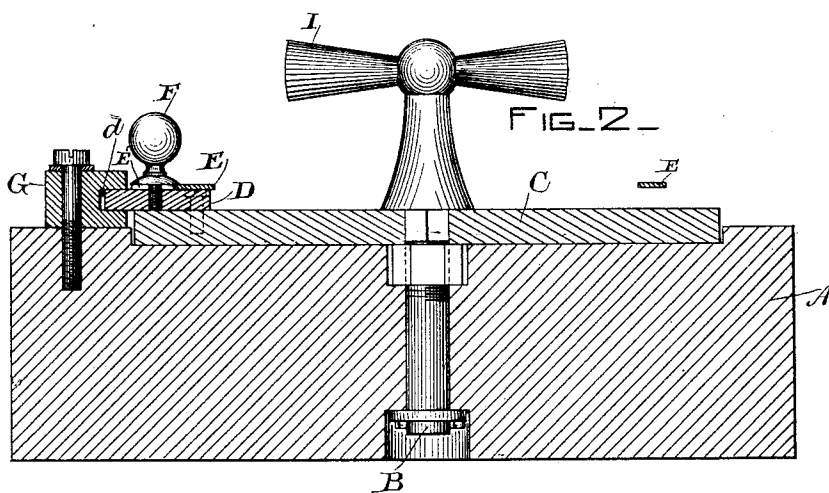
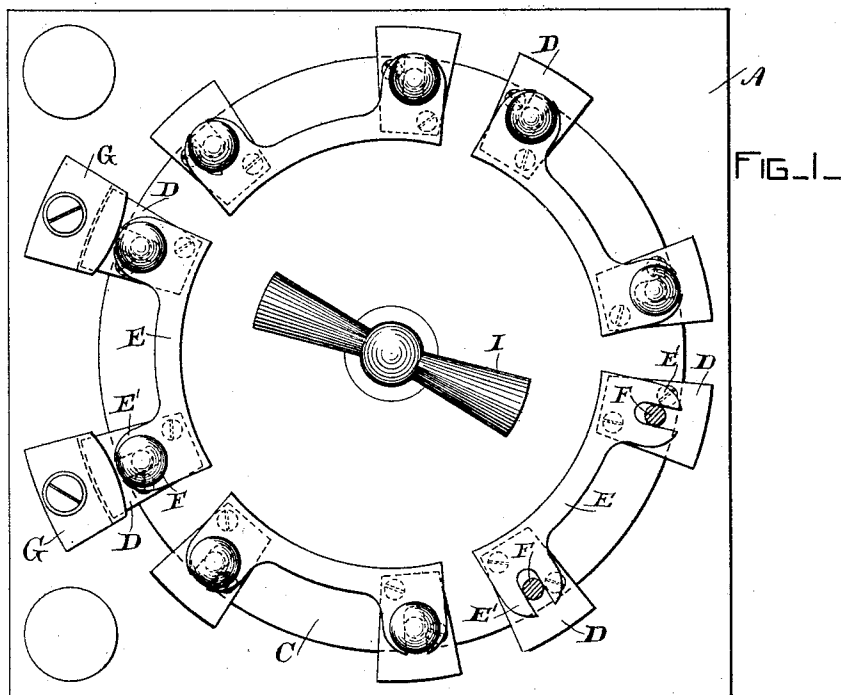


(No Model.)

G. K. WHEELER.
MULTIPLE FUSE CUT-OUT.

No. 463,764.

Patented Nov. 24, 1891.



WITNESSES:

W. H. Tumbly.

INVENTOR:

George K. Wheeler
by *Bentley Knight*
ATTYS.

UNITED STATES PATENT OFFICE.

GEORGE K. WHEELER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE THOMSON-HOUSTON ELECTRIC COMPANY, OF CONNECTICUT.

MULTIPLE-FUSE CUT-OUT.

SPECIFICATION forming part of Letters Patent No. 463,764, dated November 24, 1891.

Application filed November 26, 1890. Serial No. 372,701. (No model.)

To all whom it may concern:

Be it known that I, GEORGE K. WHEELER, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented a certain new and useful Improvement in Multiple-Fuse Cut-Outs, of which the following is a specification.

My present invention relates to an improved form of multiple-fuse cut-outs; and it aims to provide a simple, compact structure, easily and cheaply manufactured, by which a number of fuses may be successively inserted into the electric circuit which requires protection, so that when one fuse is ruptured another may be quickly introduced to take its place and the ruptured one may be removed without danger of shock to the attendant. These improvements are illustrated in the accompanying drawings, wherein—
Figure 1 is a plan view, and Fig. 2 a sectional view, taken through one of the circuit-terminals.

In the views, A is a base-piece, which represents simply a means of attachment for the cut-out. Pivoted to this block upon a spindle B is a disk of insulating material C—such as hard rubber, glass, or porcelain—which serves as a support for the fuses. Around the edge of the disk are set a number of contact-pieces D, suitably secured thereto, which project a short distance beyond the circumference of the disk, as is seen in Fig. 2. The fuses, of which any desired number may be used, are seen at E and have jaws E', by which they are secured to the contacts by set-screws F.

The circuit-terminals G are secured to the base-piece A or other support and are arranged in the arc of a circle concentric with the spindle B, so that as the disk is turned the different contact-pieces D are successively brought into engagement with them. These terminals are shown in Fig. 2 grooved or cut away, as at d, to receive the projecting ends

of the contact-pieces and insure a good electrical connection.

A suitable handle I is provided upon the disk, and, as will be readily understood, whenever one fuse is ruptured it can be moved away from the circuit-terminals and the next one made to take its place by simply rotating the disk. The ends of the ruptured fuse can then be removed without danger to the attendant, and a new one can be attached at his leisure without interruption of the circuit which the fuse protects.

In designing the fuse described above I have had more particularly in mind its application to railway service; but it will be found equally advantageous upon other classes of work. I therefore do not limit myself in this respect.

What I claim as new, and desire to secure by Letters Patent, is—

1. A multiple-fuse cut-out comprising a pivoted rotary disk of insulating material, contacts arranged around the edge of the disk on one of the flat faces thereof, fuses attached to said contacts, and a pair of circuit-terminals making connection with the contacts in pairs as the disk is rotated.

2. The combination, in a multiple-fuse cut-out, of the pivoted rotary disk of insulating material, separate sets of contacts arranged around on the edge of one of the flat faces of the disk, fuses arranged around said disk in circular form and secured to the contacts, and circuit-terminals in the path of travel of the contacts, whereby the fuses may be inserted in circuit successively by rotating the disk, as set forth.

In witness whereof I have hereto set my hand this 7th day of November, 1890.

GEORGE K. WHEELER.

Witnesses:

F. J. WILLSON,
H. J. SINCLAIR.