

(No Model.)

G. OTTO.

PLUG FOR MAKING ELECTRICAL CONNECTIONS.

No. 379,598.

Patented Mar. 20, 1888.

Fig. 1.

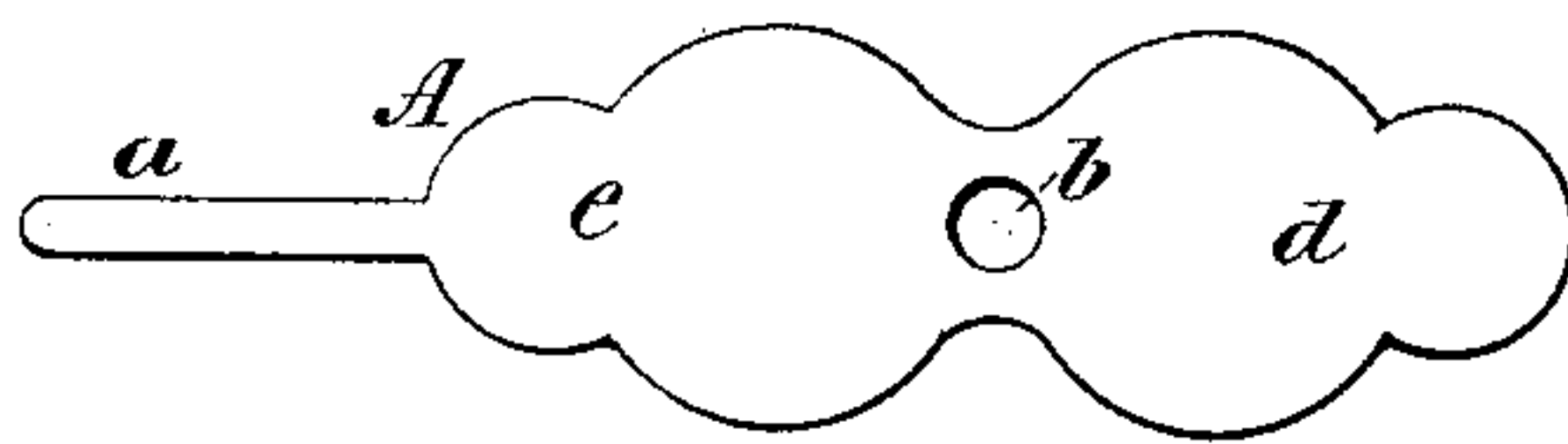


Fig. 2.

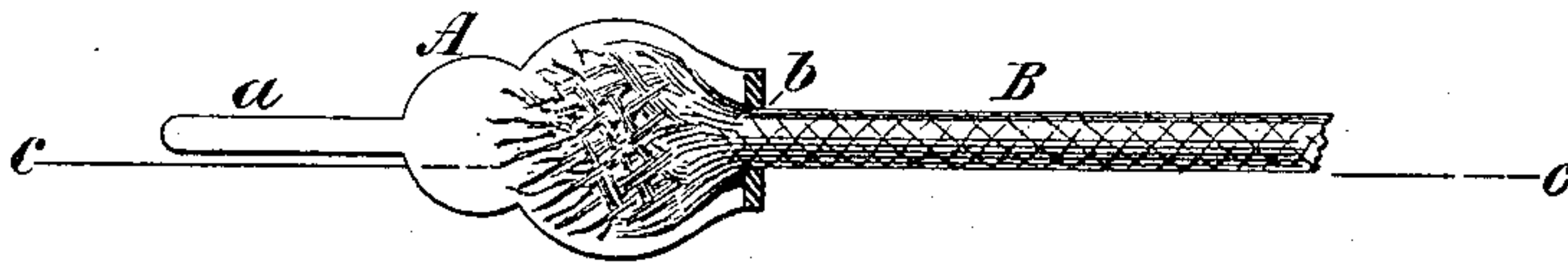
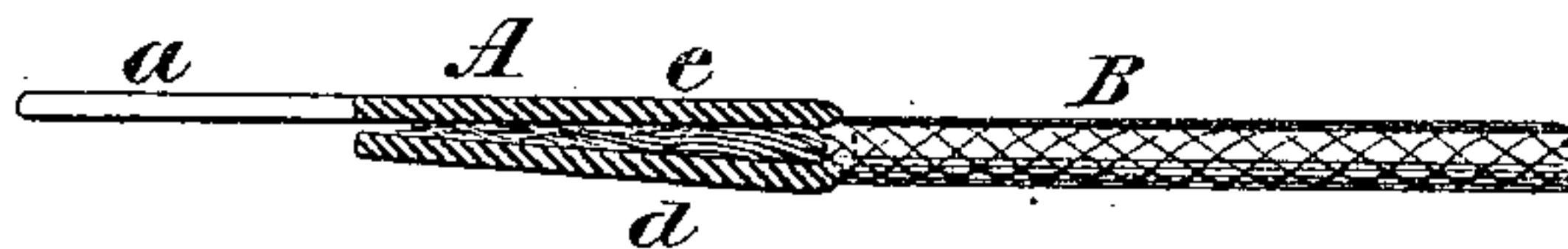


Fig. 3.



WITNESSES:

Gustave Dietrich
J. F. Bourne.

INVENTOR,

Gustav Otto
BY *Briesen & Steele*,

ATTORNEYS.

UNITED STATES PATENT OFFICE.

GUSTAV OTTO, OF JERSEY CITY, NEW JERSEY.

PLUG FOR MAKING ELECTRICAL CONNECTIONS.

SPECIFICATION forming part of Letters Patent No. 379,598, dated March 20, 1888.

Application filed November 26, 1887. Serial No. 256,224. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV OTTO, of Jersey City, Hudson county, New Jersey, have invented an Improved Plug for Making Electrical Connections, of which the following is a specification.

The object of my invention is to provide an improved plug to be carried by flexible conductors for making electrical connections.

10 The invention consists in a plate or piece of conducting metal having a narrow projecting end, and, by preference, a perforation at a distance from its end, through which a flexible conductor is adapted to be passed, in combination with said conductor. The parts of the
15 metal piece forming the plug are to be doubled over, thereby clamping between them the end of the flexible conductor, making electrical connection with said conductor between the
20 clamping-faces of the plug.

Reference is to be had to the accompanying drawings, in which Figure 1 is a face view of the plate or metal piece forming my improved plug before it is applied to the flexible conductor. Fig. 2 is a face view of one half of
25 the plug, the other half being broken away; and Fig. 3 is a longitudinal section on the line *c c*, Fig. 2, showing my improved plug in position on the end of a flexible conductor.

30 In the accompanying drawings, A represents a plate or piece of conducting metal, which may have any suitable outline. At one end the plate A is provided with a projection, *a*, which is adapted to be clamped by a binding-screw, or to be inserted in an electrical switch-
35 board to make electrical connection in suitable manner. The plate A is also by preference provided with a hole, *b*. At this point the plate A is preferably narrow, as shown in Fig. 1.

40 B is a flexible conductor, which in the drawings is represented as a piece of tinsel.

In attaching my improved plug to the flexible conductor B the end of the conductor is preferably passed through the opening *b* in the plate A. When tinsel is used, the end of the
45 conductor is frayed out, as shown in Fig. 2, to give a comparatively large contact-surface. The part *d* of the plug A is now doubled over on a line at right angles to the axis of the prong *a*, and clamped against the part *e* and
50 upon the end of the conductor, as in Fig. 3, thereby holding the plug upon the conductor and making good electrical contact therewith. When the part *d* is doubled over, the edges of the hole *b* will be pressed down upon the
55 conductor, making a firm connection therewith and preventing the plug being easily pulled off the conductor. If the hole *b* is not used, the conductor can still be clamped between the doubled parts *d* and *e* of the plate A.
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Having now described my invention, what I claim is—

1. A plug for electrical conductors, consisting of a piece of metal, A, having a projection, *a*, and an opening, *b*, for the reception of
65 the conductor, said plate being adapted to be doubled over to hold a conductor, substantially as described.

2. The combination, with the conductor B, of the plug A, having the projection *a*, opening *b*, for the reception of the conductor, and clamping part *d*, adapted to be folded over
70 upon the conductor, substantially as described.

3. The pole end or plug A, having the prong *a* and the doubled parts *d* and *e*, which are
75 folded over the conducting-wire on a line at right angles to the axis of the projecting prong *a*, substantially as herein shown and described.

GUSTAV OTTO.

Witnesses:

HARRY M. TURK,
T. F. BOURNE.