

R. C. COLE,
OPEN LINK FUSE CARRIER,
APPLICATION FILED AUG. 3, 1912.

1,040,151.

Patented Oct. 1, 1912.

Fig. 1

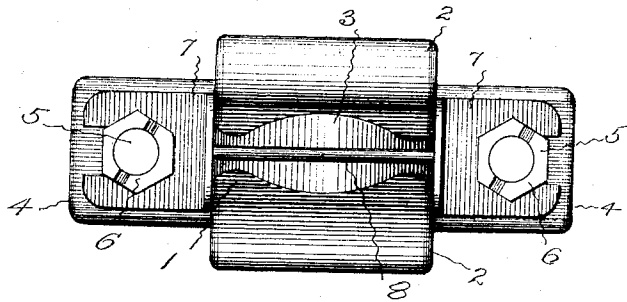


Fig. 2

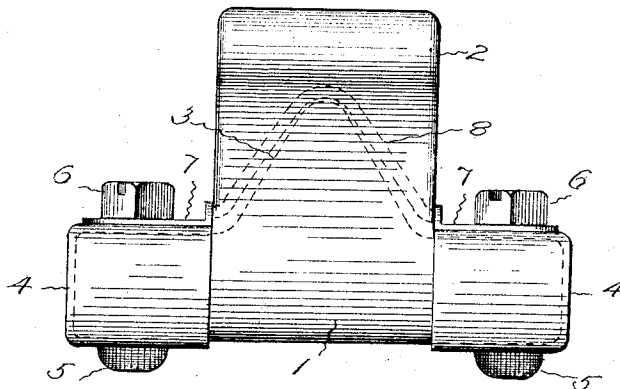
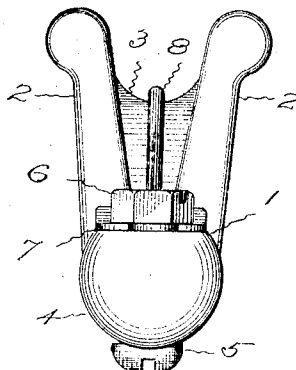


Fig. 3



Witnesses:

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UNITED STATES PATENT OFFICE.

ROBERT C. COLE, OF HARTFORD, CONNECTICUT, ASSIGNOR TO THE JOHNS-PRATT COMPANY, OF HARTFORD, CONNECTICUT, A CORPORATION OF CONNECTICUT.

OPEN-LINK-FUSE CARRIER.

1,040,151.

Specification of Letters Patent.

Patented Oct. 1, 1912.

Application filed August 3, 1912. Serial No. 713,030.

To all whom it may concern:

Be it known that I, ROBERT C. COLE, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented a new and useful Improvement in Open-Link-Fuse Carriers, of which the following is a specification.

It is frequently desired to connect the spring clips which are commonly provided for receiving inclosed electric fuses of the cartridge type, with an open link fuse.

This invention relates to a device, adapted to carry an open link fuse, that can be inserted into the spring clips provided for an inclosed fuse.

The object of the present invention is to produce a very simple and cheap device which can be easily and quickly provided with an open link fuse and can be readily snapped into spring clips arranged for the commonly employed cartridge fuse. This object is attained by making an insulating body of approximately the shape of a cartridge fuse, with conducting terminals that are adapted to engage the spring clips in the usual way, and arranging means whereby these terminals can be quickly connected by the common fuse link, the insulating body having a barrier between the terminals for separating them and for increasing the length of the fuse path, and also having means whereby the device can be easily manipulated and the fingers protected from contact with conducting parts.

Figure 1 of the accompanying drawings shows a plan of an open link fuse carrier of this character which embodies the invention. Fig. 2 shows a side elevation of the same; and Fig. 3 shows an end elevation.

The body 1 is substantially cylindrical and of approximately the length and diameter of the common inclosed cartridge fuse of the type for which the device is designed to be substituted. This body is preferably made of porcelain, although it may be made of other insulating material. Integral with the body and extending outwardly there-

from are wings 2 which form means for conveniently handling the body in such a way that the fingers are not likely to come in contact with any conducting part when the device is applied to or withdrawn from a live circuit. Integral with the body and wings and extending between the latter is a transverse barrier 3. This barrier strengthens the wings and also lengthens the insulating path between the ends of the body.

On each end of the insulating cylindrical body is a metal cap 4. A screw bolt 5 extends through each cap and the body, and on each screw bolt is a clamp nut 6. The upper surfaces of the body between the edges of the wings and the ends are desirably flattened, and the ferrules are correspondingly shaped. This provides flat surfaces for the forked ends 7 of the fuse link, which are clamped to the conducting terminal caps by the nuts on the screws. The fusible member 8 of the link which extends from one fork to the other, passes over the barrier between the wings.

A common open fuse link can be readily clamped to the terminals and then the device can be snapped into the usual spring clips employed for holding cartridge fuses. These devices are particularly adapted to be used in connection with such a fuse block as is set forth in Patent No. 1,032,188, granted July 9, 1912, in place of the inclosed cartridge fuses shown and described therein.

The invention claimed is:

1. An open link fuse carrier having a cylindrical body of insulating material with integral projecting wings and integral barrier between the wings, conducting terminals encircling the ends of the bodies, and means for clamping the ends of a fuse link to said terminals.

2. An open link fuse carrier having a cylindrical body of insulating material with integral wings projecting therefrom and an insulating barrier between the wings, conducting terminals surrounding the ends of

the body, means for clamping the ends of a fuse link to the terminals, and an open fusible link connecting said terminals.

3. The combination of an insulating body
5 provided with an integral transversely extending barrier and means for manipulating the body, conducting terminals surrounding the ends of the body, means for

clamping the ends of a fuse link to said terminals, and a fuse link clamped to said terminals. 10

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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."