

No. 768,487.

PATENTED AUG. 23, 1904.

E. L. SIMONS.
FUSE LINK.

APPLICATION FILED SEPT. 11, 1903.

NO MODEL.

Fig. 1.

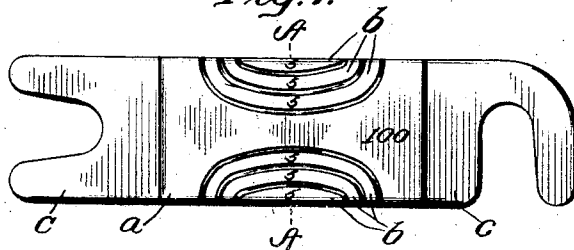


Fig. 2.



Fig. 3.

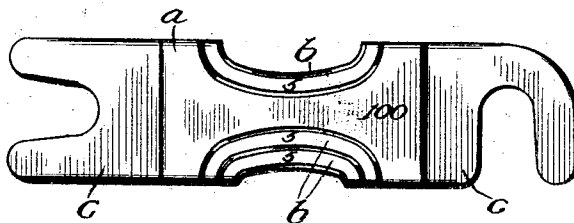
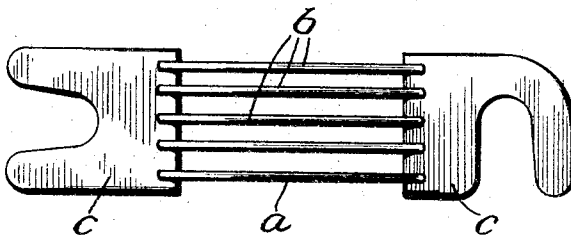


Fig. 4.



WITNESSES:

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FUSE-LINK.

SPECIFICATION forming part of Letters Patent No. 768,487, dated August 23, 1904.

Application filed September 11, 1903. Serial No. 172,831. (No model.)

To all whom it may concern:

Be it known that I, EDWARD L. SIMONS, a citizen of the United States, and a resident of Aldan, Delaware county, Pennsylvania, have
5 invented certain new and useful Improvements in Fuse-Links, of which the following is a specification.

My invention relates to improvements in fuse-links; and the object of my invention is
10 to furnish a fuse-link which can be accurately mutilated so as to adapt it for use with currents of widely-varying amperage.

In the accompanying drawings, forming part of this specification, and in which similar
15 letters of reference indicate similar parts throughout the several views, Figure 1 is a plan of a fuse-link of my construction; Fig. 2, a section of Fig. 1; Fig. 3, a plan of the link partly mutilated; Fig. 4, a plan of a modification of my link.

The fusible part *a* of the link is made of any suitable fusible metal and in its entirety is adapted to carry a current of not more than a given number of amperes—for illustration, say
25 one hundred. The link is divided off in divisions *b*, representing each a given number of amperes—say five; but it is not essential that each division be of the same size, as each might represent a different number of amperes. The several divisions may be indicated on a flat fuse by printed or struck-out lines, as shown in Figs. 1, 2, and 3, or each
30 may be formed by a separate wire or strip secured to terminals *c*, as shown in Fig. 4.

35 If the fuse in its entirety will pass a current

of not more than one hundred amperes, it may be made to pass not more than ninety amperes by removing from it sections or strips *b* representing a carrying capacity of ten amperes, and its carrying capacity may be further reduced by removing other sections or strips *b* as may be necessary. The sections or strips *b* are preferably marked with the number of amperes that each will carry, so that the operator will have no difficulty in cutting
40 the fuse to the desired length.

The form of fuse-link above described is particularly useful for a working electrician, who may have use for fuses of several sizes. At present it is necessary to carry a number
50 of fuses of different sizes in order to be prepared for currents of varying amperage. My fuse may be cut to different sizes with the greatest accuracy, and an electrician equipped with it would be prepared with fuses for wires
55 carrying a wide range of amperage.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. As a new article of manufacture, a fuse-link constructed from a flat piece of metal the
60 surface of which is divided by imperforate lines into sections each of which will carry a current of a known amperage.

2. A fuse-link with indentations dividing it into sections each of which will carry a current of a known amperage.

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Witnesses:

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