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WIRE HOLDER

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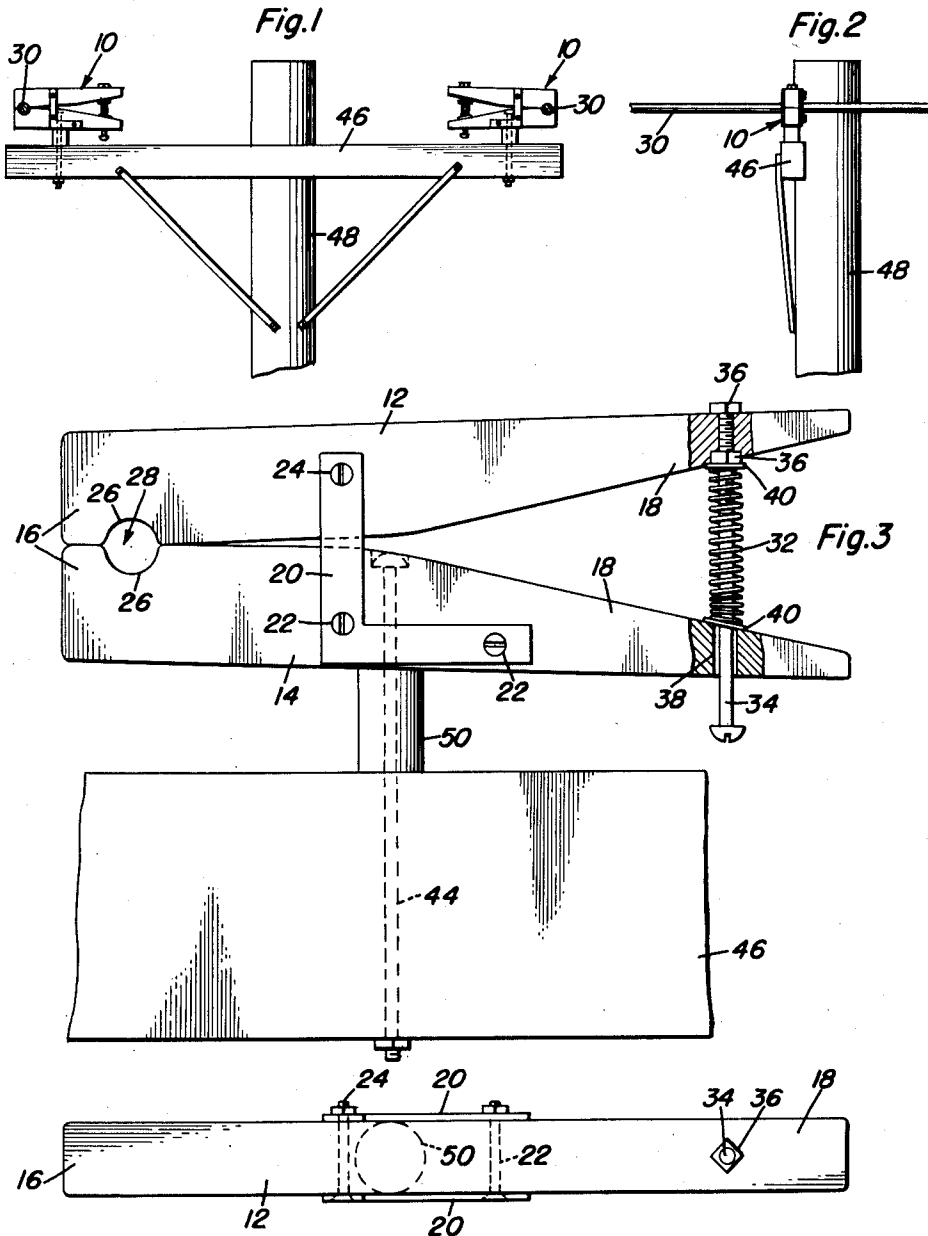


Fig. 4

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WIRE HOLDER

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1 Claim. (Cl. 248—221)

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This invention relates to new and useful improvements and structural refinements in holders for telephone and electric wires, and the principal object of the invention is to firmly and securely sustain said wires in position on the cross arms of telephone and electric poles, this being achieved in such manner that the wires may be quickly and easily installed or removed in the holders.

Some of the advantages of the invention lie in its simplicity of construction, in its efficient and dependable operation, and in its adaptability to economical manufacture.

With the above more important objects and features in view and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a fragmentary elevational view showing the upper end portion of a pole with the invention installed on the cross arm thereof,

Figure 2 is a fragmentary side elevational view of the subject shown in Figure 1,

Figure 3 is an enlarged elevational view of the invention mounted upon a cross arm, the invention being partially broken away so as to reveal its construction, and

Figure 4 is a top plan view of the subject shown in Figure 3.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of a wire holder which is designated generally by the reference character 10 and embodies in its construction complementary upper and lower members 12, 14 which are horizontally elongated and disposed in a superposed position, the members 12, 14 affording a pair of coating jaws 16 and a pair of tapered finger pieces 18, as will be clearly apparent.

A pair of angle brackets 20 are rigidly secured by suitable screws 22 to the opposite sides of the lower member 14 and project upwardly therefrom to embrace the upper member 12 at the opposite sides thereof, to which the brackets 20 are pivotally attached by suitable screws 24.

The coating jaws 16 are provided in opposing surfaces thereof with notch 26 which define, when the jaws are together, a substantially circular opening 28 for the reception of a wire 30, and it will be apparent from the foregoing that when the finger pieces 18 are pressed together, the jaws 16 are spread apart, so that the wire 30 may be quickly and easily installed in or removed from the opening 28.

The jaws 16 are urged together by a compres-

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sion spring 32 which is loosely positioned upon a screw threaded stud 34, the latter being rigidly secured to the finger piece of the upper member 12 by a pair of nuts 36, as is best shown in Figure 3. The "head" end portion of the stud 34 extends freely through the bore 38 provided in the finger piece of the lower member 14, whereby the finger pieces 18 may be pressed together without binding of the stud 34 in the bore 38. A pair of washers 40 are provided on the stud 34 at the opposite ends of the spring 32, as shown.

A second stud 44 has one end portion thereof embedded in the lower member 14 and projects downwardly therefrom through the usual cross arm 46 at the upper end of a pole 48, and an insulating bushing or spacer 50 is provided on the stud 44 between the lower member 14 and the cross arm 46, as shown.

It is believed that the advantages and use of the invention will be clearly understood from the foregoing disclosure and accordingly, further description thereof at this point is deemed unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that minor changes in the details of construction and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

Having described the invention, what is claimed as new is:

A wire holder comprising complementary upper and lower members affording a pair of coating jaws and a pair of coating finger pieces at the opposite ends thereof, a pair of upwardly projecting brackets rigidly secured to the lower member and pivoted to an intermediate portion of the upper member whereby said jaws may be swung toward and away from each other, said jaws having opposing surfaces provided with notches defining a wire receiving opening when the jaws are swung together, means on the lower member for securing the same to a support, a stud secured to one of said finger pieces and extending slidably through an aperture in the other finger piece, and a compression spring positioned on said stud between said finger pieces for urging said jaws together.

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REFERENCES CITED

The following references are of record in the file of this patent:

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