

W. J. PATNODE.
FUSE MOUNTING FOR ELECTRIC CUT-OUTS.
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937,326.

Patented Oct. 19, 1909.

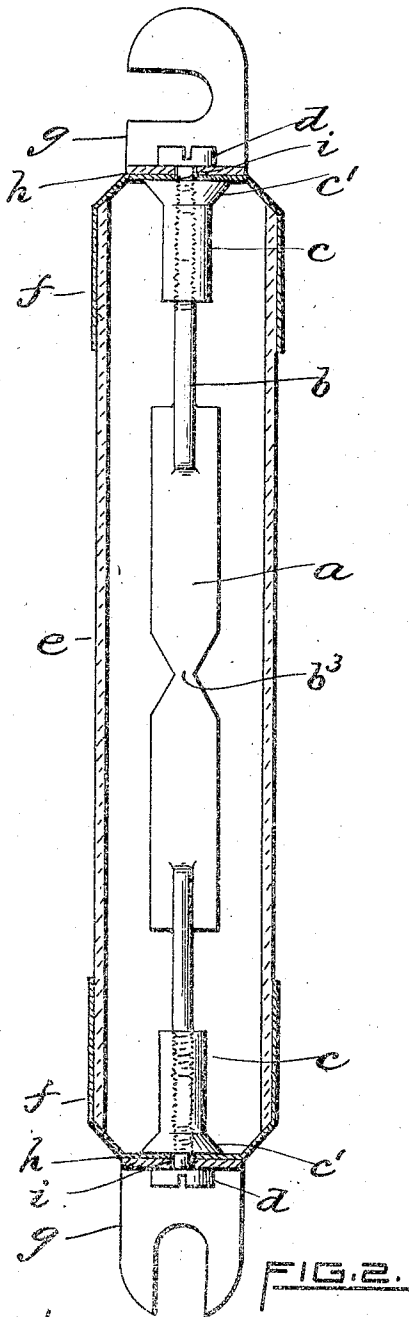


FIG. 2.

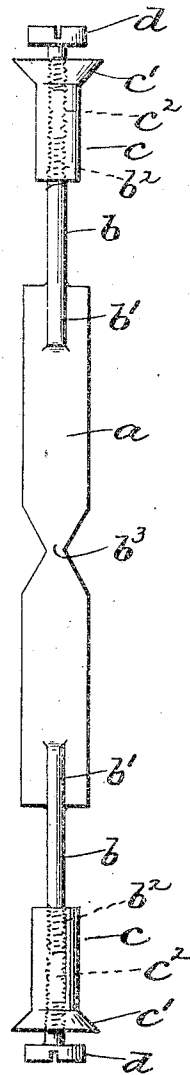


FIG. 1.

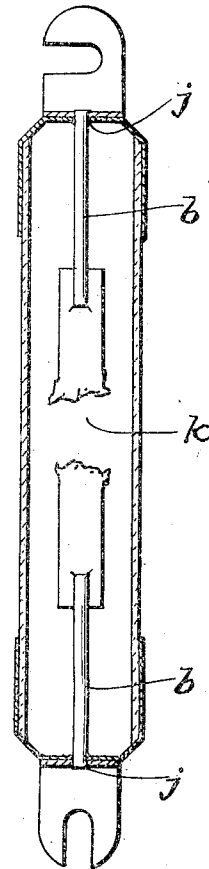


FIG. 3.

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FUSE-MOUNTING FOR ELECTRIC CUT-OUTS.

937,326.

Specification of Letters Patent.

Patented Oct. 19, 1909.

Application filed November 20, 1908. Serial No. 463,721.

To all whom it may concern:

Be it known that I, WILLIAM J. PATNODE, a citizen of the United States, residing at the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Fuse-Mountings for Electric Cut-Outs, of which the following is a specification.

The object of my invention is to produce a fuse-mounting which, when its fuse burns out, may be easily disengaged from the caps and terminal plates of an electric cut-out device, and thereby preserve said parts for the ready replacing thereon of a new fuse-mounting.

In the accompanying sheet of drawings, Figure 1 represents an elevation of my improved fuse-mounting, as constructed for application to the caps and plates of electric cut-outs. Fig. 2 is a central sectional view of the common tubular casing, caps, and terminal plates, respectively, of an electric cut-out device, showing my improved fuse-mounting applied thereto, and, Fig. 3 is a similar view showing the point where the fuse burns out in a device of this character.

Like reference characters indicate like parts.

My improved fuse-mounting, shown by Fig. 1, comprises a fuse-strip *a* of carbon, or other suitable material, having copper wires *b*, *b*, whose ends are secured by solder to the ends of said fuse-strip, as at points *b*¹, *b*¹, and the free end portions of said wires screw-threaded, as at *b*², *b*²; two metallic supports *c*, *c* each having, at one end thereof, a conical head *c*¹, and each support provided with a screw-threaded opening therethrough, as *c*², to receive the threaded portions of the wires *b*, *b*, and binding-screws *d*, *d* to enter the threaded openings of said supports.

I manufacture this improved fuse-mounting for application to the housing of an electric cut-out device, which has the common tubular casing of insulating material, as *e*, metallic caps *f*, *f* on the ends of said casing, each cap having a terminal plate, as *g*, *g*, soldered thereto, as at points *h*, *h* in Fig. 2, and each cap and integral plate perforated to provide openings, as at points *i*, *i*, to receive the binding-screws *d*, *d* for securing my improved fuse-mounting to said caps

and plates of the device, in the manner shown in said figure.

The fuse-strip is cut away at its central portion in order to leave a narrow marginal part *b*³ to burn out when the device is fused under an excess current.

To apply my improved fuse-mounting a support *c* is placed within the lower cap *f* and a screw *d* is caused to bring the head of said support in firm contact with the bottom of the latter, the casing *e* is then brought over the fuse-mounting and seated within said cap, after which the upper cap *f* is mounted upon the opposite end of said casing and forced down to rest upon the head of the upper support *c*, in order that the other screw *d* may secure the latter firmly in place, in the manner shown in Fig. 2. Therefore, it is readily understood that by use of my improved fuse-mounting, after the fuse in same burns out, by simply engaging a wire *b* with a support *c*, which is secured to the lower cap *f*, the casing *e* mounted in said cap, and the upper cap *f* mounted on the end of said casing and secured in place by the screw *d*, the device will then be in operative condition, as shown in Fig. 2.

By my construction and arrangement of parts I provide a fuse-mounting that readily accommodates itself to be applied to the cap-terminals of an electric cut-out device, whenever a fuse burns out in the latter, and at the same time a fuse structure that is simple, and inexpensive to manufacture.

Having described my improvement, what I claim, is—

1. In combination, the fuse-strip *a* having wires *b*, *b* soldered thereto and said wires provided with screw-threaded portions *b*², *b*²; the supports *c*, *c* provided each with a conical head and each support having a screw-thread therethrough to receive the threaded portions of the wires of said fuse-strip, and the binding-screws *d*, *d* to engage in the threaded opening of said supports, as shown and for the purpose specified.

2. In combination, with a tubular casing of insulating material, cap-terminals mounted on the ends of said casing and each cap-terminal provided with a screw-opening, of a fuse-mounting, consisting of a fuse-strip having wires soldered thereto and said wires having their outer ends screw-threaded; two supports having each a conical head and

each support provided with a screw-threaded
opening to engage thereby with the threaded
ends of the wires of said fuse-strip, and
binding-screws to pass through the openings
5 of said cap-terminals and enter the threaded
openings of said supports, substantially as
set forth.

In testimony whereof I affix my signature
in presence of two witnesses.

WILLIAM J. PATNODE.

Witnesses:

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ARTHUR A. THOMAS.