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FASTENER FOR INSULATING BRACKETS.

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Fig. 1.

Fig. 2.

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IRA CADWALLADER, OF WEST LEBANON, INDIANA.

FASTENER FOR INSULATING-BRACKETS.

1,335,042.


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To all whom it may concern:

Be it known that I, IRA CADWALLADER, a citizen of the United States, residing at West Lebanon, in the county of Warren and State of Indiana, have invented a new and useful Fastener for Insulator-Brackets, of which the following is a specification.

In the erection of wooden insulating brackets for electric lines, the wooden bracket commonly used often times becomes split, either during the driving of the spikes through it, or subsequently on account of the lateral stresses produced by the suspended wires.

The object of my present invention is to provide a simple yet effective device for reinforcing the bracket and either preventing splitting or serving to retain the split bracket in effective place.

The accompanying drawings illustrate my invention. Figure 1 is a side elevation in partial section of a bracket to which my improvement has been applied, and Fig. 2 a perspective view of the improved clip.

The clip comprises a U-shaped metal member 10 having parallel arms spaced apart a distance substantially equal to the width of the shank of the bracket 11. This shank is wedge-shaped in elevation and the holes 12 for the reception of the retaining spikes are substantially at right angles to that face of the wedge which is applied to the sustaining hole, building, etc. In order, therefore, that the retaining clip 10 enter the hole under such conditions as to insure the base or central portion of the clip fairly engaging the outer face of the wedge, I provide the ends of the arms of the U with single bevel 14, 14 inclined downwardly and rearwardly from the upper edge of the arms, as clearly indicated in Fig. 1.

In operation, the clip is straddled upon the bracket 11 and the spike 13 is passed through perforation 10 thereof and through perforation 12 in the shank of the bracket 11. Thereupon, the spike and clip are driven simultaneously to position. Owing to the bevels 14, the clip 10 will bite upwardly into the retaining pole so that by the time the parts are driven home, as indicated in Fig. 1, the base 10 of a clip will lie fairly against the outer surface of the bracket 11 while spike 13 will have been driven into the hole practically at right angles to the opposite face of the wedge of 55 bracket 11.

By this means the insulating bracket is firmly held in place, and because the arms of the clip 10 lie at an angle to the spike 13, there is less likelihood of the insulating 60 bracket being pulled loose from the supporting structure. The arms of the clip lying closely against the sides of the insulating bracket 11, firmly brace the bracket both while the spike is being driven and afterward while it is in service.

The clips may be applied at both the upper and lower spike openings of the insulating bracket if desired, although in practice it is generally found sufficient to apply them to the lower or thinner end of the wedge where the wood is weakest.

I claim as my invention:

1. As an article of manufacture, a strengthening clip for wooden insulating 75 brackets, comprising a U-shaped metal member having substantially parallel arms spaced apart a distance substantially equal to the width of an insulating bracket; having sharpened ends produced by a major bevel in one direction only, and having a spike-receiving perforation through its base, substantially as described.

2. The combination with a wooden insulating bracket, a supporting structure and a 85 retaining spike, of a reinforcing metal clip having substantially parallel arms spaced apart a distance equal to the width of the bracket and having a perforation through its base for the passage of the spike, the ends of the arms of the U being sharpened by a major bevel in a direction downwardly and rearwardly from the upper edge of the clip.

In witness whereof I have hereunto set my hand at Indianapolis, Indiana, this 23d day of April, A. D. one thousand nine hundred and nineteen.

IRA CADWALLADER.