

No. 758,648.

PATENTED MAY 3, 1904.

J. A. HEANY.
ELECTRIC SAFETY FUSE OR CUT-OUT.

APPLICATION FILED OCT. 13, 1903.

NO MODEL.

Fig 1.

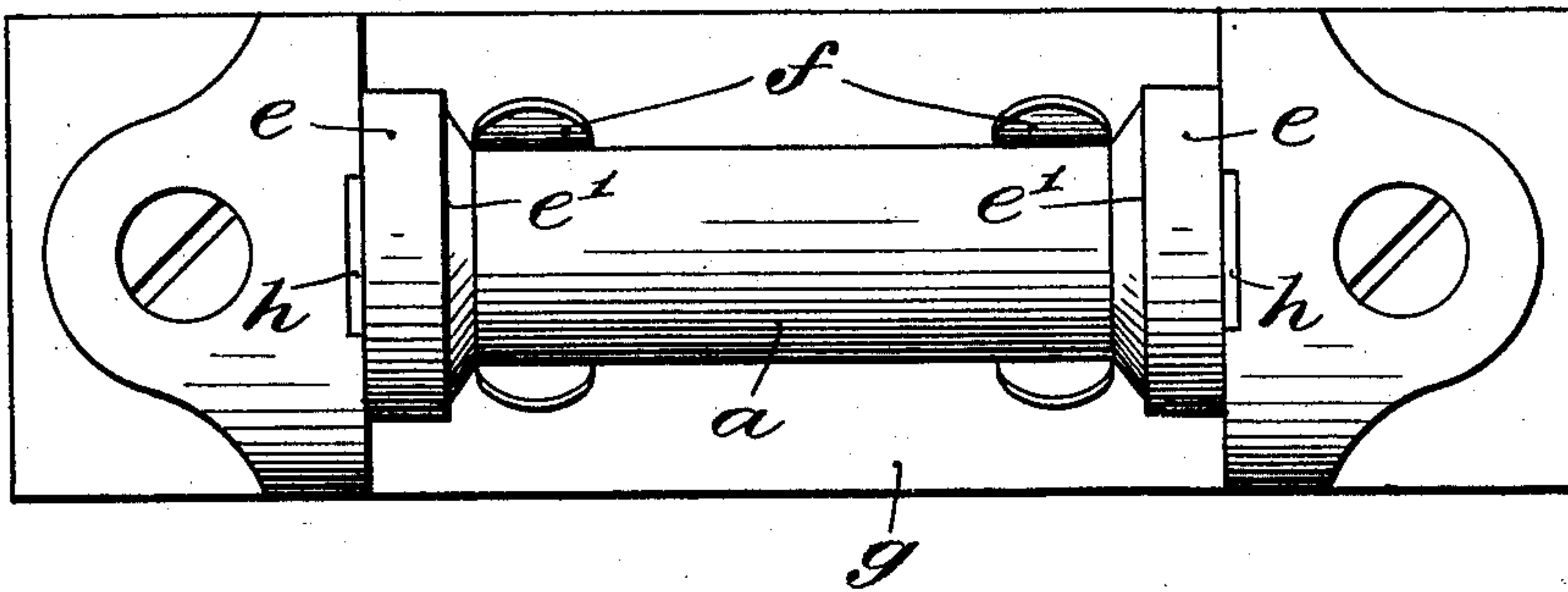
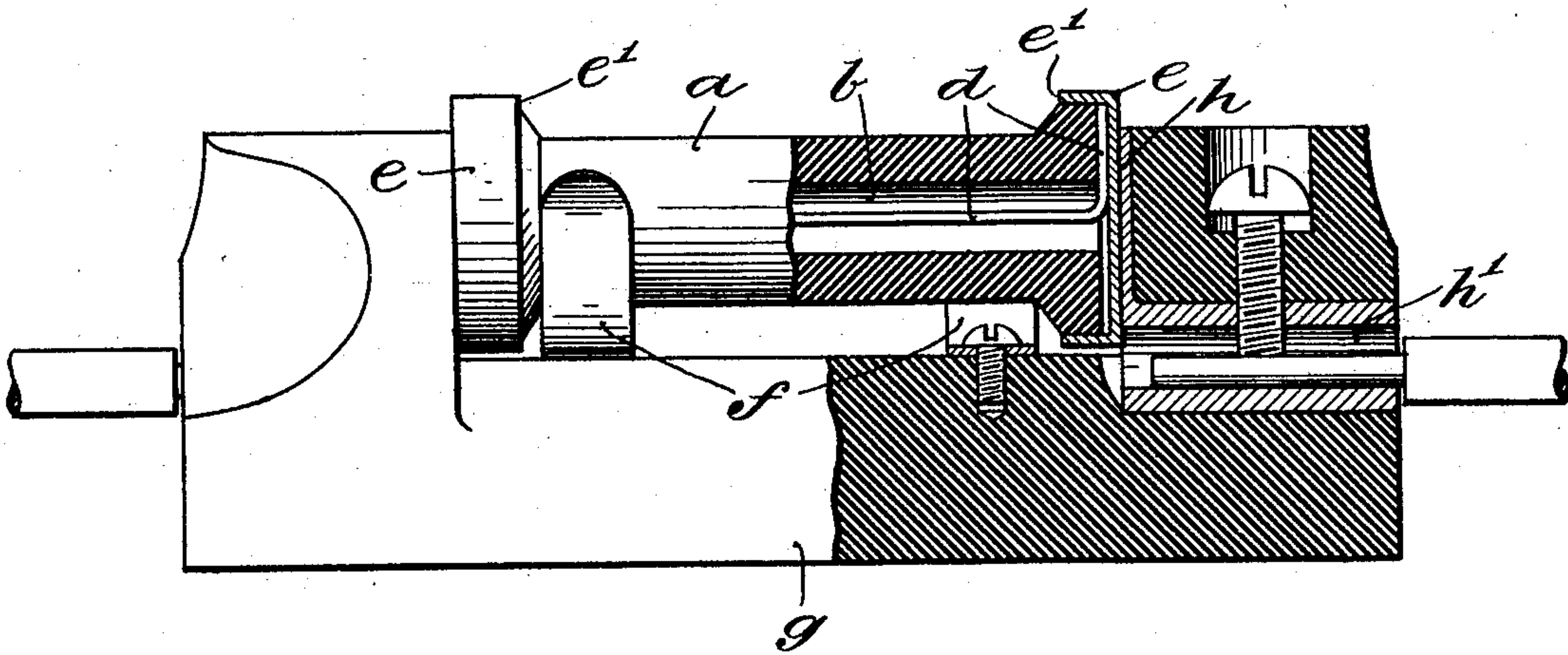


Fig 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN A. HEANY, OF YORK, PENNSYLVANIA, ASSIGNOR TO THE TETER-HEANY DEVELOPING COMPANY, OF CHARLESTON, WEST VIRGINIA, A CORPORATION OF WEST VIRGINIA.

ELECTRIC SAFETY-FUSE OR CUT-OUT.

SPECIFICATION forming part of Letters Patent No. 758,648, dated May 3, 1904.

Application filed October 13, 1903. Serial No. 176,840. (No model.)

To all whom it may concern:

Be it known that I, JOHN ALLEN HEANY, a citizen of the United States, residing at York, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in Electric Safety-Fuses or Cut-Outs, of which the following is a specification.

My invention has relation to a safety-fuse or cut-out of the inclosed type; and in such connection it relates to the construction and arrangement of such a fuse or cut-out.

The principal object of my invention is to provide a fuse or cut-out consisting of a spool of dielectric material having a longitudinal bore for the reception of the fuse-wire and end caps arranged to form a closure for the bore of the spool, said caps adapted when advanced upon the ends of the spool to first cut off the superfluous parts of the fuse-wire and thereafter clamp the ends of the wire to the spool, in conjunction with a fuse-block of dielectric material having metallic plates forming the terminals for the current, said plates arranged to clamp the caps upon the spool when the fuse enters the fuse-block.

The nature and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a top or plan view of the fuse or cut-out and the block carrying the terminal plates embodying main features of my invention; and Fig. 2 is a view, partly in side elevation and partly in longitudinal section, of Fig. 1.

Referring to the drawings, *a* represents a spool of dielectric material having a longitudinal bore *b* for the reception of the fuse-wire

d. On each end of the spool *a* is adapted to be slipped a metallic cap *e*, having on its periphery a shearing edge *e'*. The caps *e* when advanced on the spool *a* to form a closure for the bore *b* first shear or cut off the superfluous parts of the fuse-wire *d* and thereafter clamp the ends of said fuse-wire *d* to the spool *a*. The body of the spool *a* is supported in spring-clips *f*, projecting from the base of a fuse-block *g*, of dielectric material. In the ends of the block *g* are arranged metallic plates *h*, forming continuations for the terminals *h'* of the current. These plates *h* serve to clamp the caps *e* on the spool *a* when the fuse is inserted in the fuse-block *g*.

Having thus described the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

A safety-fuse or cut-out, comprising a spool of dielectric material having a longitudinal bore for the reception of a fuse-wire, and metallic caps arranged to form a closure for the bore of the spool, said caps adapted when advanced upon the spool to first shear off the fuse-wire and then clamp the ends of the fuse-wire to the spool, in combination with a fuse-block of dielectric material having metallic plates forming a continuation for the terminals of the current, said plates arranged to clamp the caps to the spool when the fuse is inserted in the block.

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses.

JOHN A. HEANY.

Witnesses:

J. WALTER DOUGLASS,
THOMAS M. SMITH.