

(No Model.)

C. E. BARRY.
ROSETTE CUT-OUT.

No. 493,884.

Patented Mar. 21, 1893.

Fig. 1.

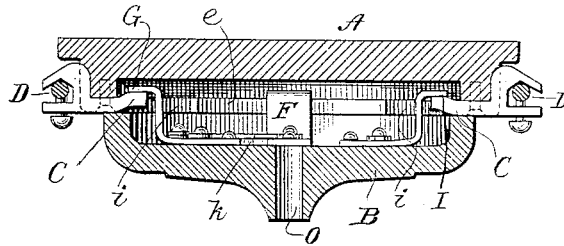


Fig. 2.

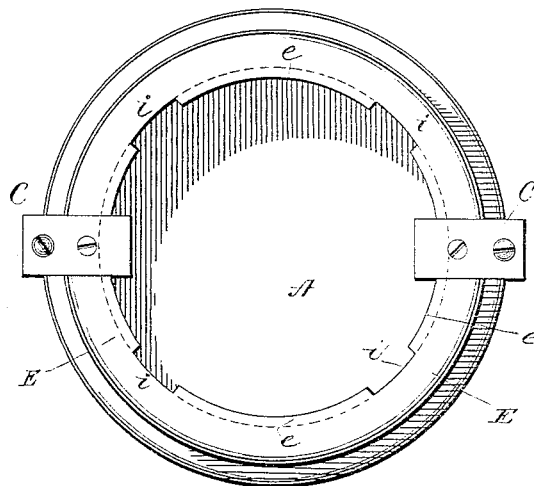
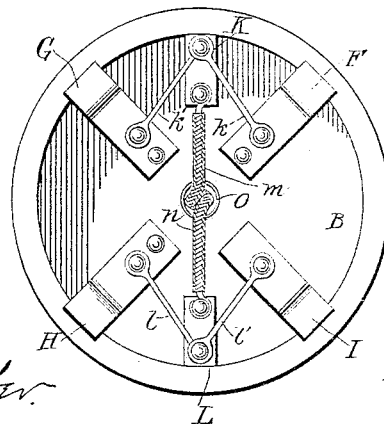


Fig. 3.



WITNESSES:

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ROSETTE CUT-OUT.

SPECIFICATION forming part of Letters Patent No. 493,884, dated March 21, 1893.

Application filed August 16, 1892. Serial No. 443,231. (No model.)

To all whom it may concern:

Be it known that I, CHARLES EDWARD BARRY, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Rosette Cut-Outs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to rosette cut-outs, and it consists essentially in providing such cut-outs with extra sets of fuses, so that the cut-outs will not be rendered useless by the blowing of the original set. My design is to put upon the market rosette cut-outs containing my invention, and I desire to patent a cut-out of this class as a new article of manufacture. So far as I am aware, no such article of manufacture has heretofore been made, although it possesses manifest advantages, which it is unnecessary to describe.

It should be understood that by the phrase "set of fuses" I mean that particular pair of fuses which is in circuit at any given time, or is adapted to be in circuit. It is customary to employ a single such pair or set, one on each side of the circuit; but I purpose employing two or more pairs or sets of fuses in a manner to be indicated hereinafter.

I have shown, and shall describe, only two sets of fuses but I do not wish to limit myself to a second set alone, as I may wish to use three, or more, sets, as may be found desirable.

My invention will be readily understood by referring to the accompanying drawings, in which,

Figure 1, is a vertical section of a rosette cut-out, such as I have invented. Fig. 2, is a plan of the base, and Fig. 3, a plan view of the cap which forms a part of my cut-out.

Referring to the drawings by letter, A, is the base of my rosette cut-out, and B, is a cap, co-operating with the base, both of which parts carry suitable contacts co-operating with each other. The cap or cover, B, and the base, A, are of porcelain, or other good insulating material. On the base are the usual contact plates, C, C, to which the line wires, D, D, are

attached in the manner clearly shown in Fig. 1. The interior of the base is hollowed out, as shown, leaving a rim, E, around the hollow interior. This rim projects over so as to form flanges, *e, e, e, e*, for a purpose to be described hereinafter. Or, the flanges, *e, e, e, e*, may be regarded as a single flange notched or cut away at *i, i, i, i*, and also under the contact plates, C, C, as will be plain from Fig. 1. The notched flange *e* and the spring contacts F, G, H, I, constitute a bayonet joint for holding the cover to the base.

On the cap or cover, B, are four contact pieces, F, G, H, I, of which F, and H, form one pair and G, I, another. At K, and L, are shown two brass strips, the former of which is connected by fuses, *k, k'*, to the contact pieces, F, and G, respectively, and the latter of which is connected by fuses, *l, l'*, with the contact pieces, H, and I, respectively. The same brass strips, K, and L, are the terminals to which the lamp wires, M, and N, are attached. The said lamp wires pass through an aperture, O, in the cover, B, in a manner well understood. Now, the contact pieces on the cover are so arranged in position as to correspond to the location of the notches, *i, i, i, i*, on the base, A. In applying the cover to the base, the said contact pieces are brought into line with the said notches, and the cover is pushed in, and turned, either to the right or to the left. The contact pieces, during this operation, catch under the flanges, *e, e, e, e*, and prevent the cover from falling off. When they are turned far enough to bring either pair of contact pieces into line with the contact pieces, C, C, on the base, A, there is a complete circuit from the line wire on one side, through the apparatus and the lamp wires to the line wire on the other side, provided only, that the lamp circuit is itself closed. Assuming that the contact pieces, F, and H, are those which have come into co-operation with the contacts, C, C, we shall have a circuit from C, on one side, to contact piece, F, fuse, *k*, brass strip, K, lamp wire, M, and back by lamp wire, N, to brass strip, L, fuse, *l*, and contact piece, H, and line wire on the other side. Suppose, now, that either the fuse, *k*, or the fuse, *l*, or both, should blow. It will only be necessary to give the

cover a quarter revolution, whereupon the contact pieces, G, and I, will be brought into contact with C, C, and a new circuit will be formed, including the fuses, *k'*, *l'*, in place of *k*, *l*.

It will be seen that the contact pieces, C, C, make contact with the corresponding pieces on the cover as the latter are moved along. I prefer to have this a spring and wiping contact, and I have to this end made the contact pieces, F, G, H, and I, in the form of springs. I also prefer to make the inner ends of the contact pieces, C, C, extend inward slightly farther than the inner edges of the flanges, *e*, *e*, *e*, *e*.

I desire to have it understood that in the claims which follow I intend to cover the use of any number of sets of fuses more than one.

Having now described my invention, what I claim is—

1. In a rosette cut-out, the combination of a base having a pair of contacts, a cap or cover having a notched flange constituting, in connection with the contacts, a bayonet joint, by which the cover is secured to the base, and several pairs of contacts located in said cap and provided with fuses connected to the lamp wires and adapted to be brought successively into circuit, substantially as described.

2. In a rosette cut-out, the combination of a base having a single pair of contact points

C, C, and an annular interior notched flange *e*, a cap or cover having several pairs of contacts F, G, H, I, adapted to fit the notches *i* in the flange *e* and to pass under the same, whereby the cap and base may be readily secured together, substantially as described.

3. In a rosette cut-out, the combination of a base having a single pair of contact points C C and an annular interior notched flange *e*, a cap or cover having several pairs of spring contacts F, G, H, I, adapted to fit the notches *i* in the flange *e* and to pass under the same, terminals K, L, to which the lamp wires are respectively attached, and fusible connections between the terminals K and L and the adjacent pairs of contacts, whereby when one pair of fuses becomes blown or burned out another pair may be brought into the circuit by simply giving the cap a partial turn and bringing another pair of contacts on the cap into electrical connection with the contacts C, C, substantially as described.

In testimony whereof I have signed my name, in the presence of two witnesses, this 3d day of August, A. D. 1892.

CHARLES EDWARD BARRY.

Witnesses:

ELLA A. CLARKE,
R. W. LORD.