

G. W. GOODRIDGE.
 BINDING POST.
 APPLICATION FILED DEC. 17, 1908.

960,087.

Patented May 31, 1910.

Fig. 1.

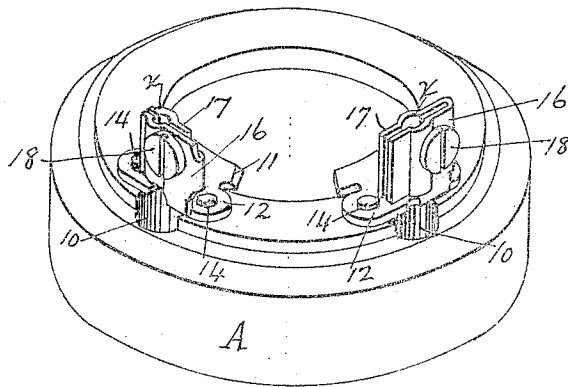


Fig. 2.

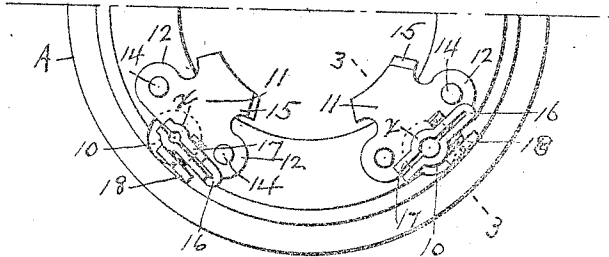


Fig. 4.

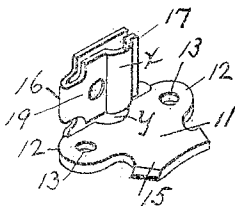
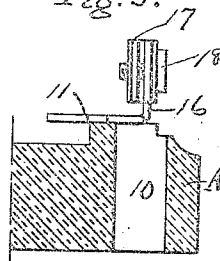


Fig. 3.



WITNESSES

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GILBERT W. GOODRIDGE, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE PERKINS ELECTRIC SWITCH MANUFACTURING COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

BINDING-POST.

960,087.

Specification of Letters Patent.

Patented May 31, 1910.

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To all whom it may concern:

Be it known that I, GILBERT W. GOODRIDGE, a citizen of the United States of America, and residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Binding-Posts, of which the following is a specification.

My invention relates to electrical binding posts and particularly to binding posts for rotary snap switches, the object of my invention being to provide an improved post in which the necessity for wrapping the wire beneath the head of the binding screw is eliminated.

In the accompanying drawings in which my invention is illustrated, Figure 1 is a perspective of a porcelain switch base of common construction upon which binding posts embodying my invention are mounted; Fig. 2 is a partial plan of the same; Fig. 3 is a vertical section on the line 3—3, Fig. 2; and Fig. 4 is a perspective of a modified form of post.

In these drawings only sufficient of the base and binding posts to illustrate the present invention has been shown.

My improved binding posts, in the form illustrated, are adapted for use with a rotary switch member of the type illustrated in the Thomas patent No. 687,669, that is a rotary switch member having contact clips to embrace, make contact with and slide over a blade carried by each binding post. As shown, the base A has vertical passages 10 formed therein through which the leading-in wires may be threaded directly to the binding posts.

Each binding post is formed from sheet metal stamped up to form a horizontal base piece 11 with lateral wings 12 having threaded openings 13 to receive the usual securing screws 14, which are set in from the underside of the base. The contact blade 15 projects horizontally from between the wings 12, while the standard 16 is angled into substantially vertical position and provided with a clamp 17 through which the binding screw 18 is threaded. This clamp is formed in the blank by stamping out a laterally projecting wing on the standard 16 which is subsequently folded over and the hole 19 for the binding screw punched and tapped. To hold the wire in position it is

desirable to groove the wings of the clamp at *x*, though it is sufficient if the groove be formed in one wing only, as in Fig. 4. The groove is located in line with the cut away portion *y* of the base piece and the post is secured upon the insulating base A so that the parts *x* and *y* are aligned with the passage 10, and the leading-in wire may thus be easily threaded up into the groove *x* of the clamp. This is a considerable convenience as it saves the time ordinarily consumed in wrapping the wire end around the binding screw, and furthermore a greater contact surface is presented and a surer contact made by the clamp than when the wire is merely twisted around the binding screw and secured beneath the head of the latter.

I claim as my invention:

1. A combined contact and binding post, comprising a base with laterally extending perforated securing ears and a contact blade integral therewith and projecting between the same, together with an integral upright standard having a lug struck therefrom and bent around to form a clamp and an actuating screw passing through the members of the clamp, said base being cut away between the laterally extending ears to leave clearance for a leading-in wire and said clamp being located thereover to receive said wire, substantially as described.

2. An insulating base of a rotary snap switch having holes for the passage of the wires, together with an integral combined contact and binding post comprising a base piece with laterally extending ears, and a contact blade projecting between the same, together with an upright standard having a lug bent around to form a binding clamp, and an actuating screw passing through the members of the clamp, said base being cut away between the laterally extending ears to leave clearance for a leading-in wire and said clamp being located over the wire hole in the base and adapted to receive the leading-in wire threaded therethrough, substantially as described.

3. A blank for a combined contact and binding post, comprising a metal strip having one end shaped for a contact blade, a base portion adjacent said blade having perforated lugs extending laterally on either side of said blade, a post portion adjacent said base portion having a lateral flange

adapted to be bent around to form a clamp, said base portion being perforated to afford clearance for the leading-in wire and said post and clamp-lug portions being perforated with holes of the same size adapted to be brought into register and threaded to receive an actuating screw.

4. A combined integral contact and binding post, comprising a base with laterally extending perforated securing ears, a contact blade projecting horizontally from between said ears, together with an upright standard having a lug struck therefrom and bent around to form a clamp, an actuating

screw passing through the clamp, said base being cut between the securing ears to leave clearance for a leading-in wire, said clamp being located thereover to receive said wire and one member of the clamp being vertically grooved to hold the wire in position, substantially as described.

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

GILBERT W. GOODRIDGE.

Witnesses:

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H. W. GOLDSBOROUGH.