S. H. LANYON.

INSULATING SUPPORT.

APPLICATION FILED OCT. 11, 1917.

1,324,559. Patented Dec. 9, 1919.

FIG. 1

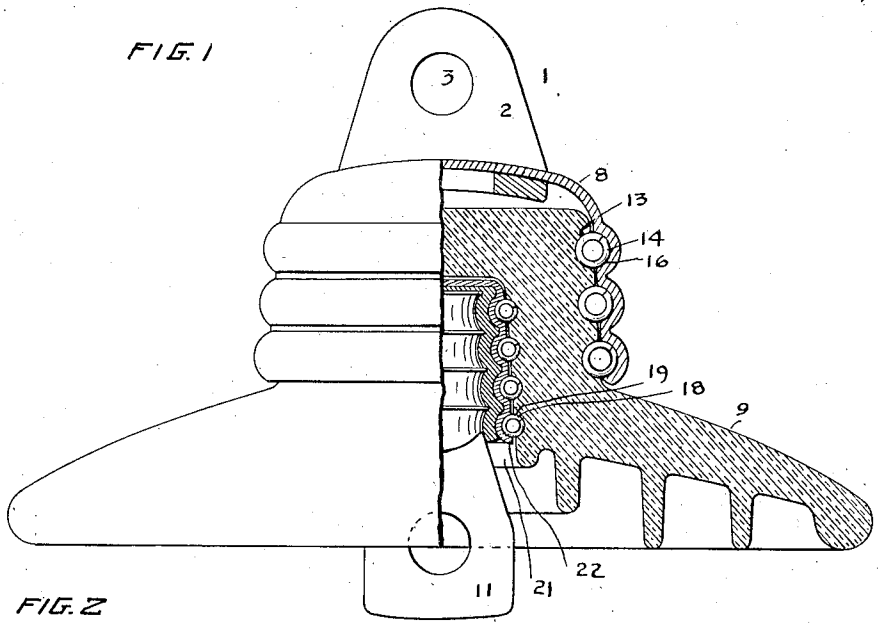


FIG. 2

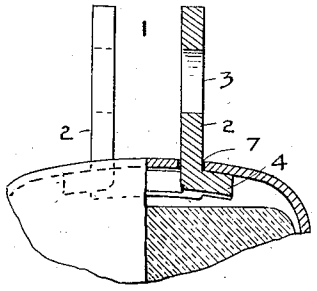


FIG. 3

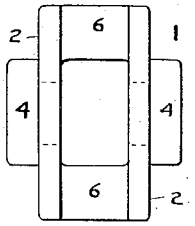


FIG. 4

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INSULATING-SUPPORT.

1,324,559. Specification of Letters Patent. Patented Dec. 9, 1919.

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To all whom it may concern:

Be it known that I, SAMUEL HERBERT LANYON, a subject of the King of Great Britain, residing at Oakland, in the county of Alameda and State of California, have invented new and useful Improvements in Insulating-Supports, of which the following is a specification.

The present invention relates to improvements in insulator supports for electrical conductors.

One object of the invention is to provide a support of this character which will preserve its efficiency for a longer period than heretofore.

Another object is to provide such a support the parts of which can be conveniently assembled.

In the accompanying drawing, Figure 1 is a broken side view of one form of my improved insulator support; Fig. 2 is a detail broken side view of a hanger, viewed in a direction at right angles to that in Fig. 1; Fig. 3 is a detail plan view of the hanger; Fig. 4 is a view similar to Fig. 1 of a modified form of the invention.

Referring to the drawing, 1 indicates a hanger for the support, made in a separate piece therefrom, and comprising two parallel vertically extending plate-like portions 2, having therethrough registering apertures 3, and flanges 4, 6, extending horizontally from their lower ends in directions at right angles with each other. The plate-like portions 2 are inserted through slots 7 formed in the top of a metal cap 8 which is secured, by means hereinafter described, to a porcelain shell 9, within which is secured an eye-pin 11.

As one means of securing the cap to the shell there are formed on the outside of, and around, the shell suitably spaced circular grooves 13, here shown as three in number, and in said grooves are placed coils 14 of spring wire entirely surrounding the shell. Grooves 16 are formed in the inside of the cap by spinning the latter, so that it fits closely around the shell and the coils of wire.

In the same way the pin 11 is secured to the shell by means of circular coils 18 of spring wire contained in grooves 19 in the wall of a cavity 21, a thimble 22 being spun so as to fit snugly against the coils 18 of wire, and the pin 11 being secured to said thimble 22 by solder or other suitable means.

In Fig. 4 I have illustrated the shell 9′ as made without any external grooves, and the cap 8′ is secured to the shell by means of cement 23 firmly adhering to the lower portion of the shell. In this figure I have also illustrated the pin 11′ as secured to the shell by being screwed into a threaded downward extension 24 from a thimble 22′ secured to the shell in like manner as the thimble 22. After being so screwed into said thimble, the pin 11′ is permanently retained in place by swaging inwardly the lower edge of the thimble 22′.

I claim:—

1. In combination with a cap, of an insulator support, having a pair of parallel slots therethrough, a hanger having plate-like portions extending upwardly through said slots and having registering apertures, said hanger having flanges extending outwardly and engaging the under side of the cap to support the same.

2. The method of making an insulator support having an insulating shell formed with a circumferential groove, a coil of wire in said groove, and a metal portion, which consists in forming a groove in the metal portion by pressure so as to surround the coil of wire in the first-named groove and connect the metal portion with the insulating shell.

SAMUEL HERBERT LANYON.