No. 892,319. PATENTED JUNE 30, 1908.

N. SOHL.

BINDING POST.

APPLICATION FILED MAY 28, 1907.

Fig. 1.

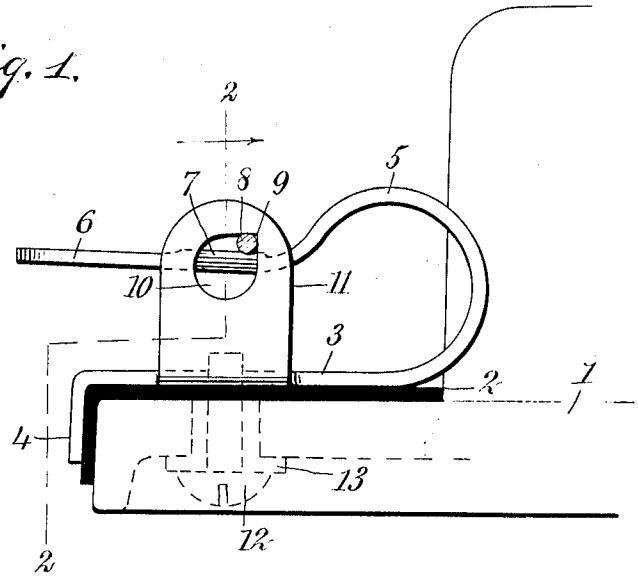


Fig. 2.

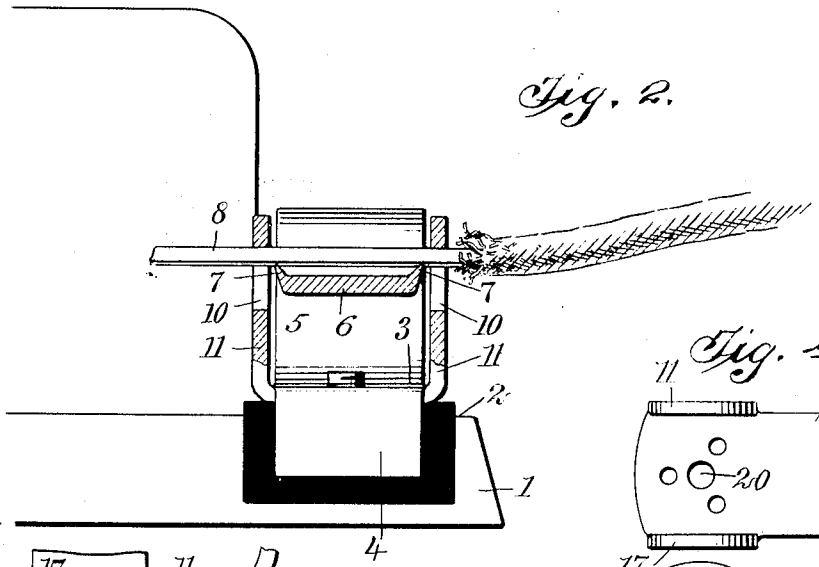


Fig. 3.

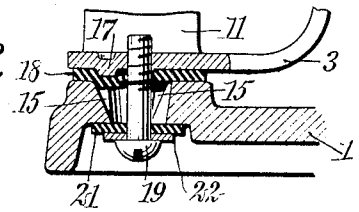
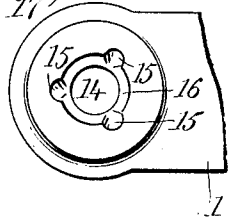


Fig. 4.

Fig. 5.



WITNESSES

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BINDING-POST.

No. 892,319. Specification of Letters Patent. Patented June 30, 1908.

Application filed May 28, 1907. Serial No. 376,092.

To all whom it may concern:

Be it known that I, NICHOLAS SOHL, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Binding-Post, of which the following is a full, clear, and exact description.

This invention relates to binding posts adapted to be used with electric wires and to afford a firm and positive connection therewith.

Although adapted for general use it is especially designed to be used where vibrations or jars would loosen or disturb the screws, bolts or nuts ordinarily employed.

Other objects relating to the specific construction and special arrangement of the parts will be understood from the following description and accompanying drawings which embody my invention in its preferred form, and in which drawings like characters of reference indicate like parts throughout the views, and in which

Figure 1 is a side elevation of a binding post embodying my invention; Fig. 2 is a vertical transverse section thereof taken on the line 2—2 of Fig. 1; Fig. 3 is a vertical transverse section of a modified construction of means for binding and insulating a post on its support; Fig. 4 is a plain of the end of the binding post shown in Fig. 3; and Fig. 5 is a plan of the base shown in said figure.

As illustrated in the drawings, the binding post is mounted upon a bed plate 1 having a bed of non-conducting material 2 adapted to support and insulate the base 3 of the binding post supported thereon. The outer end 4 of the binding post and the corresponding end of the bed of non-conducting material 3 may be off-set from the body portion thereof so as to bear against the outer edge of the base plate 1 and hold said post against rotary movement thereon. A spring 5 extends upward from the base 3 of the post and is provided with an arm 6 having binding ribs 7 adapted to bar against a wire 8 and hold said wire in engagement with angular or notched portions 9 of the curved bearing edges of apertures 10 formed in the sides of ears 11 which ears extend vertically from the sides of the base 3 and preferably integral therewith. The apertures 10 of the ears 11 are larger than the cross section of the wire designed to be held therein, and the angular portions 9 of said apertures are so positioned relatively to the spring-actuated arm 6 that the normal upward tension of said arm leads or conducts the wire 8 into the angular portions of said apertures and holds said wire firmly in position. And to this end the arm 6 is preferably inclined, so that as the arm springs upward it will press the wire into the angular portions of the apertures automatically. The base 3 of the post is secured to the bed plate 1 by means of a screw 12 insulated from the base 1 by means of a sleeve 13 of non-conducting material.

Other means than the off-set end 4 of the base 3 of the binding post may, if desired, be employed without departing from my invention. Thus, the bed plate 1 may be provided with a conical aperture 14 having recesses 15 formed in the inclined wall 16 of said aperture and spaced evenly from each other, adapted to register with corresponding projections 17 formed on the bottom of the base 3 of the binding post, by means of which an intermediate washer 18 of insulating material may be depressed into the recesses 15 of the base 1 and hold the base of the binding post against rotation on its support. When such construction is used, the binding post may be secured to the base plate by means of a screw 19 extending through the aperture 14 of the base, and an aperture 20 formed in the binding post. An insulating washer 21 may be arranged between the bed plate 1 and head of the screw 19 or washer 22 connected therewith. By means of such construction, the wire 8 is firmly and positively held within the ears of the binding post, and may be readily attached thereto and removed therefrom, when desired. The notched portions 9 of the ears 11 of the binding post are well adapted to receive and hold equally well wires of various diameters and clamp the wire more firmly and positively than can be done by a rounded bearing surface. The construction and arrangement of the arms of the spring 5 relatively to the ears 11 and the apertures formed therein, is such that the normal tendency of the arms 6 is to carry a wire across the curved bearing edges and into the notches 9 of the ears 11, thereby automatically seating a wire in said notches and holding it there.

Having thus described my invention, what

I claim as new and desire to secure by Letters Patent is:

1. A binding post, comprising a base-plate having oppositely disposed ears provided with apertures having curved bearing edges provided with notches, and a spring-actuated arm arranged between said ears and provided with offset edges adapted to conduct a wire automatically into the notched portions of said ears and hold the wire therein.

2. In a binding post, a bed-plate provided with a conical aperture having recesses formed in the wall of said aperture, a base provided with projections adapted to register with the recesses of said bed-plate, a washer of insulating material arranged between said base and bed-plate, and a fastening device extending through the aperture of the bed-plate so as to clamp the bed-plate and base-plate firmly together.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

NICHOLAS SOHL.

Witnesses:
E. J. WAGNER,
IRIJAH ALFRED TERRELL.