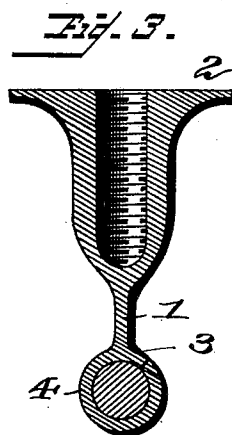
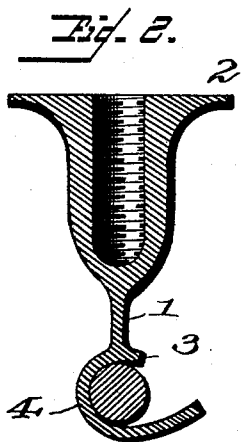
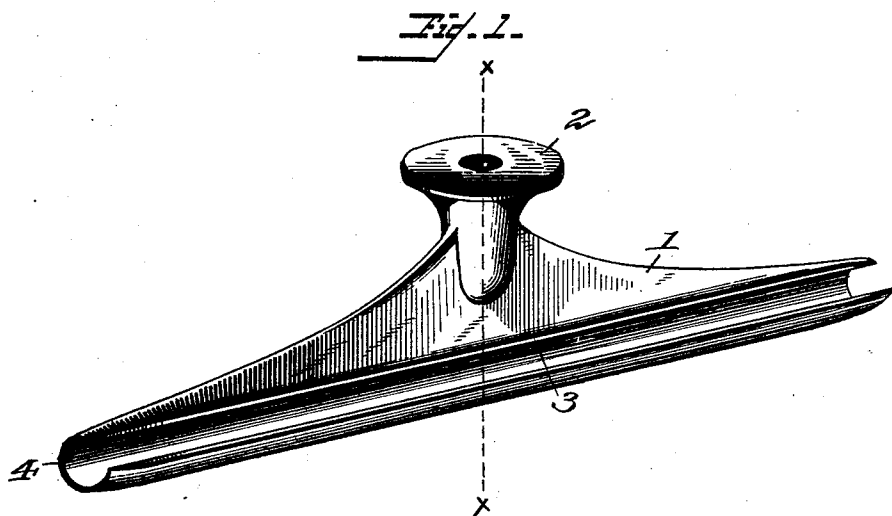


(No Model.)

L. SPILLMAN.
TROLLEY WIRE HANGER.

No. 499,943.

Patented June 20, 1893.



Witnesses
Paul Finckel
Paul Finckel

Inventor
Lorenz Spillman,
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UNITED STATES PATENT OFFICE.

LORENZ SPILLMAN, OF COLUMBUS, OHIO.

TROLLEY-WIRE HANGER.

SPECIFICATION forming part of Letters Patent No. 499,943, dated June 20, 1893.

Application filed January 21, 1893. Serial No. 459,220. (No model.)

To all whom it may concern:

Be it known that I, LORENZ SPILLMAN, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Trolley-Wire Hangers or Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The construction of trolley-wire hangers or supports heretofore in use has been such that the connecting of the conductors therewith has been attended with considerable difficulty, and further their construction has usually been such as to cause the trolley when passing under them to leave the conductor entirely or else to jump thereon permitting a spark to pass thereby damaging to some extent the parts and interfering with the proper working of the apparatus.

It is the object of my invention to overcome these difficulties and provide a hanger to which the conductor may be quickly, conveniently, and securely attached and which when attached forms practically a uniform continuation of the wire.

My invention is embodied in a hanger made of a plate or web of metal the general form of which is that of an elongated isosceles triangle and having at its upper or apex end a socket to receive the insulator and a bead or shoulder parallel to its lower part or base, said lower part or base being curled so as to form a tube open at its upper side ready to receive the wire and capable of being compressed around the wire so as to envelop the same.

In the drawings, Figure 1 is a perspective view of a wire hanger embodying my inven-

tion. Fig. 2 is a sectional view taken on the line $x-x$, Fig. 1, showing the wire placed in the tube formed by the lower side of the bead or shoulder and the lower part of the hanger ready to have said tube compressed around the wire; and Fig. 3 illustrates in section the holder with the wire completely secured therein.

The character 1 indicates the body of the hanger, 2 the socket to receive the insulator; 3 marks the bead extending parallel to the open tube 4.

The wire may be of any diameter but the bead will be of such length and its position on the side of the plate will be such that when said bead and the lower part of the plate are compressed about the wire the latter will be securely inclosed. The opening in the upper side of the wire-receiving tube will be such as will readily permit the downward insertion of the wire and when in place will not be liable to be laterally disengaged therefrom.

My hangers will be found exceedingly convenient in constructing the line because after they are secured on the span wires they will serve as temporary supports for the line while being stretched.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A trolley wire hanger or support having its lower part curled to form a tube open at its upper side to receive the wire, the said tube tapered at its ends so as to obtain an even or unbroken surface between the ends of the tube and the wire, substantially as described.

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

LORENZ SPILLMAN.

Witnesses:

CHAS. E. BEDWELL,
GEO. M. FINCKEL.