R. C. COLE.

FUSE BLOCK CONTACT POST.

APPLICATION FILED MAY 16, 1911.

1,014,950.

Patented Jan. 16, 1912

Fig. 1.

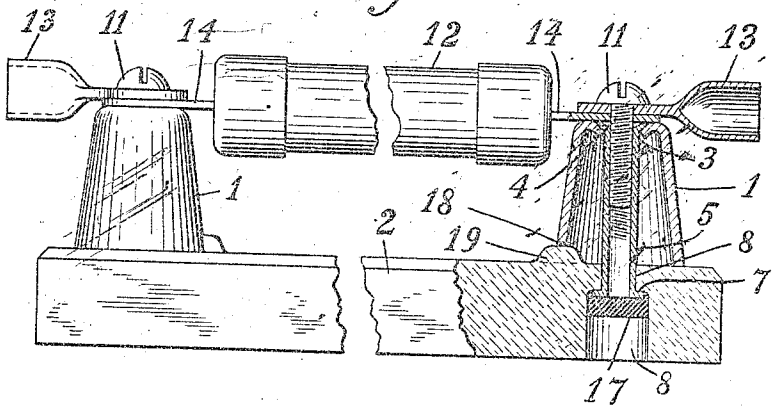


Fig. 2

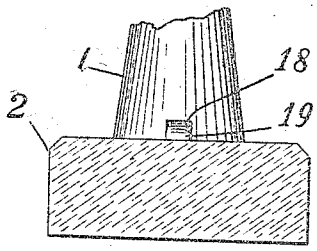
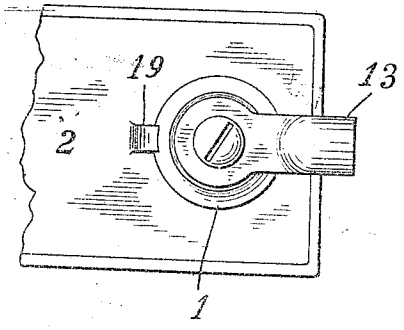


Fig. 3.



WITNESSES:

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

FUSE-BLOCK CONTACT-POST.

1,014,950. Specification of Letters Patent. Patented Jan. 16, 1912.

Application filed May 16, 1911. Serial No. 627,517.

To all whom it may concern:

Be it known that I, ROBERT C. COLE, a citizen of the United States, residing at West Hartford, county of Hartford, and State of Connecticut, have invented the following described Improvements in Fuse-Block Contact-Posts.

The invention relates to fuse blocks of the type in which the fuse is supported on posts rising from a base-block, and especially to an improved construction of the posts and of the attachments of the posts to the block and to the fuse and line terminals.

The object of the invention is to provide a fuse block post which shall have a minimum of material in its structure, and be simple and inexpensive to manufacture, but which may nevertheless be strong and durable, easily and securely attachable to the base, and of such construction as to offer ample and firm contact between the fuse and line terminals; the whole being of few and simple parts, readily assembled, and of ornamental exterior appearance.

The objects of the invention will more fully appear by reference to the accompanying drawings in which:

Figure 1 is a side elevation view of an assembled fuse block embodying the invention, the fuse and line terminals being shown connected to the block, and one end of the block being shown in cross section on the axis of the post. Fig. 2 is a detail view showing a means for locking the post against rotation on the base; and Fig. 3 a plan of one of the posts.

The hollow posts 1, stamped or otherwise formed from flat sheet metal blanks in the form of inverted cups with flaring walls, rise from the base 2 at or near the ends of the latter. At their open lower ends each post is seated by its edge directly upon the base block and its upper end is closed except for a hole 3 centrally disposed in the top wall 4.

An eyelet or similar hollow tubular member 5 is passed through the hole 3 and through a corresponding hole 8 in the porcelain base block, and is provided with a head at both ends whereby it serves to secure the post firmly in place. The headed lower end rests against a shoulder 7 formed by the countersink of the hole 8 in the base block and is preferably covered with a plug of shellac, 17. The head at the upper end of the tubular member may rest directly upon the top wall of the post and can be formed by upsetting or spinning or in any other way which will bind the post with some pressure, to the porcelain base, the finish preferably being such as to form a flat top surface on the post when the attachment is complete. To this end the top wall 4 of the post is preferably dished to form a concavity to receive the head of the securing member, as shown in the drawings, and such head is, as a matter of preference, formed by spinning the eyelet over upon the top wall, as thereby a certain degree of resilient pressure can be exerted on the hollow post which will hold the same to the vitreous base with greater firmness than a screw and nut and with less danger of fracture at the shoulder 7.

Each tubular member 5 is internally threaded to receive the binding screws 11 by which the flat terminals 14 of the fuse 12 and line terminals 13 are clamped together and upon the posts. Both the fuse and the line terminals are held by the screws in direct contact with each other on the posts and the arrangement, it will be seen, permits the line terminals to be clamped in proper electrical connection at any desired angle with respect to the fuse 12. It will also be noted that each eyelet secures the binding screw as well as the post directly to the base, and that so far as the functions of the eyelets are concerned they may be tubular in whole or in part and that they may be employed with or without washers, as preferred. Either the base or the post is provided with a recess which accommodates a tongue or lug formed on the other, to prevent the loosening of the attachment between eyelet and post, or dislodgment of the shellac 17, by the turning of the post upon the base. In the case shown in the drawings the recess 18 is in the lower edge of the post, and the lug 19 is formed on the base, but other forms of non-rotative bearings for the post will manifestly suffice for the same purpose.

Within the scope of the invention the structure described above may be variously modified, in respect of the number and the location of the eyelets and, in certain forms of the invention, the means for securing the hollow sheet metal posts to the base may be distinct from the means for securing the

line terminals to the post; and may otherwise differ considerably in appearance and arrangement from the form hereinbefore specifically described.

Claims.

1. In a fuse block, a base, a hollow sheet metal post rising from the base and secured thereto, the post having a central tubular portion or member threaded to receive the binding screw.

2. In a fuse block, an insulating base, a hollow post stamped from sheet metal rising from the base, and a tubular member which serves to secure the post to the base and which is internally threaded, and a binding screw engaging said member.

3. In a fuse block, a base, a hollow sheet metal post rising from the base and secured thereto, an internally threaded eyelet, and a screw coöperating with the eyelet for securing a terminal to the post.

4. In a fuse block, a porcelain or vitreous base, a hollow post stamped from sheet metal and rising from the base, and an upset eyelet securing the post to the base.

5. In a fuse block a porcelain or vitreous base block, a hollow post stamped up from a sheet metal blank and having interlocking engagement with said base, and an upset eyelet securing said post to the base.

6. In a fuse block, a base, a hollow sheet metal post rising from the base, a member for securing the post to the base, and a member in threaded engagement with the post-securing member for clamping a terminal to the post.

7. In a fuse block, a base, and a hollow sheet metal post rising from the base, one of said members having a lug projecting therefrom and the other of said members being recessed to receive said lug to prevent rotation of the post on the base.

8. In a fuse block, a base, two hollow sheet metal posts spaced apart on the base and adapted to support a fuse between the same, and each post having an interior tubular member and a binding screw threaded in said member for securing a fuse terminal to the post.

In testimony whereof, I have signed this specification in the presence of two witnesses.

ROBERT C. COLE.

Witnesses:
HAZEL G. BRAINARD,
DUNCAN C. HOOKER.