No. 887,520. PATENTED MAY 12, 1908

J. W. REHLING.

INSULATOR.

APPLICATION FILED SEPT. 6, 1907.

Fig. 1.

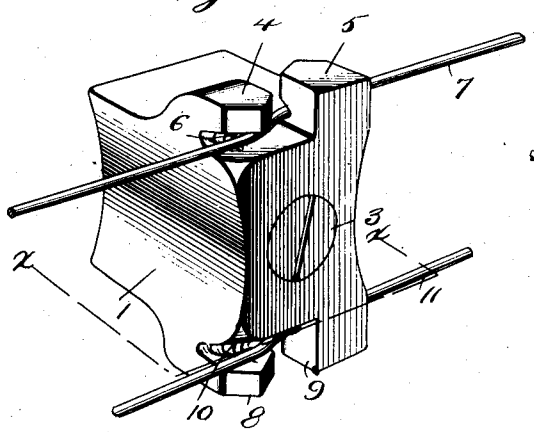


Fig. 2.

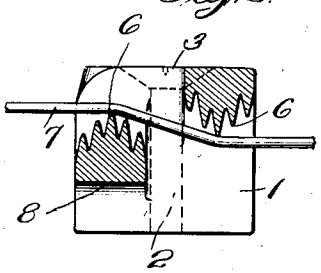


Fig. 3.

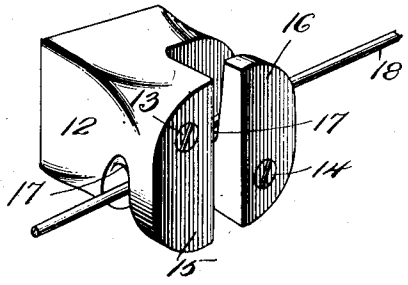
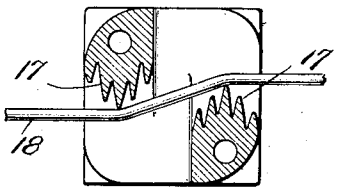


Fig. 4.



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Witnesses

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UNITED STATES PATENT OFFICE.

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INSULATOR.

No. 887,520. Specification of Letters Patent. Patented May 12, 1908.

Application filed September 6, 1907. Serial No. 391,607.

To all whom it may concern:

Be it known that I, JOHN WM. REHLING, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Insulators, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to insulators, and its object is to provide an insulator of simple and inexpensive construction to which conductor wires may be readily engaged without the employment of a tie wire.

The construction of the improvement will be fully described hereinafter, in connection with the accompanying drawing which forms a part of this specification, and its novel features will be defined in the appended claims.

In the drawing; Figure 1 is a view in perspective of an insulator embodying the invention, Fig. 2 is a horizontal section of the same on the line x—x of Fig. 1, Fig. 3 is a perspective view of a modified construction of the device, and, Fig. 4 is a vertical section thereof.

Referring to Figs. 1 and 2, the numeral 1 designates a block of glass, or other vitreous material formed with a central opening 2 to receive a screw 3 for securing the block to a suitable support. The upper side of the block 1 is formed with V-shaped slots to provide two oppositely projecting lugs 4 and 5, the vertical portions 6 of which are serrated to adapt them to grip a wire 7. The under side of the block is also provided with oppositely disposed lugs 8 and 9 formed with serrations 10 to engage a wire 11.

As shown in Fig. 1 the insulator constructed as above described is adapted to support two wires.

An important feature of the invention is, that a twist of the insulating block will bind the wire and make it taut.

In the modification shown in Figs. 3 and 4 the block 12 of insulating material is formed with two screw holes 13 and 14, and is recessed vertically to provide two oppositely disposed lugs 15 and 16 having serrated surfaces 17 to engage a wire 18. This modified form of the invention as will be apparent, is designed for a single conductor wire.

The improvement provides an insulator to which a wire or wires may be readily attached without requiring the employment of tie wires or other fastening means.

It will be seen that my improved insulator, as constructed, will readily take up any slack wire of the line, and by slightly turning the device the wire will be drawn taut, thus a particular advantage is produced, for the reason that any slack wire may be easily taken up at any time by merely turning the insulator.

Having fully described my invention what I claim as new and desire to secure by Letters Patent, is,

1. An insulator, comprising a block of non-conducting material, provided with oppositely disposed lugs to engage a wire and having serrated surfaces upon which the wire rests.

2. An insulator comprising a block of non-conducting material formed with a central opening, and provided on its upper and lower sides with oppositely-projecting lugs having serrated surfaces to grip conductor wires.

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

JOHN WM. REHLING.

Witnesses:
MAX H. SROLOVITZ,
C. V. BROOKS.