

D. P. WOLHAUPTER.
CHAIN GUIDE FOR ELECTRICAL PULL SOCKETS.
APPLICATION FILED FEB. 15, 1911.

991,684.

Patented May 9, 1911.

Fig. 1.

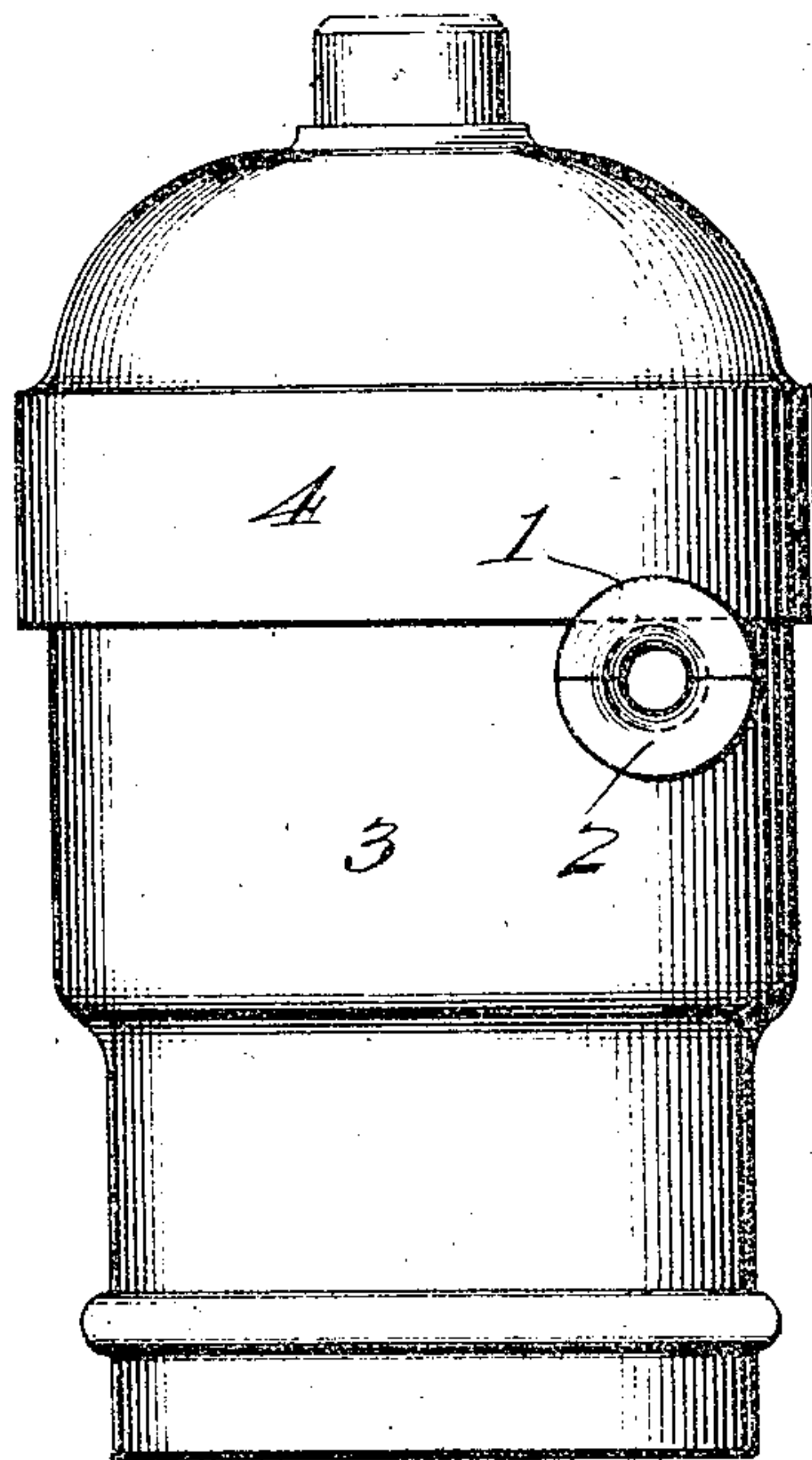


Fig. 2.

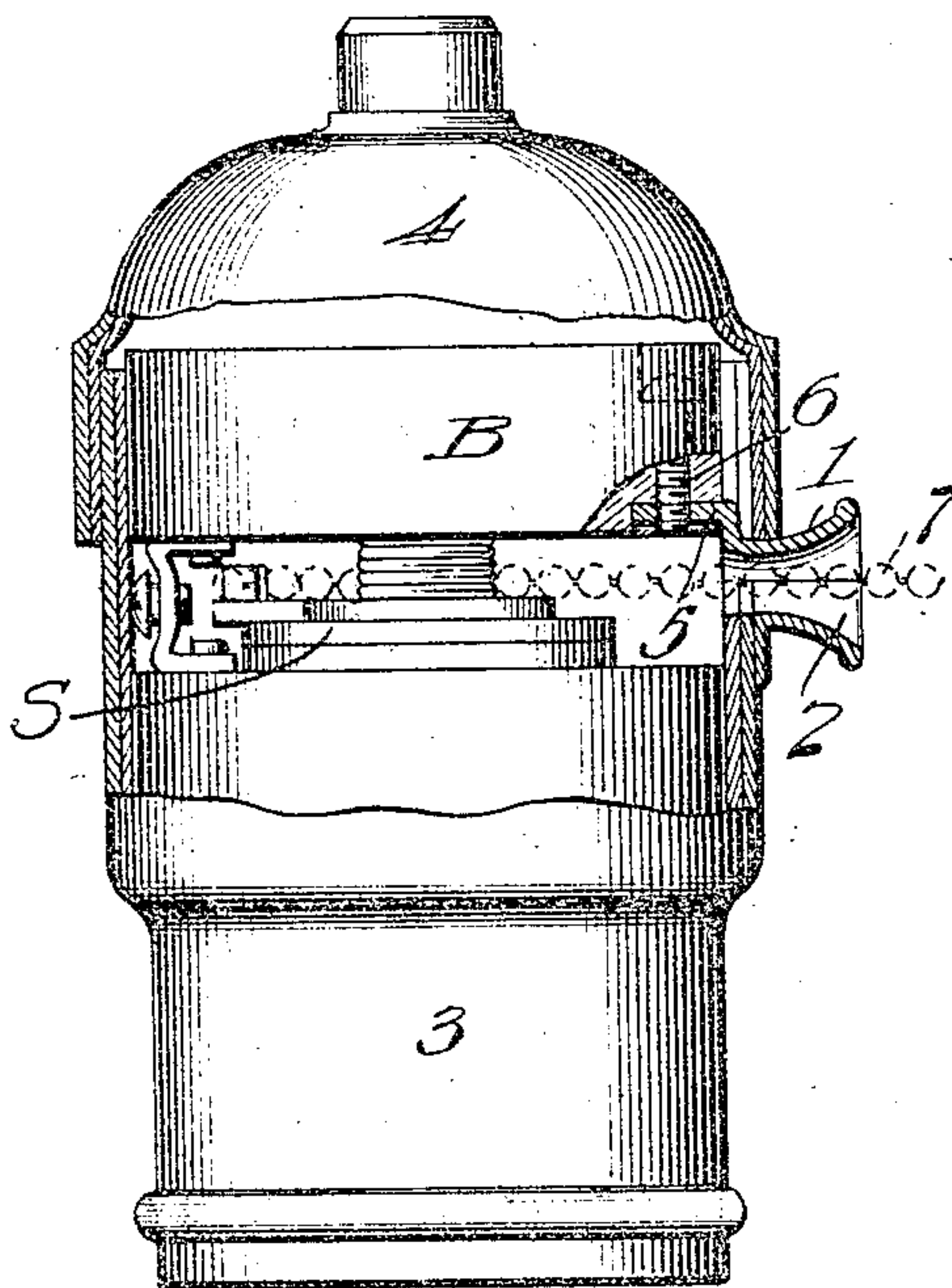
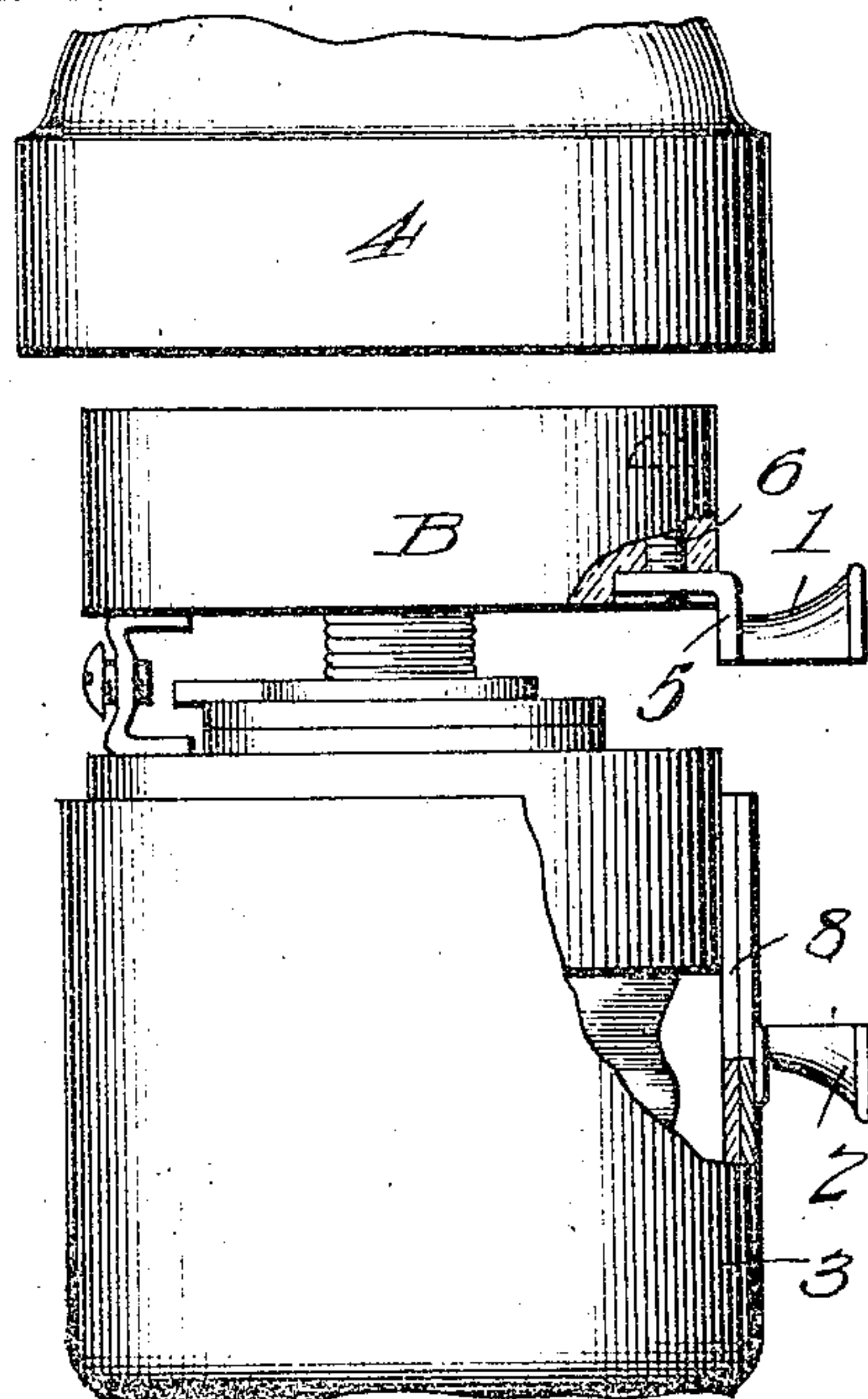


Fig. 3.



WITNESSES

*T. L. Mockman
Emory L. Groff.*

INVENTOR

David P. Wolhaupter.

UNITED STATES PATENT OFFICE.

DAVID P. WOLHAUPTER, OF WASHINGTON, DISTRICT OF COLUMBIA.

CHAIN-GUIDE FOR ELECTRICAL PULL-SOCKETS.

991,684.

Specification of Letters Patent.

Patented May 9, 1911.

Application filed February 15, 1911. Serial No. 608,825.

To all whom it may concern:

Be it known that I, DAVID P. WOLHAUPTER, a citizen of the United States, residing at Washington, District of Columbia, have invented certain new and useful Improvements in Chain-Guides for Electrical Pull-Sockets, of which the following is a specification.

This invention relates to an improvement in chain guides for electrical pull sockets, and more particularly to a practical embodiment of the invention set forth in my other application filed Jan. 5, 1911, and bearing Serial No. 601,026.

To this end the invention has in view a novel means of mounting a divided chain guide of the type specified in the other application referred to, whereby the guide will normally perform all of the functions of properly guiding the chain of a pull switch, while at the same time entirely obviating the necessity of threading the pull chain by permitting it to be entirely freed from confinement by the act of opening up the outside casing and removing the switch body.

Also, the invention contemplates a construction wherein the separate sections of the guide can be conveniently and readily reburnished, which is an operation usually carried out in preparing fixtures of this character for the market.

With these and other objects in view, which will be readily apparent to those skilled in the art, the invention consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated and claimed.

While susceptible to embodiment in various ways by use of different mechanical equivalents, the invention is well exemplified by the single form thereof shown in the accompanying drawings, in which:

Figure 1 is an external view of an electrical pull socket embodying the present invention. Fig. 2 is a sectional view of the same. Fig. 3 is a view similar to Fig. 2 but illustrating the parts in separated relation to show the manner of opening the chain guide through the act of detaching the cap from the shell and removing the switch body from the latter.

Like references designate corresponding parts in the several figures of the drawings.

The improved chain guide broadly speaking, comprises guide supporting means, and a separable guide body consisting of two

parts or sections whose line of separation is longitudinally of the body so that the latter may be said to be openable laterally to admit the laying in and removal of the pull chain at any portion of the length of the latter.

In the form of the invention shown in the drawings, it is to be understood that the guide body may be of any suitable form or configuration, but is preferably of the usual horn or bell type and constructed of two parts or sections 1 and 2 of duplicate formation, with the line of separation longitudinally of the body and adapted to be brought into register to make the complete guide. According to the present invention, it is intended that one section of the guide, viz: the section 1, be fitted to, and carried by, the removable switch body B of the pull socket, while the other duplicate and complementary guide section 2 is fitted to, and carried by, the shell member 3 of the socket casing which includes the said shell member and the usual cap 4. Any suitable means may be employed for securing the separate guide sections to their respective supporting elements. For instance, the guide section 1 may be fitted to, or formed with, a holding bracket or arm 5 which is detachably held to the switch body B by a fastening screw 6 or equivalent means, while the other guide section 2 may be secured at its inner end to the body of the shell 3 by brazing, riveting, clenching, or equivalent fastening expedients well known to sheet metal workers.

The switch body B may be of any of the well known conventional forms and carries therewith a suitable pull switch designated in its entirety by the reference letter S and including the usual pull chain 7 which is guided through the eye of the chain guide. Further, the section 1 of the chain guide that is carried by the switch body B is adapted to move into and out of a keeper slot 8 formed in the edge of the casing shell 3 in line and communication with the guide section 2 that is carried by the said shell 3, so that when the two sections of the guide are in register, the guide section 1 is held firmly in position by the slot 8, besides acting itself as a holding means to prevent independent axial movement of the switch body B.

With the construction described, any fastening connection may be provided between the shell and cap members of the casing and

any adjustment of the cap on or about the shell 3 is not interfered with in the least. Furthermore, when the cap and shell are separated as shown in Fig. 3, and the switch body lifted out, the chain guide becomes opened up and frees the chain.

I claim:

1. A pull chain guide comprising a two part support consisting of the casing and switch body of a pull socket, and a two part guide body, the separate sections of the guide body being respectively carried by the casing and switch body of the socket.

2. In a pull socket, the combination with the casing and the inner removable switch body, of a laterally openable chain guide partly carried respectively by the casing and switch body.

3. In a pull socket, the combination with the outer casing and the inner switch body, of a divided chain guide whose separate sections are carried respectively by the casing and the switch body.

4. In a pull socket, the combination with the casing having shell and cap members, and the switch body, of a divided chain guide whose separate sections are carried respectively by the shell member and the

switch body and which are held in register by the cap member.

5. In a pull socket, the combination with the casing having shell and cap members and the switch body, the shell member of the casing being provided in its edge with a keeper slot, of a two-part chain guide body whose separate sections are carried respectively by the shell member and the switch body, the guide section that is carried by the switch body being adapted to removably lie within the keeper slot.

6. In a pull socket, the combination with the shell and cap members of the casing, and the switch body, of a two-part guide body whose separate sections are respectively carried by the shell member and by the switch body, the guide section that is carried by the switch body having a holding engagement with the shell member while in register with the other guide sections.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

DAVID P. WOLHAUPTER.

Witnesses:

A. M. PARKINS,
R. C. BRADDOCK.