L. E. HENDEE.

SUPPORT FOR LINE CONDUCTORS.

APPLICATION FILED FEB. 8, 1919.

1,339,391.

Patented May 11, 1920.

FIG. 1.

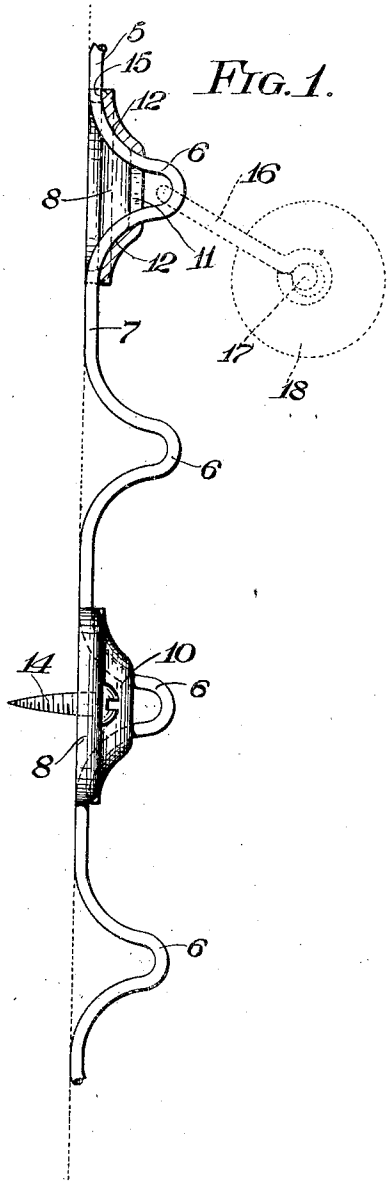


FIG. 2.

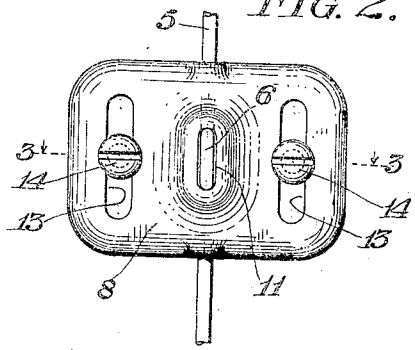


FIG. 3.

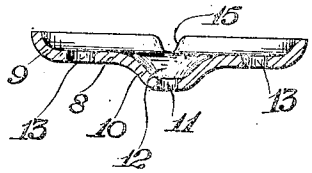
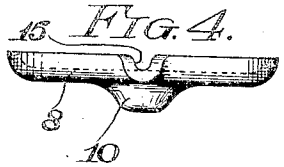


FIG. 4.



WITNESSES

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SUPPORT FOR LINE CONDUCTORS.

1,339,391. Specification of Letters Patent. Patented May 11, 1920.

Application filed February 3, 1919. Serial No. 275,752.

To all whom it may concern:

Be it known that I, LEM E. HENDEE, a citizen of the United States, and resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Supports for Line Conductors, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

The invention relates to supports for line conductors. It is usual in devices of this kind to make up a special support for different systems of wiring and for different numbers of conductors necessitating a large supply of different kinds of supports to be kept on hand and involving labor and expense in handling them. It is the object of this invention to overcome this difficulty and greatly simplify the problem of manufacturing and supplying these supports by using a member embodying in itself a plurality of insulator or conductor attaching elements and standard base elements for securing the units to a support.

The invention further consists in the several features hereinafter set forth and more particularly defined by the claims at the conclusion hereof.

In the drawings:

Figure 1 is a side view of the device embodying the invention, parts being shown in section;

Fig. 2 is a front view of one of the units;

Fig. 3 is a section taken on the line 3—3 of Fig. 2, parts being omitted; and,

Fig. 4 is an end view of one of the base plates.

A member 5 consists in itself of a number of unit attaching elements and is here shown as formed of heavy wire in which the unit attaching elements are arches 6 connected together by portions 7. These members 5 are supplied to the user in long lengths so that he may cut off as many units as he desires at a time, either separately or in a series to suit the requirements of the work.

To secure one or a series of these attaching elements in place, a base member 8 is provided for use in conjunction with the attaching element or elements. Each base member consists of a pressed metal plate having arched edges 9, and a central boss 10 having a slot 11 therein, the sides 12 of said boss curving outwardly and downwardly from the ends of said slot. The plate is also provided with spaced slots 13 for receiving screws 14 with which to secure it to a support and with notches 15 in line with slot 11.

The base member 8 is designed to fit over a portion of the wire 5 so that the upper end of one of the arches 6 projects through the slot 11, the lower portions of the arch engage the sides 12 and portions of the wire pass through the notches 15, the wire being clamped to the base by the fastening of the base member to a support. The arches in conjunction with the base members form eyed supports to be used for supporting line conductors or insulator supports such as the bail 16 secured at its ends to a rod 17 passing through an insulator 18 and loosely mounted intermediate its ends upon the eyed support.

With the construction above described it will be noted that an outward pull on the arched portion of the wire will be resisted by the sides 12 of the base plate with which the sides of the arch is in contact and that the ends of the arch may be tightly secured in place when the base plate is fastened down by its attaching screws. Furthermore, as these base plates are all alike and the member 5 is composed of a plurality of similar attaching elements, it is an easy matter for the user to prepare the kind of insulator bracket he desires by using a suitable length of the member 5 together with an appropriate number of base members.

The base members 8 may be used in conjunction with each of the elements or certain of the elements as best suits the requirements of the work. For instance, in Fig. 1 I have shown the base members secured to the support to act in conjunction with every other arch 6 and such an arrangement is desirable where long spans of conductors are used. In other instances a base member may be used in conjunction with each arch and in other cases several arches may intervene between an arch provided with a base member.

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

1. In a line conductor support, the combination of a member having integral arched attaching elements, and means for securing one or a series of these elements to a support.

2. In a line conductor support, the com-

bination of a member having arched attaching elements, base members for certain of the elements provided with slots through which portions of the arches project, and means for securing each base member to a support.

3. In a line conductor support, the combination of a wire crimped to provide projecting arches at intervals, and base members, each comprising a metal plate having notched flanged edges, a boss with a loop-receiving slot and curved loop-contracting sides in line with said slot and notches, and means for securing said members to a support.

4. In a line conductor support, the combination of a member having integral arched attaching elements, and base members for certain of the elements.

In testimony whereof, I affix my signature, in presence of two witnesses.

LEM E. HENDEE.

Witnesses:
R. S. C. CALDWELL,
H. D. CHASE.