(No Model.)

M. C. WALLS.

ELECTRICAL FUSE LINK.

No. 497,844. Patented May 23, 1893.

Fig. 1.

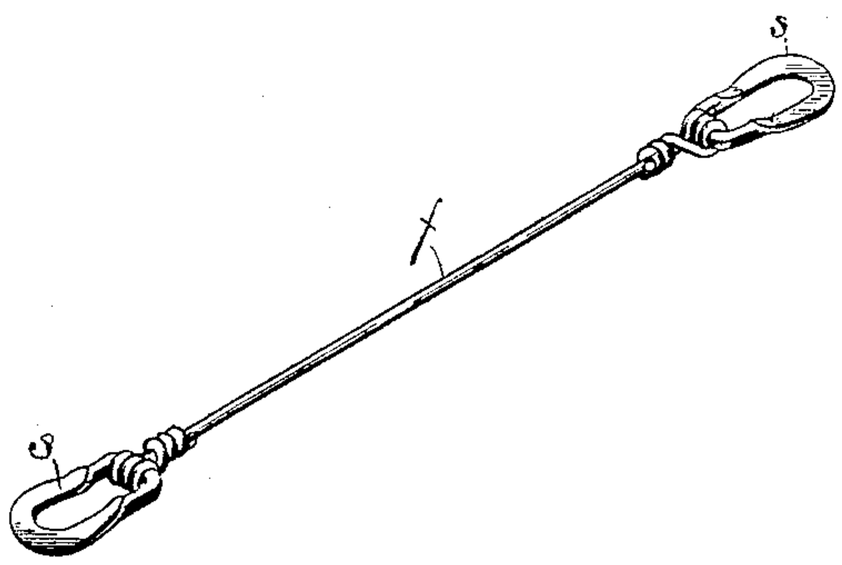


Fig. 2.

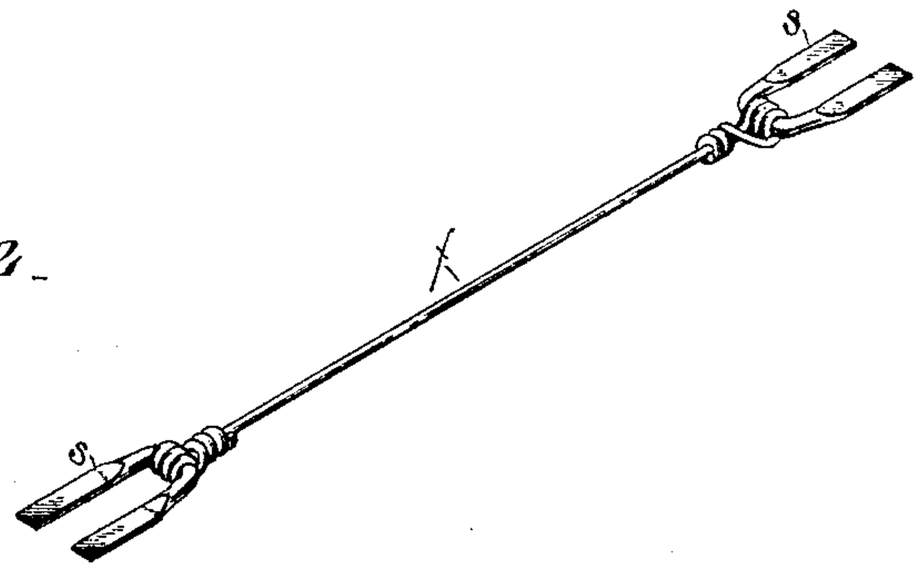
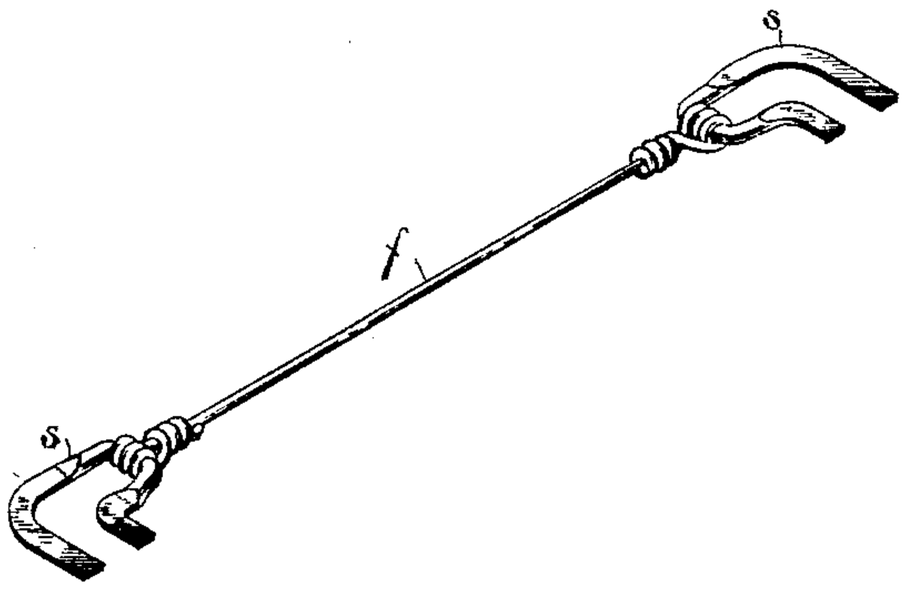


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MARION C. WALLS, OF PLYMOUTH, INDIANA.

ELECTRICAL FUSE-LINK.

SPECIFICATION forming part of Letters Patent No. 497,844, dated May 23, 1893.

Application filed March 2, 1893. Serial No. 464,343. (No model.)

To all whom it may concern:

Be it known that I, MARION C. WALLS, a citizen of the United States, residing at Plymouth, in the county of Marshall, in the State of Indiana, have invented certain new and useful Improvements in Electrical Fuse-Links; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My present invention is of an improved electrical fuse link of which—

Figures 1, 2 and 3 represent the ordinary fuse with three different forms of staples.

The link consists of two staples of copper wire *s s*, joined by a suitable length of fusible wire *f* fastened firmly to the staples by winding its ends around and within them, to which may be added a touch of solder to prevent the possibility of slipping in the convolutions of the winding. Three forms of staple are shown in the drawings, but other forms may be used instead to adapt them to special situations. The copper wire is flattened at the extremity of the staple so as to present a broad contact surface to the binding screw.

The advantages of this form of fuse link are, among others, economy of copper, cheapness of construction, strength, and convenience in use. The copper wire costs less than the rolled copper usually employed; the winding of the fusible wire around the copper staple not only gives a good electrical contact, but makes a stronger joint than the usual soldered union; and the wire staple can be bent with the fingers to fit it snugly on any binding screw or other contact desired, as a copper plate can not.

I claim—

1. An electrical fuse link consisting of two staples of copper wire joined by a fusible wire fastened to them by winding its ends upon and within them, substantially as shown.

2. An electrical fuse link containing in combination two copper wire staples flattened at their extremities and a fusible wire joining and fastened to said staples by winding it upon and within them, substantially as shown.

3. An electrical fuse link consisting of two staples of copper wire flattened at their extremities and joined by a fusible wire fastened to them by winding its ends upon and within them, and soldering the convolutions, substantially as shown.

In testimony whereof I do hereunto subscribe my name, in the presence of two witnesses, this 16th day of February, 1893.

MARION C. WALLS.

Witnesses:
JOHN C. JILSON,
FERD EICH.