K. C. RANDALL.

BINDING POST.

APPLICATION FILED FEB. 3, 1915.

1,206,376.

Patented Nov. 28, 1916.

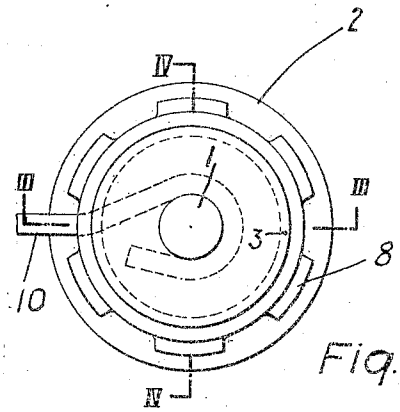


Fig. 1.

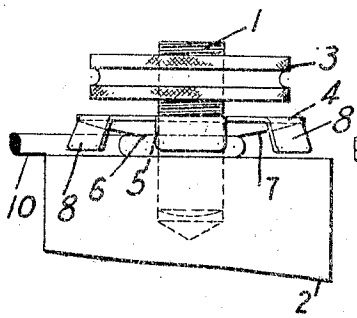


Fig. 2.

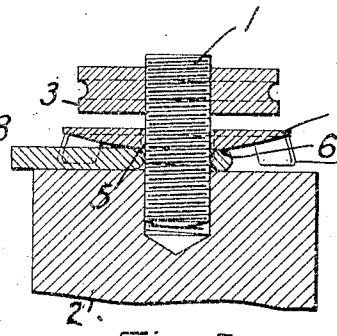


Fig. 3.

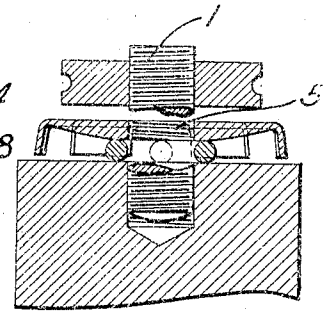


Fig. 4.

WITNESSES:

INVENTOR

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UNITED STATES PATENT OFFICE.

KARL C. RANDALL, OF EDGEWOOD PARK, PENNSYLVANIA, ASSIGNOR TO WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY, A CORPORATION OF PENNSYLVANIA.

BINDING-POST

1,206,376. Specification of Letters Patent. Patented Nov. 28, 1916.

Application filed February 3, 1915. Serial No. 5,868.

To all whom it may concern:

Be it known that I, KARL C. RANDALL, a citizen of the United States, and a resident of Edgewood Park, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Binding-Posts, of which the following is a specification.

My invention relates to binding posts and particularly to binding posts for fusible conductors.

The object of my invention is to provide a binding post of the above-indicated character which will obviate the necessity of providing clip terminals for fusible conductors that are attached thereto.

Heretofore, it has been necessary to provide fusible conductors with clip terminals for preventing the same from being squeezed into a smaller cross section and thus made liable to melt when subjected to a current that is smaller than the normal fusing current. Since it has been found expensive to provide fusible conductors with clip terminals, I provide a binding post that obviates the necessity of the use of such terminals. I further provide a washer member that may be adapted to any ordinary type of binding post for insuring good electrical contact.

Figures 1 and 2 of the accompanying drawing are top plan and side elevational views, respectively, of a binding post embodying my invention; Fig. 3 is a sectional view taken along the line III—III of Fig. 1, and Fig. 4 is a sectional view taken along the line IV—IV of Fig. 1.

A screw threaded post 1 is secured to a base member 2 by screwing it therein or by any other suitable means. The post member 1 is provided with an internally threaded knurled head nut 3 and a washer member 4 for purposes hereinafter more fully set forth.

The washer member 4 comprises a metal disk having a central circular opening 5, a substantially flattened portion 6 immediately surrounding the opening 5, a chamfered portion 7 toward its outer edges and a plurality of legs 8. The legs 8 rest upon the base member 2 when they are forced downwardly by the nut 3, and are bent at such an angle as to cause the washer member 4 to be resilient. The openings 9 between the legs 8 are of such size as to permit the insertion of a fusible conductor 10.

In order to secure the fusible conductor 10 to the binding post 1, it is inserted in one of the openings 9 and disposed about the post 1. The nut 3 is then screwed down upon the washer member 4, the portion 6 of which securely grips the fusible conductor 10, and the chamfered portion 7 of which permits the pressure exerted along the conductor 10 to be diminished gradually to thus not materially decrease the cross section of the conductor. Thus, a fusible conductor may be secured to a binding post without the necessity of providing clip terminals for the same.

The member 4 may be stamped from metal or constructed in any other suitable manner and may be employed in any ordinary type of binding post irrespective of its application.

I do not wish to be restricted to the particular construction shown and described, as many modifications may be made within the spirit and scope of the invention, as set forth in the appended claims.

I claim as my invention:

1. A binding post comprising a screw threaded member, a washer member having a plurality of resilient legs and a body portion that is chamfered toward its outer edges, and a nut for engaging the washer member.

2. A binding post comprising a screw threaded member, a nut therefor and a washer member having a portion chamfered on its under side toward its outer edges and a plurality of resilient legs.

3. A binding post for a fusible conductor comprising a post member, a clamping member, and a resilient washer member disposed between the clamping member and the fusible conductor and having a chamfered engaging face and a plurality of resilient legs.

4. A binding post for a fusible conductor comprising a screw threaded post, an internally threaded clamping member therefor, and a washer member having a chamfered under portion and a plurality of resilient legs, said washer member being disposed around the post and between the clamping member and the fusible conductor.

5. A binding post for a fusible conduc-

tor comprising a screw threaded post, a nut therefor and a washer member having a plurality of legs and an under surface that is substantially flat in its central portion and chamfered toward its outer edges.

6. A washer member for a binding post comprising an upper portion having an opening therein, a substantially flat portion surrounding the opening, a substantially chamfered portion toward the outer edges and side portions constituting resilient legs.

7. A binding post for a fusible conductor comprising a screw threaded post, a nut therefor, and a washer member having an opening therein for receiving the post, a substantially flat portion surrounding the opening for gripping the fusible conductor, a portion chamfered toward the outer edges and a plurality of feet for permitting the gripping of the conductor without materially diminishing its cross section.

In testimony whereof, I have hereunto subscribed my name this 30th day of Jan., 1915.

KARL C. RANDALL.

Witnesses:

BERTRAM P. ROWE,

B. B. HINES