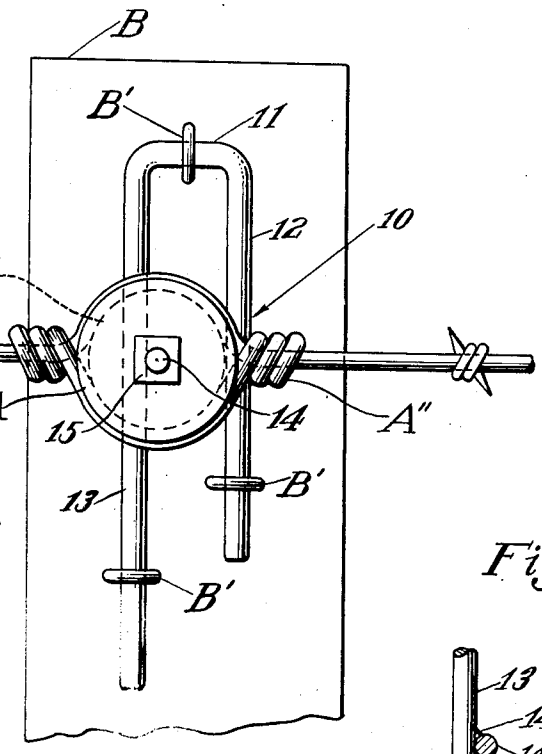
March 18, 1941. G. TKACH 2,234,989

INSULATOR MOUNTING

Filed Sept. 11, 1939

Fig. 1.



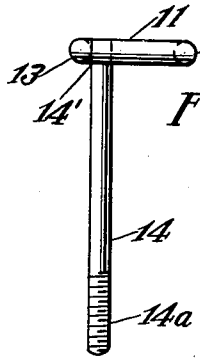


Fig. 4.

Fig. 3.

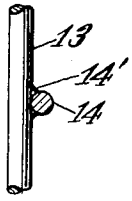


Fig. 2.

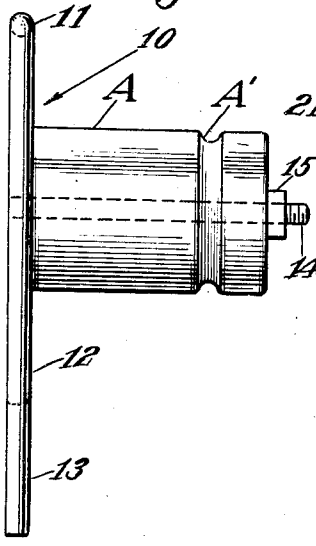


Fig. 5.

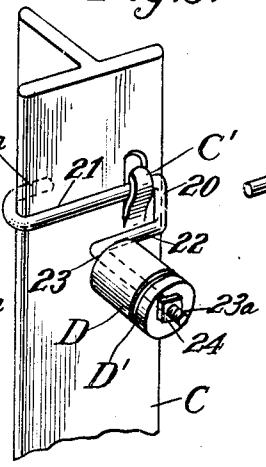
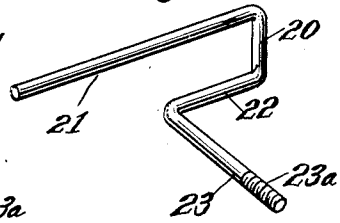


Fig. 6.



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Patented Mar. 18, 1941

2,234,989

UNITED STATES PATENT OFFICE

2,234,989

INSULATOR MOUNTING

George Tkach, Lakefield, Minn.

Application September 11, 1939, Serial No. 294,379

2 Claims. (Cl. 248—205)

This invention relates to improvements in means for mounting electrical insulators or the like and especially is concerned with a novel mounting bracket useful in the construction of electrically charged wire fences.

It is an object of the present invention to provide a mounting bracket for electrical insulators which can readily be attached to dissimilar existing types of fence posts, that is to say, a bracket which can be mounted with equal facility upon steel or wooden standards.

Another object of this invention is to provide a mounting bracket to which the insulator can be attached prior to the mounting of the bracket upon the standard as contrasted to existing types of brackets wherein it is necessary to attach the relatively fragile insulator to the bracket after but not before mounting the bracket on the standard.

A feature of the novel insulator mounting bracket according to this invention is its comparative stability and rigidity when attached to a standard resulting from the unique construction of the bracket itself whereby a relatively large base or area of attachment of the bracket to the standard is provided.

An advantage of the novel bracket according to the present invention over other types of brackets now in use is its comparative simplicity from the standpoint both of construction and of manufacture whereby the full possibilities of economy following from mass production can be utilized.

Other objects, advantages and features of the new and improved insulator mounting bracket according to the present invention will be apparent to those skilled in this art during the course of the following description.

Regarded in certain of its broader aspects the novel insulator mounting bracket according to this invention comprises a U-shaped member presenting a pair of coplanar arms, one shorter than the other, an insulator receiving pin essentially fixedly mounted on said member intermediate the ends thereof extending perpendicular relative to the plane defined by the arms, and means for retaining an electrical insulator upon said pin.

In order to facilitate a fuller and more complete understanding of the present invention a specific embodiment thereof herein illustrated will be hereinafter described, it being clearly understood, however, that the illustrated embodiment, although presently preferred, is provided solely by way of example of the practice of this invention and not by way of limitation thereof except insofar as the invention is recited in the subjoined claims.

Referring then to the drawing,

Figure 1 is essentially a front elevational view of the presently preferred embodiment of the instant invention showing same in position of use mounted upon a standard and carrying an electrical insulator,

Fig. 2 is a side elevational view of the mounting bracket and insulator.

Fig. 3 is a detail view, partially in section, illustrating the mode of attachment of the insulator carrying a pin to other parts of the bracket,

Fig. 4 is a top plan view of the bracket without the insulator,

Fig. 5 is a perspective view of an alternative embodiment of this invention showing same mounted upon a conventional standard, and

Fig. 6 is essentially a perspective view of the insulator removed of the bracket illustrated in Fig. 5.

Referring now especially to Figs. 1 to 4 inclusive, it will be noted that the novel insulator supporting bracket according to this invention generally designated by the numeral **10** comprises a U-shaped member **11** having arms **12** and **13** extending in spaced parallelism and disposed in a common plane, the arm **13** being relatively longer than the arm **12**. An insulator receiving pin **14** extending perpendicular relative to the plane defined by the U-shaped member **11** is attached at an intermediate locality to the inner face of the arm **13** by appropriate means such as solder **14'**, although of course other means of attachment may be employed, such as welding or the like if preferred. The distal end of the pin **14** is threaded at **14a** to receive a nut **15** and holding an insulator on the pin as hereinafter will be described.

Referring now to Fig. 1, it is to be noted that the U-shaped member **11** is mounted upon the standard B by staples B' passing around end and intermediate parts of the member substantially as shown. An insulator A having an annular groove A' formed therein for receiving the loop in the wire A'' is mounted upon the pin **14**, being held in position thereon by the nut **15**. It will be evident that the U-shaped member **11** provides a relatively wide base of attachment for holding the pin **14** rigidly perpendicular to the surface of the standard B.

Having described the preferred embodiment of the present invention, reference is now made to

Figs. 5 and 6 wherein an alternative embodiment is illustrated. It will be noted that this embodiment of the present invention comprises a U-shaped member **20** having arms **21** and **22** extending in spaced parallelism in a common plane, the arm **21** being longer than the arm **22**, essentially as shown. An insulator receiving pin **23** extending perpendicular relative to the plane defined by the arms **21** and **22** of the U-shaped member **20** is provided on and preferably is formed integral with the arm **22**, the pin being threaded at its distal end **23***a* to receive a nut **24**.

Referring now to Fig. 5, it will be noted that in mounting the bracket according to this embodiment of the present invention, the arm **21** near the cross piece of the U-shaped member **20** is received in an outwardly struck lug C' formed integral with the standard C and that the free end **21***a* of the arm **21** is bent backwardly and around edge portions of the standard whereby relatively firm and rigid mounting of the U-shaped member on the surface of the standard is provided. An insulator D provided with an annular wire receiving groove D' is positioned upon the pin **23** and retained thereon by the nut **24**.

It will be evident that in each instance in the practice of the present invention a rigid and substantial mounting bracket is provided for receiving an electrical insulator, the bracket being readily mounted upon either wooden or metallic fence standards.

Having thus described the present invention, what it is desired to secure by Letters Patent is:

1. An insulator holder comprising a U-shaped member presenting coplanar essentially parallel arms, one shorter than the other; an insulator-receiving element mounted on the longer arm intermediate the length thereof extending perpendicularly relative to the plane of the arms; and means for holding an insulator on said element.

2. An insulator holder comprising a U-shaped member presenting coplanar essentially parallel arms, one shorter than the other; an insulator-receiving element mounted on the longer arm intermediate the length thereof extending perpendicularly relative to the plane of the arms; and means for holding an insulator on said element comprising threaded formations on the free distal end of said element and an internally threaded insulator-engaging member engaging with and receivable on said threaded portions of said element.

GEORGE TKACH.