

No. 815,764.

PATENTED MAR. 20, 1906.

J. C. TOURNIER.
ELECTRIC PLUG CONNECTION.
APPLICATION FILED JULY 11, 1904.

Fig. 1.

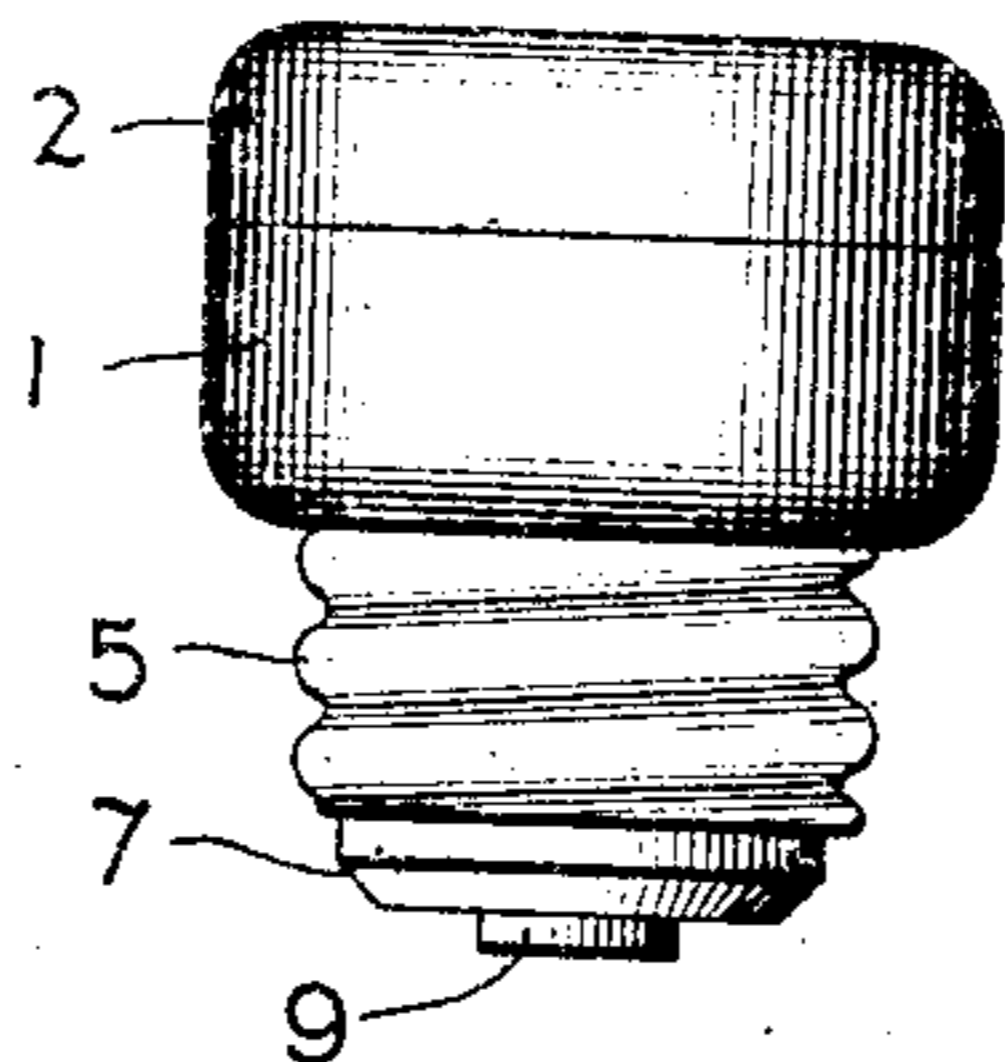


Fig. 2.

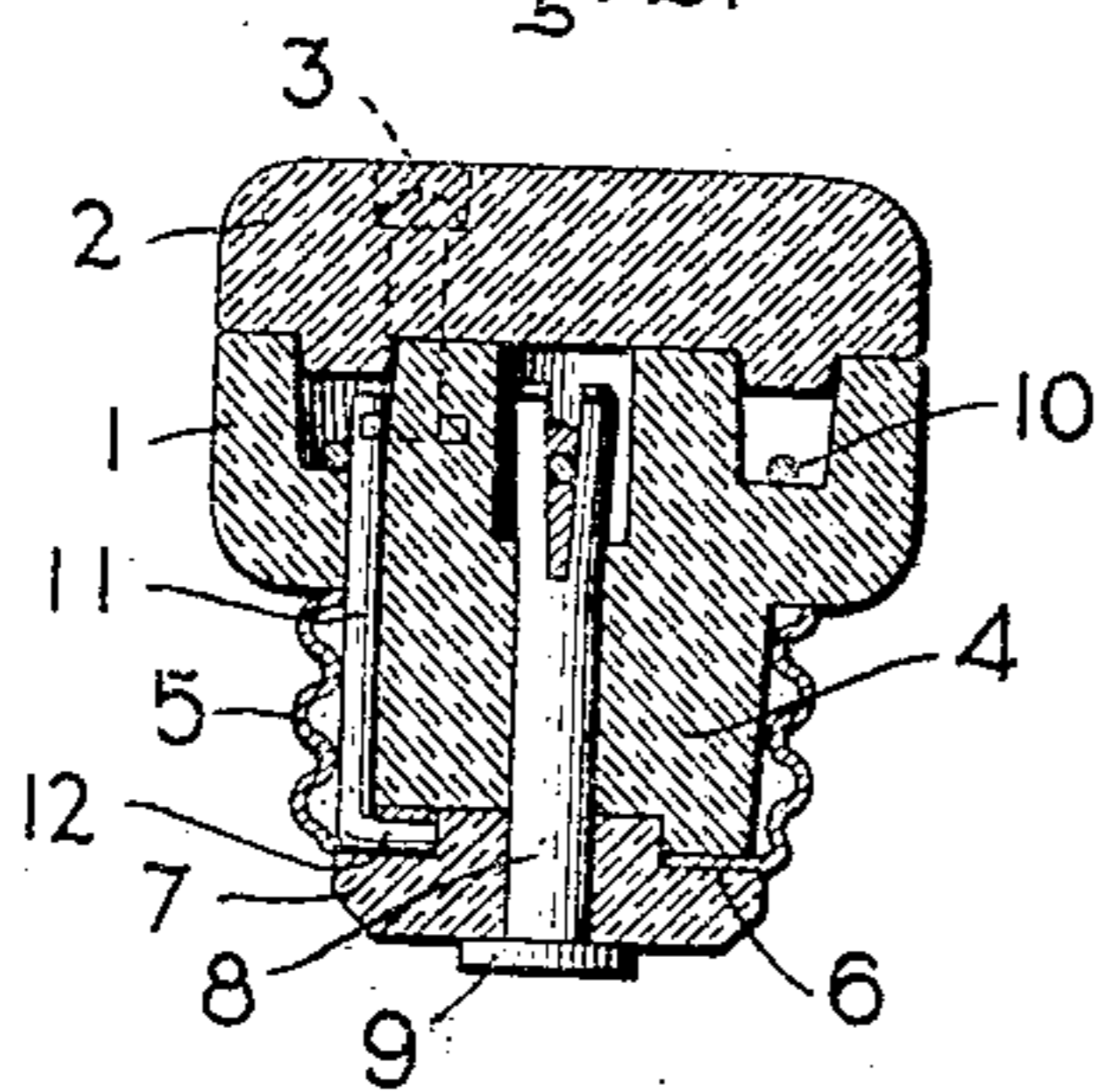


Fig. 3.

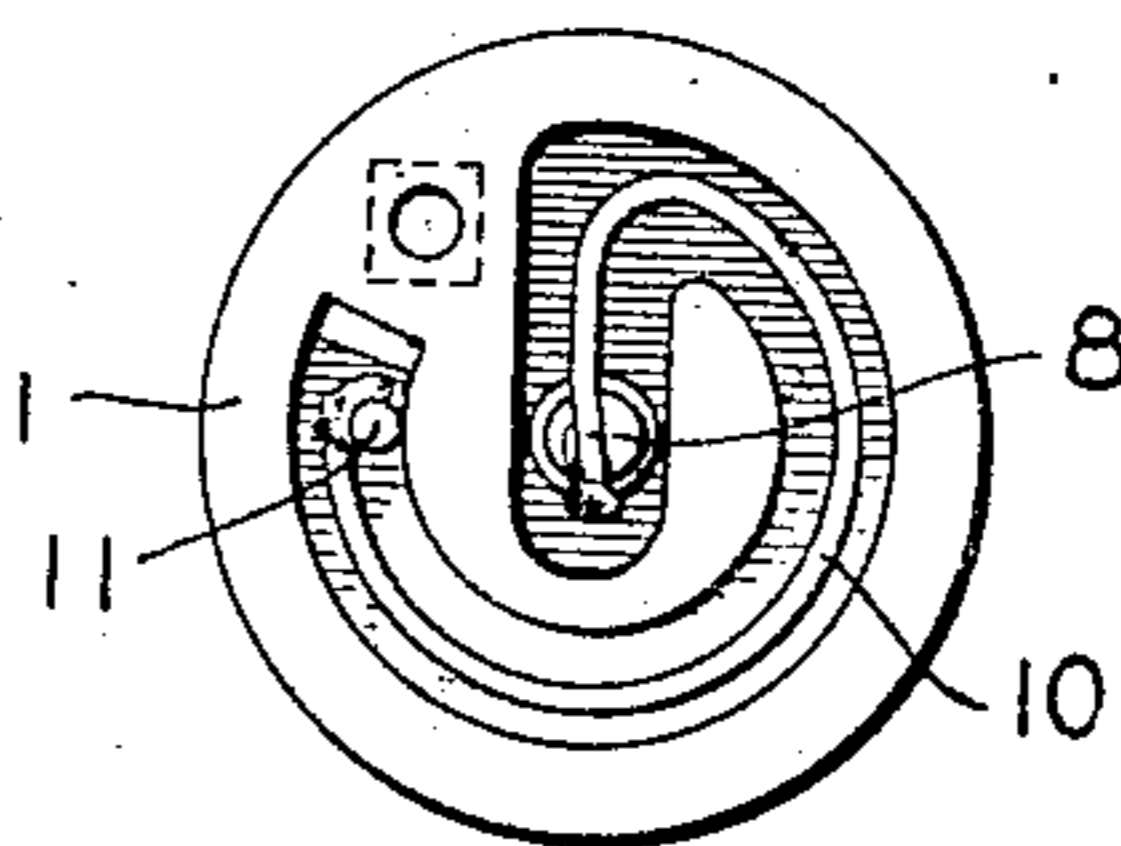


Fig. 6.

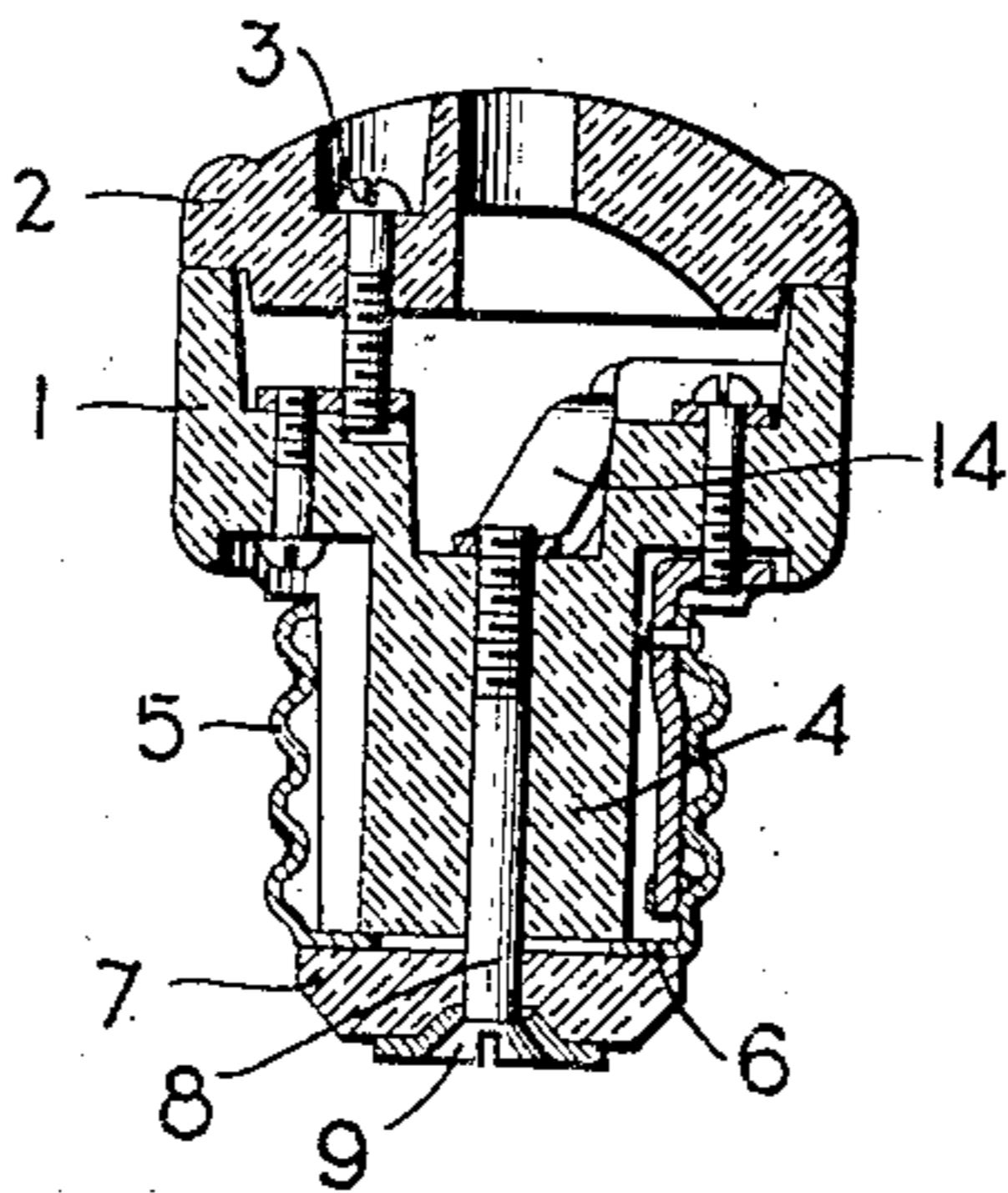


Fig. 5.

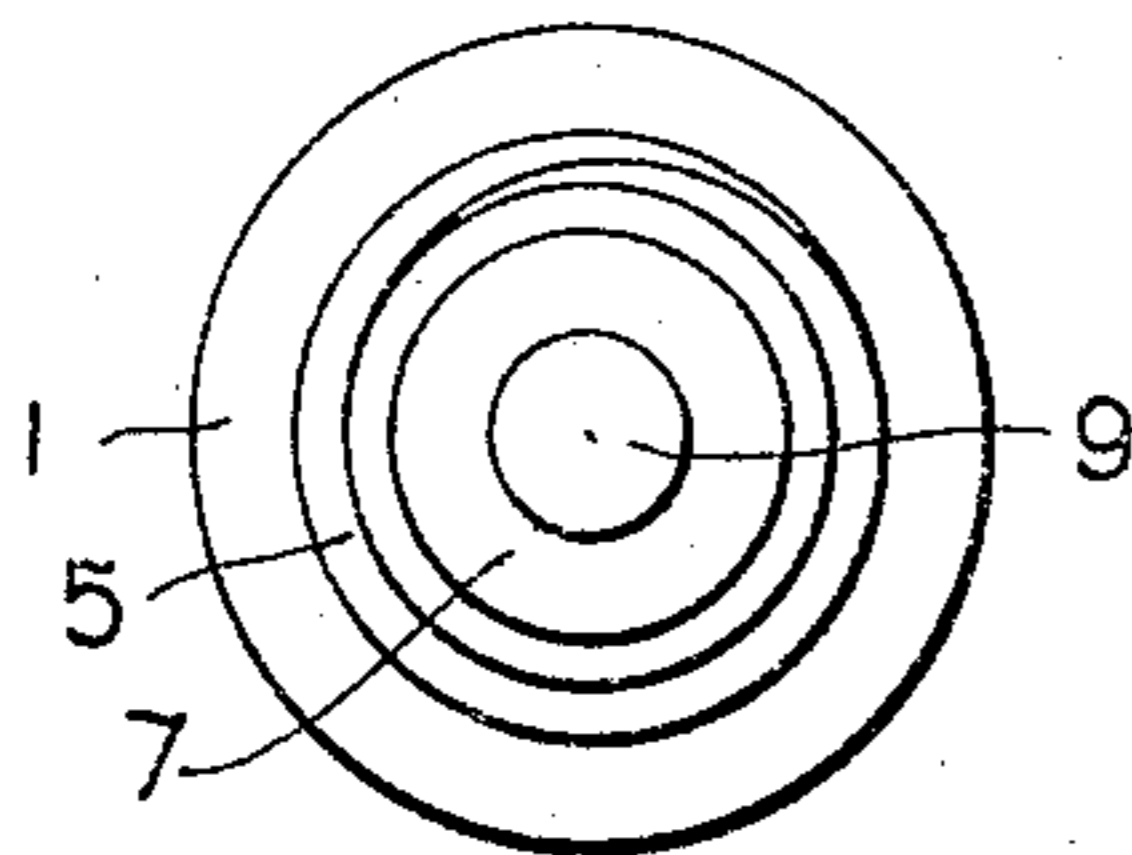
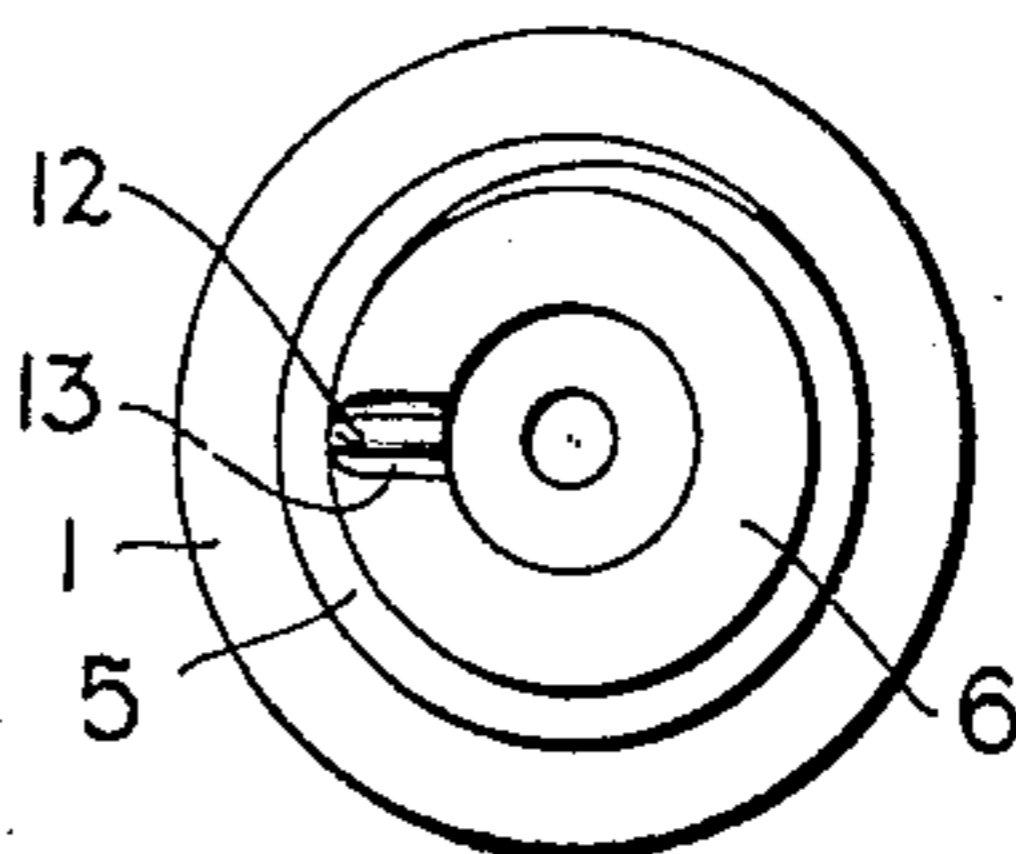


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

JULIUS C. TOURNIER, OF SCHENECTADY, NEW YORK, ASSIGNOR TO
GENERAL ELECTRIC COMPANY, A CORPORATION OF NEW YORK.

ELECTRIC PLUG CONNECTION.

No. 815,764.

Specification of Letters Patent.

Patented March 20, 1906.

Application filed July 11, 1904. Serial No. 215,999.

To all whom it may concern:

Be it known that I, JULIUS C. TOURNIER, a citizen of the United States, residing at Schenectady, county of Schenectady, State of New York, have invented certain new and useful Improvements in Electric Plug Connections, of which the following is a specification.

This invention relates to plug connections for electric circuits in which one terminal consists of a screw-threaded metallic sleeve by means of which the plug is secured in a screw-threaded socket.

The object of the invention is to provide a stronger support for said sleeve and to insulate it more effectually from the central bolt, which constitutes the other terminal.

The novel features of the invention are a washer of insulating material and an internal flange at the inner end of the sleeve which is tightly clamped between said washer and the end of the plug.

In the accompanying drawings, Figure 1 is a side elevation of a fuse-plug embodying my invention. Fig. 2 is a longitudinal central section of the same. Fig. 3 is a view of the outer end with the cap removed. Fig. 4 is a view of the inner end. Fig. 5 is a similar view with the washer and central bolt, and Fig. 6 is a central longitudinal section of an attaching-plug embodying the invention.

The body 1 and cap 2 are made of insulating material, preferably porcelain, and are fastened together by a screw 3. The body has an integral shank 4 of reduced diameter, over which is slipped the metallic screw-threaded sleeve 5, which abuts at one end against the body 1. The inner end of the sleeve has an internal flange 6, which abuts against the inner end of the shank and is held in place by a washer 7, of porcelain or the like, through which passes the bolt 8, having a head 9 supporting the washer. The bolt extends longitudinally through the shank and body of the plug, and in Figs. 1 to 5 it is split at its outer end to receive one end of a fuse 10, the outer end of which is fastened to a pin

11, which has a bent end 12 passing through the flange 6 and engaging with a depression 13 therein, being held in good electrical contact therewith by the washer. In Fig. 6 the bolt screws into a conducting-strip 14. It will be noticed that the end of the sleeve is separated from the head of the bolt by a considerable width of insulating material, so that danger from short-circuiting is lessened.

The details of construction may be somewhat varied to suit different requirements, as illustrated in the two modifications shown.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. An electric connecting-plug having a body of insulation, a metallic screw-threaded sleeve surrounding said body and having an internal flange overlapping the end of said body, and an insulating-washer smaller in diameter than said sleeve placed against the end of said body and clamping said flange thereto.

2. The combination with an insulating-body having a cylindrical end portion, of a screw-threaded metallic sleeve inclosing said end portion and having an internal flange at one end abutting against the end of said body, a washer of insulation smaller in diameter than said sleeve, and a longitudinal bolt holding said washer against said flange.

3. In an electric connecting-plug, the combination with a body of insulation, of an external metallic screw-threaded flanged sleeve forming one terminal, a central bolt forming the other terminal and having a head, and a washer of insulation smaller in diameter than said sleeve held by said head against the flange on the sleeve and clamping it against the end of the plug.

In witness whereof I have hereunto set my hand this 8th day of July, 1904.

JULIUS C. TOURNIER.

Witnesses:

BENJAMIN B. HULL,
HELEN ORFORD.