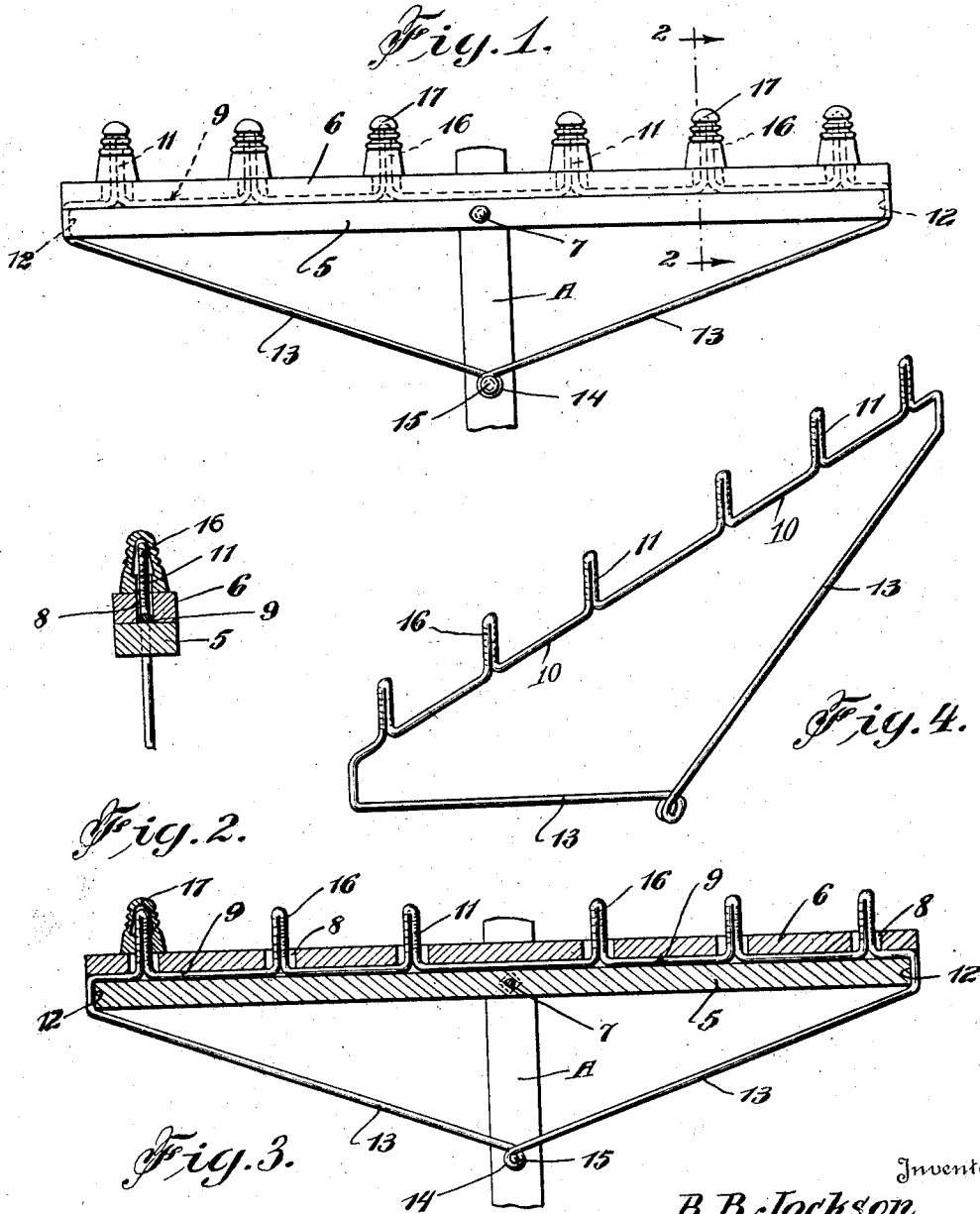


B. B. JACKSON.
INSULATOR SUPPORT.
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BERRY B. JACKSON, OF MUDLICK, KENTUCKY.

INSULATOR-SUPPORT.

1,381,838.

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To all whom it may concern:

Be it known that I, BERRY B. JACKSON, a citizen of the United States, residing in Mudlick, in the county of Monroe and State of Kentucky, have invented certain new and useful Improvements in Insulator-Supports, of which the following is a specification.

The invention relates to an insulator support, and more particularly to the class of cross head supports for insulators used in current line wires.

The primary object of the invention is the provision of an insulator of this character, wherein the insulator members are mounted upon the cross head or support in a novel manner so that any one of the said insulator members can be detached at will should the occasion require, the support being also of novel form so as to permit the convenient and easy fastening to a pole, standard or the like.

Another object of the invention is the provision of an insulator support, wherein the cross head which is adapted to be carried upon a pole or other upright is materially strengthened and the reinforcing medium thereof is constructed to permit the convenient and easy fastening of insulator members thereon so that the same will be carried by the cross head for use in stringing current line wires.

A further object of the invention is the provision of an insulator support of this character, wherein the reinforcing medium for the cross head also constitutes a brace therefor, the cross head being formed in several sections superimposed upon each other and thereby enabling the clamping of the reinforcement which latter is constructed in a particular manner to permit the detachable engagement of insulator members therewith, the fastening of the insulator members in position serve to secure the sections of the cross head together.

A still further object of the invention is the provision of an insulator support which is extremely simple in construction, readily and easily assembled and mounted for use, strong, durable and inexpensive to manufacture and install.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts, as will be hereinafter fully described, illustrated in the accompanying drawing

and pointed out in the claims hereunto appended.

In the accompanying drawings:

Figure 1 is a fragmentary elevation of a pole showing the insulator support constructed in accordance with the invention carried thereon and insulator members engaged upon the support.

Fig. 2 is a sectional view of the line 2--2 of Fig. 1.

Fig. 3 is a vertical longitudinal sectional view through the support showing several of the insulator members in vertical section.

Fig. 4 is a detailed perspective view of the reinforcing medium for the insulator support.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, A designates generally the portion of a pole or other upright for carrying an insulator support, the latter being hereinafter described in detail.

The insulator support comprises a pair of bars 5 and 6 respectively, preferably of the same length with respect to each other, the bar 6 being superimposed upon the bar 5, which latter medially thereof is secured to the pole A preferably through the medium of a cross pin 7, which is secured transversely in said pole and bar, although it is to be understood that the bar 5 can be otherwise secured.

The bar 6 superimposed upon the bar 5 is removable therefrom and contains at intervals along the longitudinal center thereof elongated slots 8, while in the under face of said bar 6 is a channel or groove 9 with which communicate the slots 8 and adapted to be interposed between the bars 5 and 6 is a reinforcing medium constituting a hanger hereinafter fully described.

The reinforcing medium constituting the hanger is preferably made from a rod bent intermediate its ends to provide a plurality of alternate straight stretches 10 and inverted substantially U-shaped tines 11 forming insulator engaging shanks which are disposed vertically and are adapted to be received in and project upwardly through the slots 8 in the bar 6, while the straight stretches 10 are designed to rest upon the top face of the bar 5 and be accommodated in

the groove or channel 9 in said bar 6, the end portions of the rod being trained about the extremities of the bar 5, which are suitably notched at 12 to accommodate these end portions, the latter being extended downwardly in convergent relation to each other to provide diagonally or angularly disposed braces 13, having eye extremities 14, the latter being engaged by a suitable fastener 15 passed through and driven into the pole A beneath the cross head of the insulator support.

The shanks 11 are provided with external threads 16 so that on each of these shanks can be detachably secured an insulator member 17 to which is secured an electric line wire in the ordinary well-known manner.

On the securing of the insulator member 17 upon the respective shanks 11, the bar 6 is clamped in superimposed position upon the bar 5 to hold the said bars and reinforcing rod together as a unit.

The bars 5 and 6 are preferably made from wood and as usual the insulator members 17 are made from porcelain, glass or other insulating material.

It will be apparent that the insulator support when constructed and assembled in a manner as hereinbefore set forth affords a strong and unitary carrier for the insulator members 17 the cross head formed by the bars 5 and 6 being held rigid by the braces 13 and said support can be readily assembled and disassembled as the occasion requires.

In the drawing the reinforcing medium

is shown made from a round rod in cross-section, yet said rod may be otherwise shaped in cross-section, as may be optional in the manufacture of the insulator support.

From the foregoing, it is believed that the construction and manner of assemblage of the insulator support will be clearly understood and therefore a more extended explanation has been omitted.

What is claimed is:

1. An insulator support of the character described, comprising a pair of bars, one superimposed relative to the other, and provided with apertures, a reinforcing member interposed between the bars and having projections extended through apertures in the uppermost bar and provided with means for the fastening of insulator members thereon, and end portions extending from the reinforcing member and inclined toward each other and provided with securing means at their ends.

2. An insulator support of the character described, comprising a pair of members, one superimposed relative to the other, and having openings, a rod interposed between said members, and having upstanding threaded shanks, extending through said openings, insulator members detachably engaged on the threaded shank, and end portions on said rod directed toward each other and provided with securing means.

In witness whereof I affix my signature hereto.

BERRY B. JACKSON.