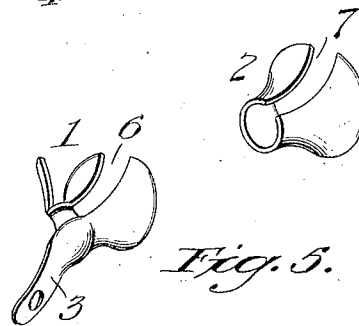
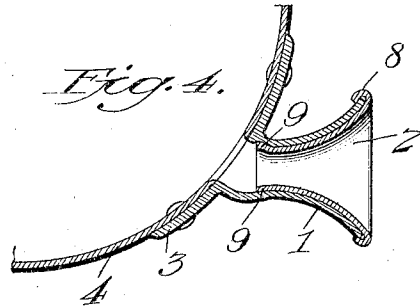
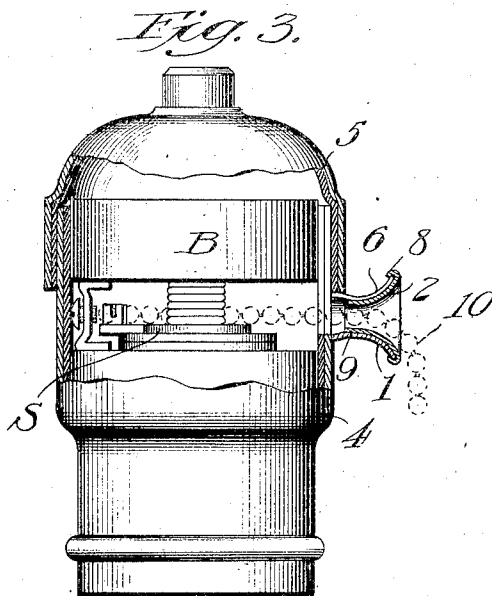
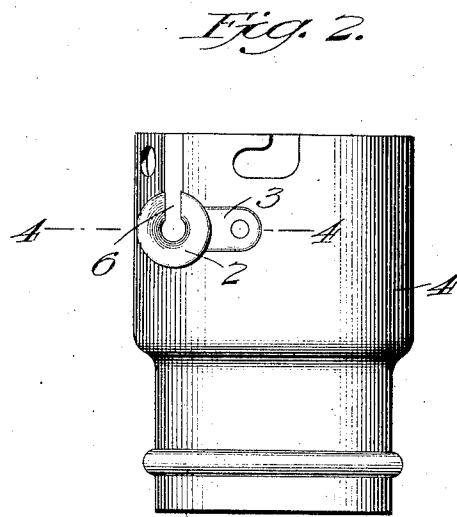
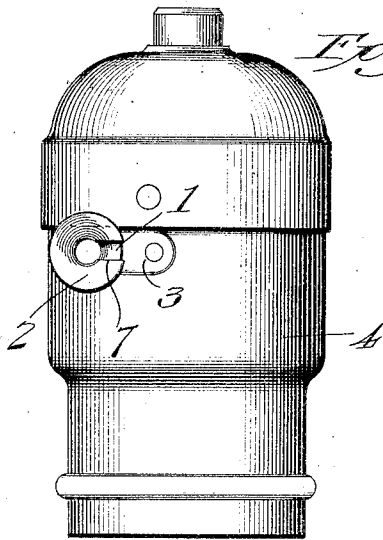


E. H. FREEMAN.
CHAIN GUIDE FOR ELECTRICAL PULL SOCKETS.
APPLICATION FILED JUNE 2, 1911.

1,002,574.

Patented Sept. 5, 1911



Witnesses

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CHAIN-GUIDE FOR ELECTRICAL PULL-SOCKETS.

1,002,574.

Specification of Letters Patent.

Patented Sept. 5, 1911.

Application filed June 2, 1911. Serial No. 630,953.

To all whom it may concern:

Be it known that I, EDGAR H. FREEMAN, a citizen of the United States, residing at Trenton, in the county of Mercer and State of New Jersey, 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 of the type wherein 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 through the guide by permitting it to be entirely freed from confinement through simple manipulation of the guide, which is so constructed as to be openable laterally in the direction of its length.

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 particularly described, illustrated and claimed.

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

Figure 1 is an external view of an electrical pull socket casing fitted with a guide constructed in accordance with the present invention. Fig. 2 is an elevation of the shell member of the socket casing showing the guide opened to admit of the laying in and removal of the pull chain at any point of the length of the latter, the illustration in Fig. 1 showing the chain guide closed to perform its normal functions. Fig. 3 is a vertical sectional view fully illustrating the guide in its relation to the socket casing, and the pull switch therein. Fig. 4 is an enlarged cross-sectional view on the line 4-4 of Fig. 2, illustrating more plainly the preferred manner of constructing the two-part guide body to admit of the same being opened and closed at will, whereby the chain can be laid in and removed laterally. Fig. 5 is a detail in perspective of the two-part guide body showing the separate members thereof in detached or separated relation.

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

The improved chain guide forming the subject-matter of this application comprises suitable supporting means, and a guide body, so constructed that the same is openable laterally and also readily closable, the lateral opening of the guide body admitting the laying in and removal of the pull chain at any point of the length of the latter, while the closure feature of the guide body enables the same to successfully perform all of the functions of the conventional one-piece pull chain guide or horn, such as commonly employed.

In carrying out the present invention 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 members, 1 and 2, of substantially duplicate formation, and which may be respectively referred to as the outer and inner bell members. The guide body as an entirety is designed to be carried upon any convenient part of the socket casing or switch body therein, but in the embodiment shown the outer bell member 1 of the guide body is preferably formed at its inner or smaller end with an attaching flange or plate 3 adapted to be brazed, riveted, clenched or otherwise suitably fastened to the shell member 4 of the socket casing, and in such a position as not to interfere with the usual and proper mounting of the socket cap 5. Aside from its mode of fastening to the casing or other part of the electrical socket, the outer bell member 1 of the guide body is formed in its side and longitudinally thereof with a chain slot 6, through which the pull chain is inserted and removed, and a corresponding and similarly disposed slot 7 is provided in the side of the inner bell member 2 which is rotatively nested inside of the outer bell member 1. The said inner bell member 2 snugly, though rotatively, fits within its companion and similarly shaped outer bell member 1, and may be held against displacement from this relation by any suitable means, such, for instance, as by a retaining flange 8 turned from the outer edge of the member 2 over the outer edge of the member 1, which holding means may be supplemented by an expanded holding bead 9 provided in the inner end of the member 2, as plainly shown in Fig. 4 of the drawing, but either or both of these means

may be substituted by other equivalent means that will hold the inner member 2 firmly in place, while, at the same time, permitting it to be readily manipulated manually to bring the two slots 6 and 7 into register, or out of register, accordingly as the pull chain is to be inserted or removed, or the guide is to perform the normal function of guiding the pull chain 10, which works through the eye of the guide, and is oppositely associated with the pull switch S carried by the switch body B located within the socket casing and of any construction.

It will be apparent that the construction described does not interfere with the cap mounting and fastening.

I claim:—

1. A pull chain guide comprising a guide body having a lateral opening and a closure therefor.

2. A pull chain guide comprising a laterally openable body having a manually operable closure.

3. A pull chain guide comprising a two-part body having a chain slot and closing means therefor.

4. A pull chain guide comprising an outer member having a chain slot and an inner

member arranged to operate as a closure for said slot.

5. A pull chain guide comprising an outer member having a chain slot and an inner member also having a chain slot and arranged to operate as a closure for the slot in the outer member.

6. A pull chain guide comprising an outer member having in its side a longitudinally disposed slot, and an inner member rotatively mounted within the outer member.

7. A pull chain guide comprising an outer member having a chain slot, and an inner member having a chain slot, said inner member being rotatively nested within the outer member.

8. A pull chain guide comprising an outer bell member having a longitudinally disposed chain slot and an inner bell member having a similar slot and rotatively interlocked with the outer member.

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

EDGAR H. FREEMAN.

Witnesses:

MARY S. CURTIS,
ANNIE A. HENRY.