

No. 684,090.

C. D. PLATT.
FUSE PLUG.

Patented Oct. 8, 1901.

(Application filed Apr. 27, 1901.)

(No Model.)

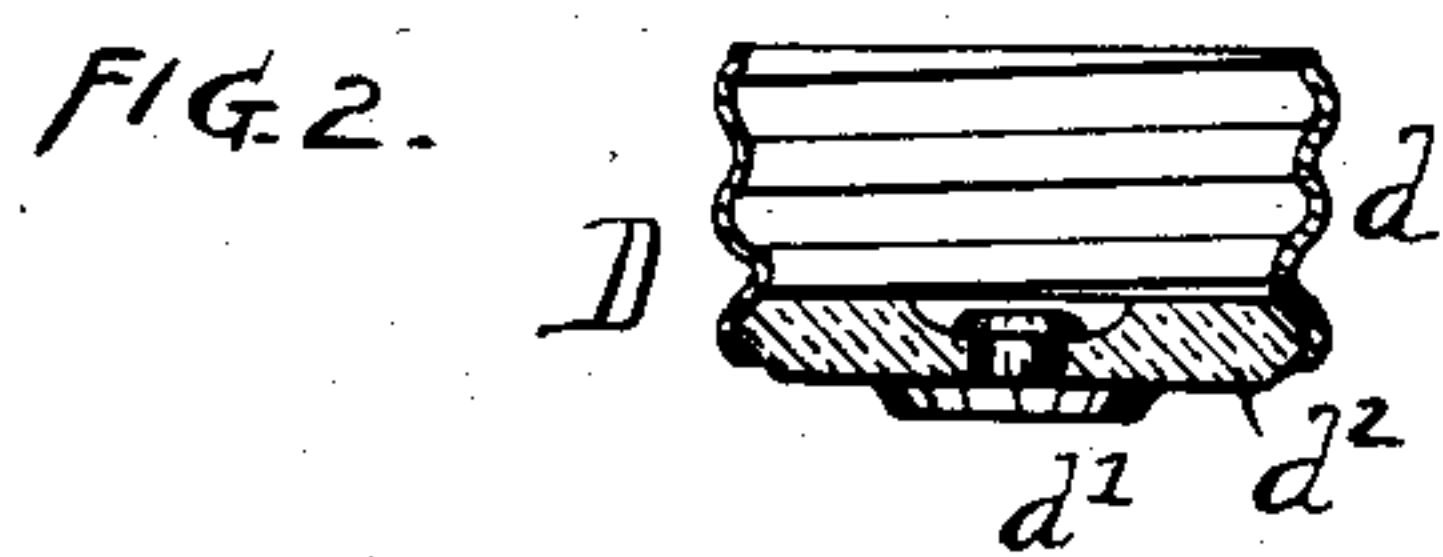
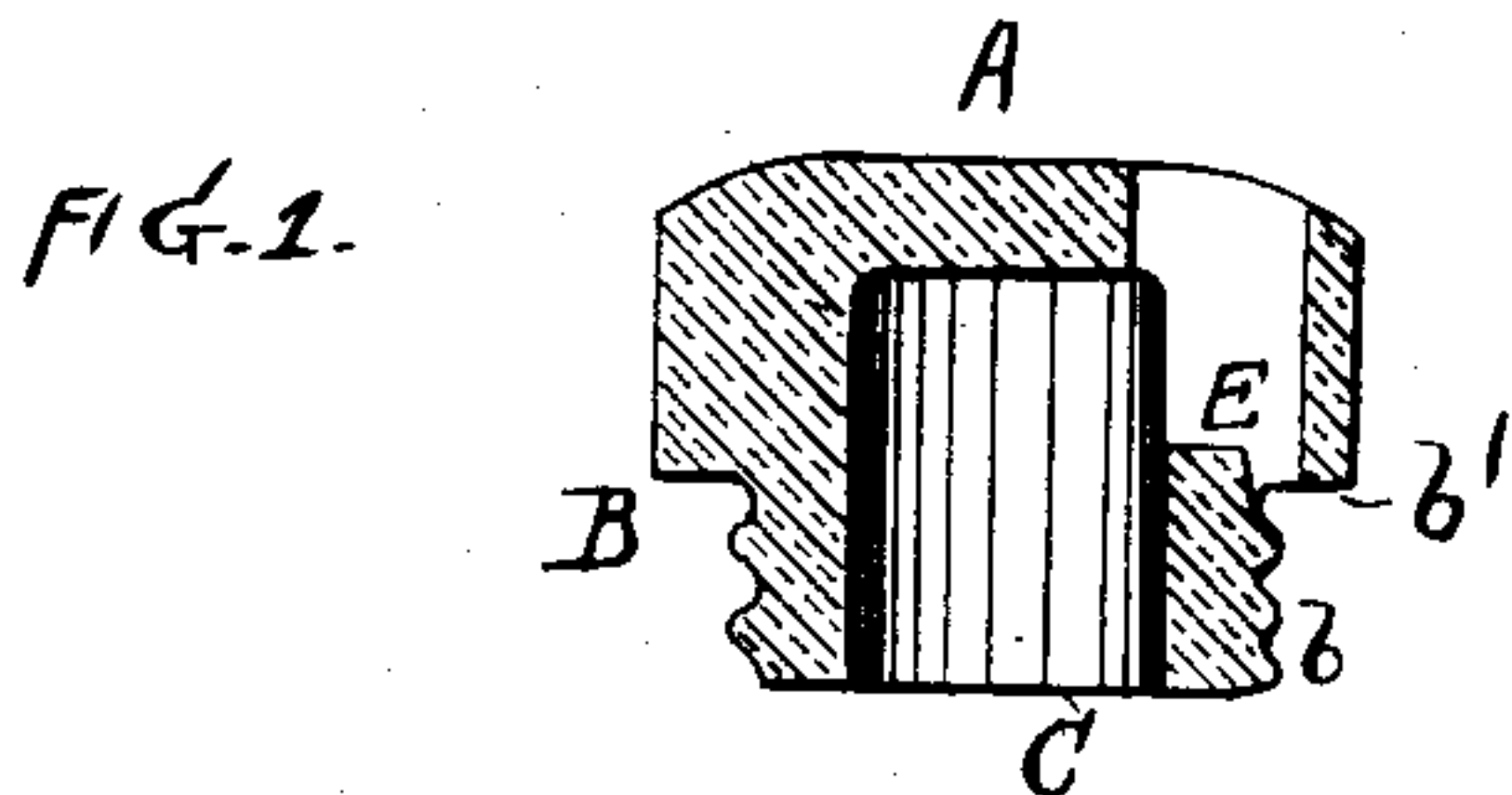


FIG. 3.

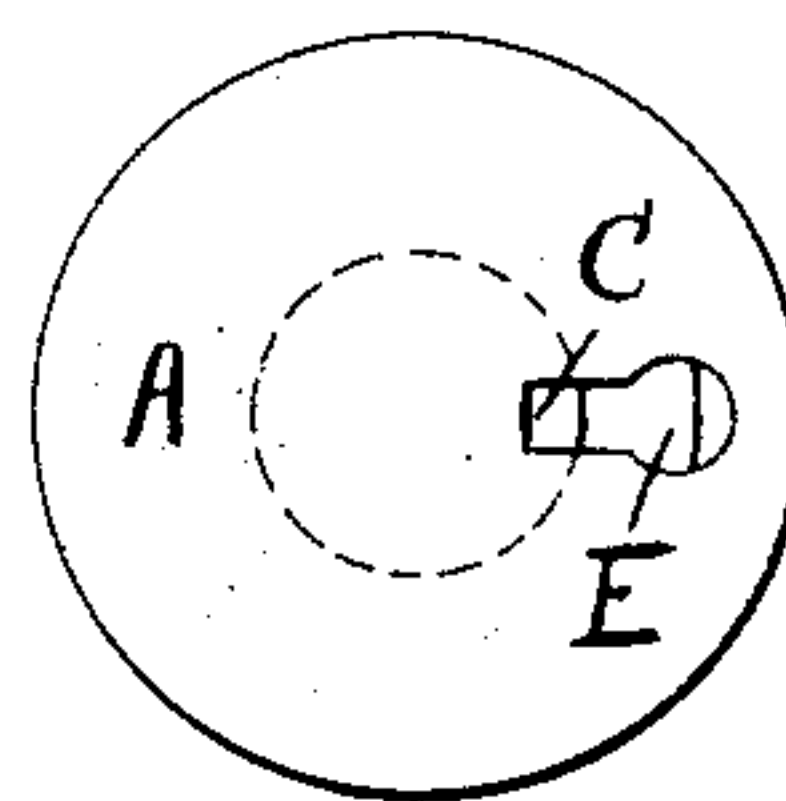


FIG. 5.

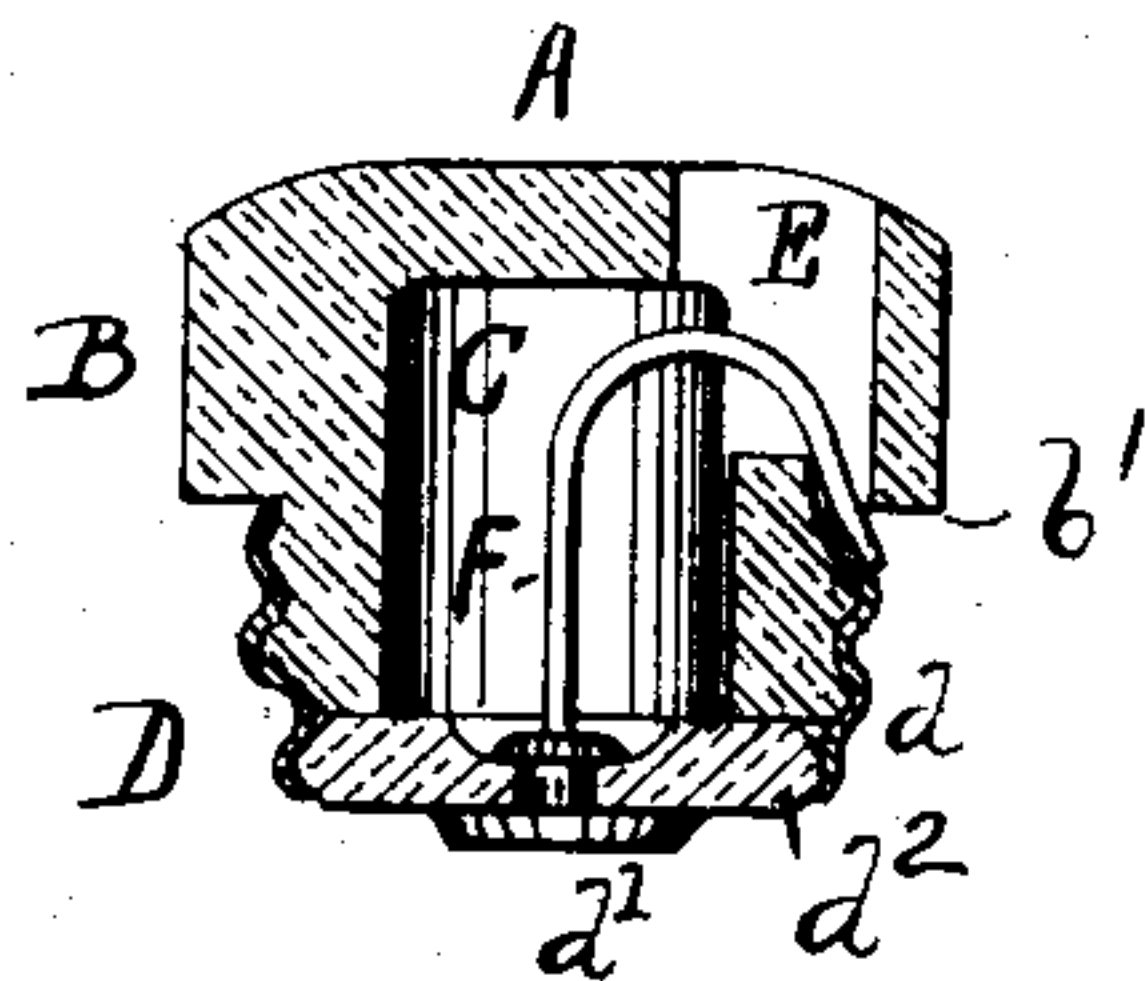


FIG. 4.

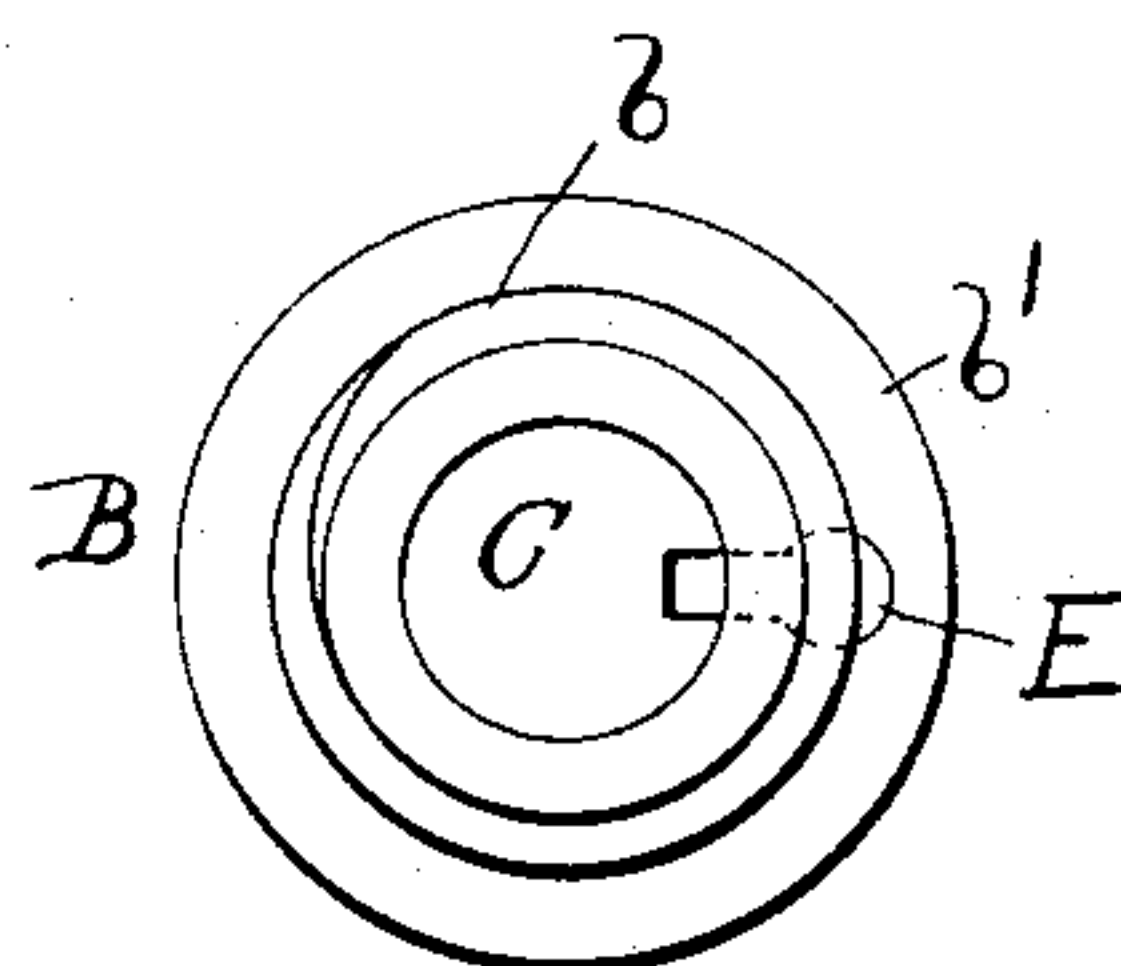
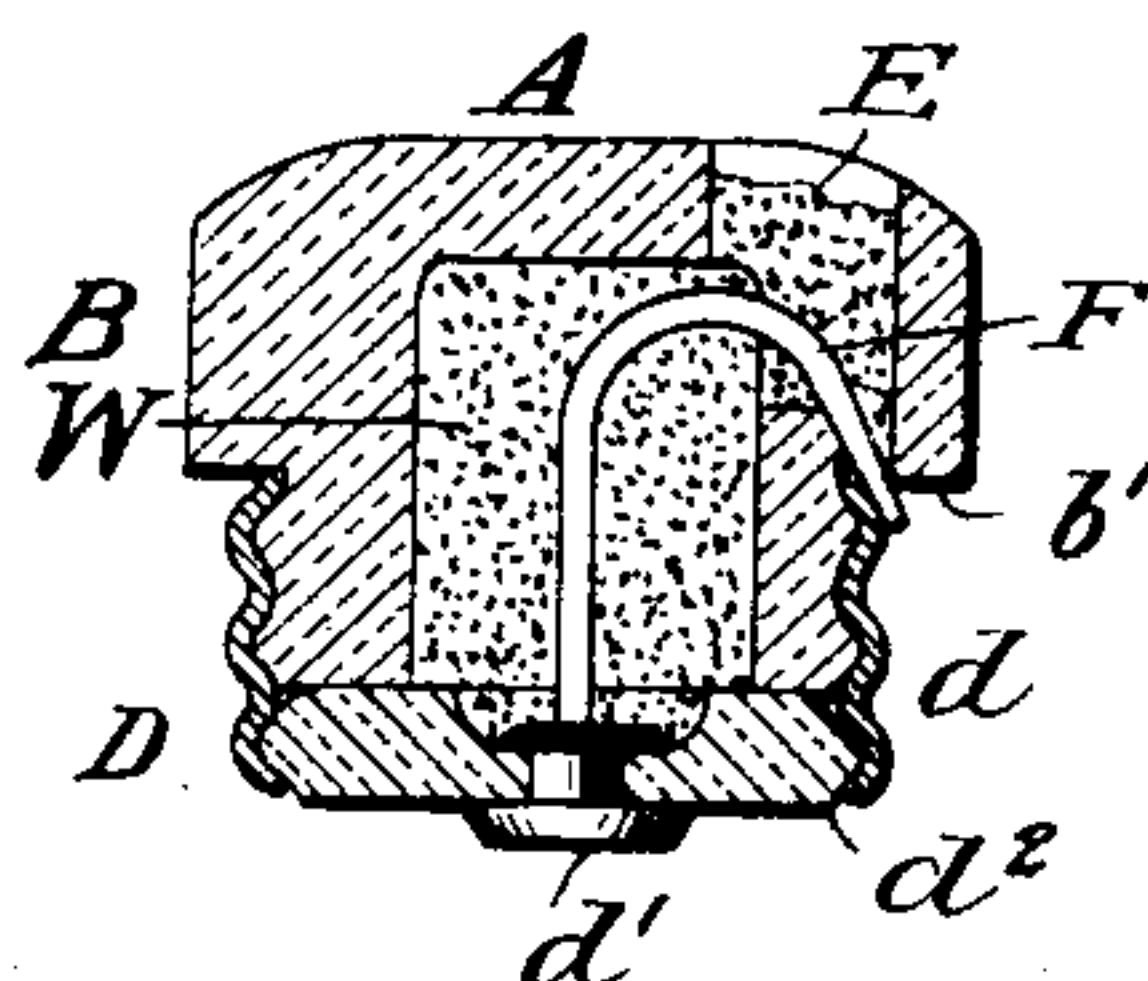


Fig. 6.



WITNESSES:

G. W. Wright
L. C. Connor

INVENTOR

CLARENCE D. PLATT

BY

Howson and Howson
HIS ATTORNEYS.

UNITED STATES PATENT OFFICE.

CLARENCE D. PLATT, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE
BRYANT ELECTRIC COMPANY, OF SAME PLACE.

FUSE-PLUG.

SPECIFICATION forming part of Letters Patent No. 684,090, dated October 8, 1901.

Application filed April 27, 1901. Serial No. 57,779. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE D. PLATT, a citizen of the United States of America, residing in Bridgeport, in the county of Fairfield, State of Connecticut, have invented an Improved Fuse-Plug, of which the following is a specification.

The object of my invention is to produce an efficient fuse-plug which can be easily and economically manufactured.

In the accompanying drawings, Figures 1 and 2 are sectional views of the two main component parts of the plug detached. Fig. 3 is a plan view, and Fig. 4 an inverted plan view, of the main insulating-body of the plug. Fig. 5 is a sectional view of the parts of the plug assembled. Fig. 6 is a similar sectional view indicating the plug as filled with refractory material to smother the fuse when it blows out.

Hollow fuse-plugs as heretofore constructed have been made cup-shaped, with their opening at the top adapted to be closed by a separate cover of metal or insulating material with or without ventilating-openings.

One of the main features of my invention lies in the formation of the top or cap in one piece with the side walls or hollow body and making the hollow plug open at the bottom, so that it may receive the standard form of lamp-base.

A is the head or cap of the hollow plug, and B is the body, with the internal cylindrical chamber C open at the bottom. The contracted lower part of the body is externally threaded at *b* below the annular shoulder *b'* to receive the standard Edison lamp-base D. (Shown in Fig. 2.) The form of lamp-base shown consists of an insulating disk or button *d*², carrying the threaded ring-terminal *d* and a central end terminal *d'*. The screwing of this terminal-carrying piece onto the threaded lower end of the plug is thus the means of closing the hollow chamber C.

In the formation of the cap and body of the plug of porcelain or glass or other suitable insulating material I provide a notch through which connection of the fuse may be made with the ring-terminal *d*, and this notch may

conveniently be made in the molding of the piece by pressing a hole E through from the top of the plug, cap, and body to a point below the shoulder *b'*, this hole opening on one side into the internal chamber C and at the other side opening to the threaded outer face below the shoulder *b'*, as shown in the drawings.

When the two-terminal piece has been screwed onto the lower part of the plug, the upper edge of the ring-terminal *d* is indented into the lower end of the hole or notch E, as shown in Fig. 5, to prevent its becoming unscrewed, and one end of the fuse F is soldered or otherwise connected to this ring-terminal at that point, while the other end of the fuse is connected to the contact *d'*, if desired. The chamber C may be filled with whiting or other suitable material to smother the fuse when it blows out, as indicated at W in Fig. 6.

I claim as my invention—

1. A fuse-plug comprising an insulating-cap and hollow body in one piece, the hollow body being threaded externally with a separable insulating-piece carrying the two terminals, one of which is a threaded ring to screw onto the hollow body.

2. A fuse-plug comprising an insulating hollow body open at the bottom and threaded externally with a separable insulating-piece carrying the two terminals, one of which is a threaded ring to screw onto the hollow body.

3. A fuse-plug, comprising a cap and hollow body in one piece open at the bottom in combination with a fuse and an insulating-disk carrying two terminals adapted to be secured to the hollow body.

4. A fuse-plug, comprising a cap and hollow body in one piece, in combination with a fuse and an insulating-disk carrying two terminals adapted to be secured to the hollow body.

5. A fuse-plug comprising a hollow body open at the bottom and threaded externally, in combination with a fuse and an insulating-disk carrying a threaded ring-terminal and a central end terminal, substantially as described.

6. A fuse-plug having a cap and hollow body formed in one piece open at the bottom and with external shoulder and having a hole extending through the top of the cap and opening into the internal chamber and to the exterior below the shoulder, all substantially as described.

7. A fuse-plug comprising a cap and hollow body of insulating material in one piece, the said body having a shoulder and contracted lower part with a separable insulating-piece carrying the two terminals, substantially as described.

8. A fuse-plug comprising an insulating hollow body open at the bottom and having an external shoulder and contracted lower portion with a separable insulating-piece carrying the two terminals, substantially as described.

rying the two terminals, substantially as described.

9. A fuse-plug comprising a cap and hollow insulating-body open at the bottom and having an external shoulder and a contracted and threaded lower portion with a separable insulating-piece carrying two terminals, one of which is a threaded ring to screw onto the threaded end of the body.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CLARENCE D. PLATT.

Witnesses:

G. A. STEVENSON,
L. F. BEARD.