

(No Model.)

H. C. WIRT.
FUSE PLUG.

No. 508,665.

Patented Nov. 14, 1893.

FIG. 1.

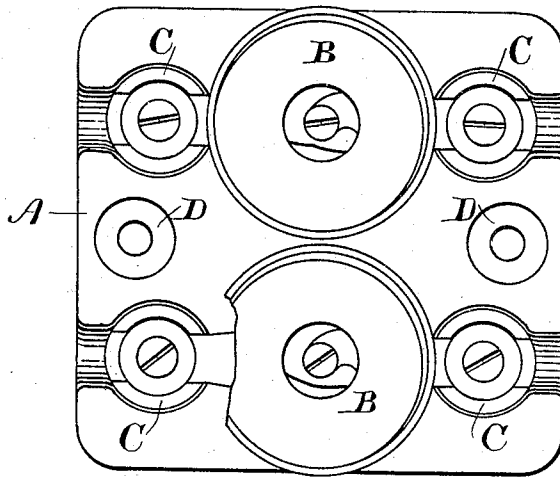


FIG. 2.

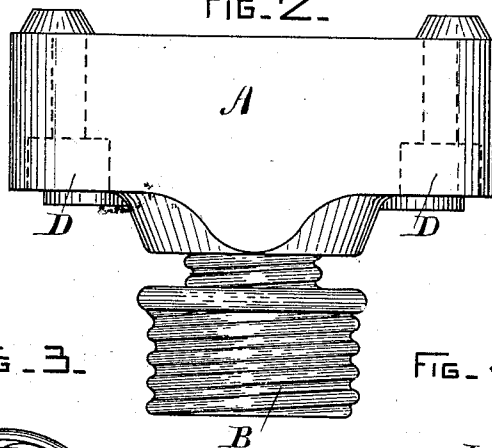


FIG. 3.

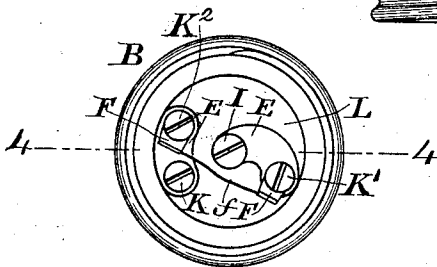
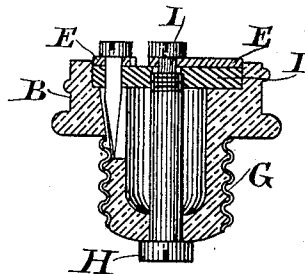


FIG. 4.



WITNESSES.

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UNITED STATES PATENT OFFICE.

HERBERT C. WIRT, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THE
GENERAL ELECTRIC COMPANY, OF SAME PLACE.

FUSE-PLUG.

SPECIFICATION forming part of Letters Patent No. 508,665, dated November 14, 1893.

Application filed May 26, 1893. Serial No. 475,630. (No model.)

To all whom it may concern:

Be it known that I, HERBERT C. WIRT, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Fuse-Plugs, of which the following is a specification.

My invention relates to fuse plugs such as are used upon incandescent lighting circuits; and has for its object to provide such a plug of simple and cheap construction, and one in which a fuse may be readily replaced by unskilled labor after it blows without necessitating the use of a new plug or the return of the old one to the factory to be repaired. To this end I provide a pair of detachable clips to carry the fuse, as more fully pointed out hereinafter.

In the drawings hereby annexed to and forming a part of this specification, Figure 1 is a view of the fuse block equipped with my improved plugs. Fig. 2 is a side elevation of the block shown in Fig. 1. Fig. 3 is a plan, and Fig. 4 is a section taken on the line 4, 4, of Fig. 3, of my improved fuse plug.

A is the block to which the lighting circuit is run; B B are the fuse plugs, shown more fully in Figs. 3 and 4; C, C, C, C, are the points of attachment of the line circuit, and D D are the screw holes arranged to secure the block in place. All these parts except the fuse plugs B B are such as are commonly known in the art and no further description is necessary.

Referring now to Figs. 3 and 4, E E are small clips of brass secured to the washer L of insulating material, by the screws K, K'.

One of the clips engages with the screw I and serves to make connection with the center contact H in the bottom of the plug, the other contact being made by the brass shell G connected to the other clip E, as fully illustrated in the figures. A fuse wire *f* of any desired capacity is soldered or otherwise fastened to the clips F F, these clips being attached to the clips E E by the screws K', K². It will thus be seen that when the fuse *f* blows the operator may unscrew the plug from the socket, and by removing the brass shell B' usually covering the plug, expose the parts shown in Figs. 3 and 4; by loosening the screws K', K² the remnants of the fuse attached to the clips F F may be removed, and a new fuse soldered to the same clips, or another fuse already provided with clips attached in its place.

Having thus described my invention, what I claim as new, and wish to protect by Letters Patent of the United States, is—

A fuse plug for incandescent lighting circuits, consisting of a base, as B, having an outer threaded shell G serving as one contact, a center pin H serving as the second contact, an insulating plate L on one end of the plug, clips secured to said plate and connected with the contacts respectively, and a fuse detachably secured to the clips, substantially as described.

In witness whereof I have hereunto set my hand this 24th day of May, 1893.

HERBERT C. WIRT.

Witnesses:

H. J. LIVERMORE,
A. O. ORNE.