

Jan. 12, 1926

1,568,995

R. B. BENJAMIN

ATTACHMENT PLUG

Filed April 17, 1922

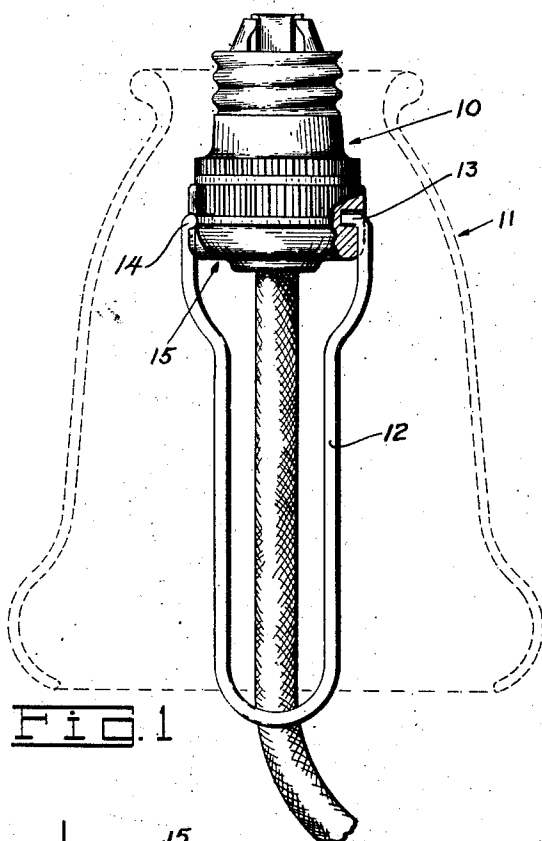


Fig. 1

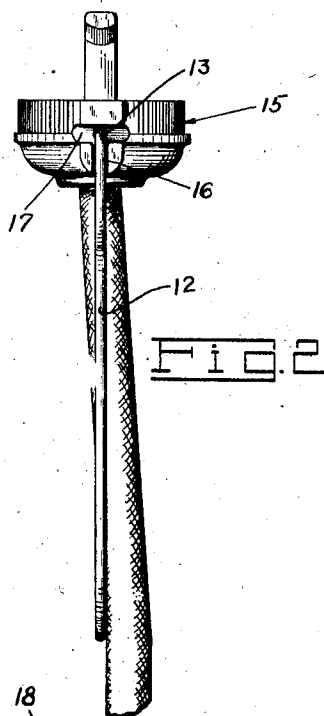


Fig. 2

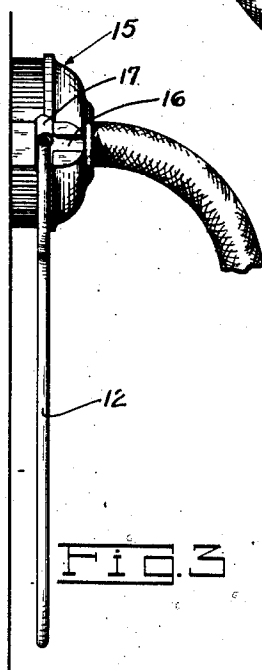


Fig. 3

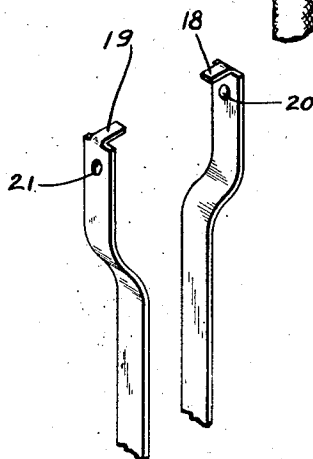


Fig. 4

INVENTOR:

Reuben B. Benjamin

BY:

Jones, Addington Ames & Seibold
ATTORNEYS

UNITED STATES PATENT OFFICE.

REUBEN B. BENJAMIN, OF CHICAGO, ILLINOIS, ASSIGNOR TO BENJAMIN ELECTRIC MANUFACTURING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

ATTACHMENT PLUG.

Application filed April 17, 1922. Serial No. 553,856.

To all whom it may concern:

Be it known that I, REUBEN B. BENJAMIN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Attachment Plugs, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawing, forming a part of this specification.

My invention relates to attachment plugs, and more particularly to separable attachment plugs.

One of the objects of my invention is to provide improved means for facilitating the insertion and removal of the plug with respect to the socket, and of the cap with respect to the body of the plug.

A further object of my invention is to provide a separable attachment plug in which the cap portion is provided with an extension handle for facilitating the insertion of the plug in places which are difficult of access with the ordinary attachment plug.

A further object of my invention is to provide a separable attachment plug in which the cap is provided with an extension handle for facilitating its connection with the body portion of the plug after the body portion of the plug has been screwed into a socket.

Further objects will appear from the detailed description to follow and form the appended claims:

In the drawings in which an embodiment of my invention is shown—

Figure 1 is a side elevation of a separable attachment plug, the shade being shown in dotted lines;

Fig. 2 is a view of the cap from the right of Fig. 1;

Fig. 3 is a view showing the cap inserted in a side wall receptacle; and

Fig. 4 is a perspective view showing a different form of extension handle.

Referring now to the drawings in detail, the separable attachment plug 10 which is shown in its proper relative position with respect to the shade 11, is provided with an extension handle 12 in the form of a bail. The arms of this bail are pivoted at 13 and 14 to the cap member 15 of the separable plug.

For the purpose of this pivotal connection, the ends of the arms of the bail are bent inwardly, and extend into oppositely disposed recesses in the opposite sides of the cap 15.

Means are provided for holding the handle 12 in any one of several positions, either extending longitudinally of the plug as shown in Fig. 2 or extending at right angles to the axis of the plug as shown at Fig. 3. This prevents the handle from flopping around and also affords a firmer connection between the handle and plug. For this purpose, the insulating base of the cap is provided with grooves or notches 16 and 17, into either one of which the bail will snap when turned to the proper position, the bail 12 being formed of resilient wire, the tension in this wire being such as to tend to press the ends of the bail inwardly at 13 and 14 into engagement with the cap.

The construction shown in Fig. 4 is substantially the same as that just described, except that here the bail is formed of sheet material bent to provide inwardly extending pintles 18 and 19 for pivotal connection with the cap and having inwardly extending projections 20 and 21 for cooperation with the grooves 16 and 17 for holding the bail in either its longitudinally extending position or in its transversely extending position.

In using the plug, the bail 12 may be used either for screwing the plug into an Edison socket or for connecting and disconnecting the cap with respect to the body of the plug after the plug has been screwed into the socket.

It will be seen by reference to Fig. 1 that it would be quite difficult either to screw the plug into the socket with a shade such as shown here, or to connect or disconnect the cap with respect to the plug after it has been screwed into the socket, without the use of my extension handle.

While I have shown but two forms of my invention, it is obvious that it may be embodied in other forms covered by the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. A separable attachment plug comprising a body member and a cap member, said

body member comprising center and side contacts and blade-engaging contacts; said cap member comprising blades for engaging said blade-engaging contacts, an extension handle movably mounted on said cap member, and means for holding said extension handle in alignment with said plug.

2. An attachment plug provided with an extension handle, said extension handle being pivoted to said plug to swing about a transversely extending axis; and means for holding said handle in alignment with said plug.

3. An attachment plug provided with an extension handle, said extension handle comprising a bail-shaped member, having one arm pivoted to one side of the plug, and the other arm pivoted to the other side of the

plug, and means for holding said extension handle in alignment with said plug.

4. An attachment plug provided with an extension handle, said extension handle comprising a bail-shaped member having one arm pivoted to one side of the plug, and the other arm pivoted to the other side of the plug, the plug being provided with a notch for engaging a portion of the bail to hold it in alignment with the plug.

5. An attachment plug provided with an extension handle pivotally mounted to swing about an axis extending transversely of the plug, and means for holding said handle in different adjusted positions.

In witness whereof, I have hereunto subscribed my name.

REUBEN B. BENJAMIN.