contacts have grooves *x*, Figs. 3 and 4, for the reception of the filaments.

The socket *b* of the center contact is inserted into the sleeve or switch-holder *a* from the bottom through the thread-fitting *e* and pushed upward until the upper ends of the brackets *m* abut against the upper end of the inner boring of the sleeve. The contact-springs *r s* now grip over the teeth of the switch-wheel and a spring *f*, which is secured to the metal lining *e* of the threads, pressed against a screw *g*, which is provided in the socket and connected with the spring-contact *s*. The socket *b* lies loosely in the boring of the switch-holder, being only secured in its position by the contact-springs *r s* and the spring *f* until it is entirely secured, when the neck of the globe *l* is screwed into the thread-fitting *e*. By inserting the socket *b* the connection is established with the metal lining *e* of the thread from the clamp device *d* over the spring-contact *r*, the switch-wheel *h*, spring-contact *s*, screw *g*, and spring *f*.

It is very simple to fit this improved switch-holder to the incandescent lamp. The service-wires are inserted through the opening of the switch-holder *a*, connected with the clamps *c d*, and passed through the grooves *x* of the brackets *m*. In pulling up the conducting-wires the socket *b* is brought into its proper position, (shown in Fig. 1,) whereupon the bulb *l* of the lamp is screwed in.

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

Improved Edison-screw switch-holder for incandescent lamps made of insulating material comprising in combination with the usual sleeve having screw-threads at the bottom end of its boring, and a metal lining for the threads, a switch with switch-wheel arranged on the top end of the inner boring of the sleeve, a socket for the center contact made of insulating material, upwardly-extending guiding-brackets on said socket equally made of insulating material and corresponding in shape with the upper end of the inner boring of the sleeve, grooves in these brackets for the reception of the service-wires,

clamping-screws in the socket and contact-springs fixed on the socket and pressing against the teeth of the switch-wheel, a spring on the thread-lining, a screw in the socket as
5 abutment for said spring connected with one of the contact-springs, substantially as described and shown and for the purpose set forth.

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

OSCAR ZIELINSKI.

Witnesses:

WOLDEMAR HAUPT,
HENRY HASPER.