E. H. FREEMAN.

PULL CHAIN GUIDE.

APPLICATION FILED JUNE 21, 1911.

1,008,320. Patented Nov. 14, 1911.

Fig. 1.

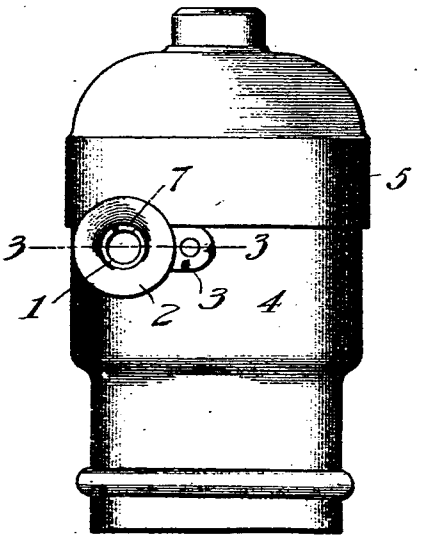


Fig. 2.

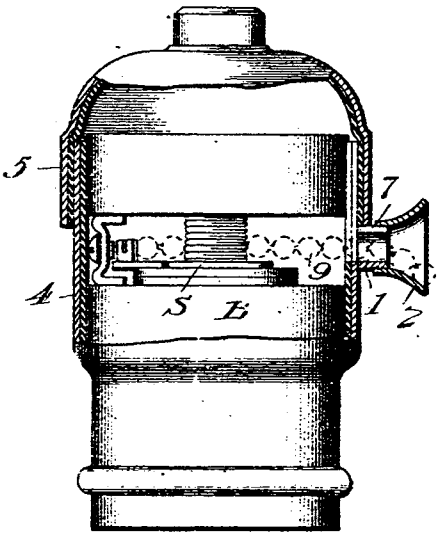
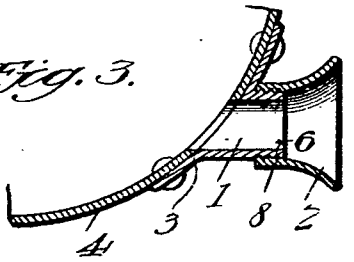


Fig. 3.



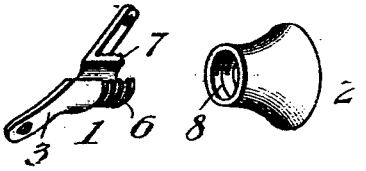


Fig. 4.

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UNITED STATES PATENT OFFICE.

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PULL-CHAIN GUIDE.

1,008,320. Specification of Letters Patent. Patented Nov. 14, 1911.

Application filed June 21, 1911. Serial No. 634,592.

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 Pull-Chain Guides, of which the following is a specification.

This invention relates to chain guides for electrical pull sockets, and has in view an improved construction of guide possessing all of the characteristics and functions of the conventional one-piece pull chain guide or horn, while, at the same time, providing means whereby the main guiding member or bell of the guide may be readily and conveniently handled for reburnishing purposes.

A further object of the invention is to provide an improved pull chain guide embodying the novel and practical feature of a guide body so constructed as to admit of the same being opened and closed at will, whereby the chain is entirely freed from confinement through simple manipulation of the guide and may be laid in and removed laterally. At the same time the invention provides a construction which admits of the usual threading operation of the chain through the guide if conditions so require.

With these and other objects in view, which will be readily apparent to those skilled in the art as the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more particularly described.

While susceptible to embodiment in various ways by the 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 pull chain guide constructed in accordance with the present invention. Fig. 2 is a vertical sectional view illustrating the improved guide in its operative relation to the socket casing and to the pull switch therein. Fig. 3 is an enlarged cross sectional view on the line 3—3 of Fig. 1. Fig. 4 is a detail in perspective of the guide body showing the separate members thereof in detached or separated relation.

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

The guide body may be of any suitable form or configuration. However, it is preferably of the usual horn or bell-type and constructed of two parts or members 1 and 2, which may be respectively referred to as the inner fixed member and the outer detachable bell member. This 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 inner fixed member 1 of the guide body is preferably formed at its inner 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 socket, the inner member 1 of the guide body is tubular in form and is exteriorly threaded as indicated at 6, while also being provided in its side and longitudinally thereof with a chain slot 7, through which the pull chain is inserted and removed laterally at any portion of its length without the necessity of running the chain longitudinally through the guide in both the assembling and disassembling operations.

As indicated, the outer detachable member 2 of the guide body is of bell shape and the smaller or neck part thereof is interiorly threaded as indicated at 8 to detachably engage the threaded part 6 of the inner fixed tubular member 1. Thus it will be seen that when the outer member 2 is screwed into placed over the inner threaded member 1 the said outer member acts as a complete closure for the chain slot 7, so that the guide thus presents all of the structural advantages, as well as performs all of the functions of the conventional one-piece chain guide or horn in connection with the pull chain 9 of the pull switch S carried by the switch body B located within the socket casing. At the same time the removal of the outer member 2 opens up the guide laterally, so that

the chain can be laid in and removed laterally. Also the outer or main guide member 2 is readily available for reburnishing purposes.

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 detachable closure therefor.

2. A pull chain guide comprising a body having a lateral opening, and a manually operable detachable closure.

3. A pull chain guide comprising a two-part body, one member of which is slotted and the other member of which is detachable and arranged to cover the slotted part of the body.

4. A pull chain guide comprising a two-part body one member of which is provided with a chain slot and the other member of which is detachably and rotatably engaged with the slotted member and serves to open and close said slot.

5. A pull chain guide comprising an inner fixed slotted member and an outer one-piece bell member detachably engaged with the slotted member and serving to open and close the slot.

6. A pull chain body comprising an inner fixed slotted member and an outer one-piece bell member detachably engaged with the fixed member and arranged to operate as a closure for its slot.

7. A pull chain guide comprising an inner slotted fixed member having a chain slot and an outer bell member having a threaded engagement with the slotted member and serving to open and close the slot thereof.

8. A pull chain guide comprising a fixed longitudinally slotted member having a threaded section and an outer detachable one-piece bell member having threads to engage the threaded section and serving to open and close the slot of said slotted member.

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

EDGAR H. FREEMAN.

Witnesses:
EDNA C. SMITH,
JENNIE T. MCCANN.