

G. W. GOODRIDGE.
 ROTARY SNAP SWITCH.
 APPLICATION FILED JAN. 3, 1908.

924,609.

Patented June 8, 1909.

Fig. 1.

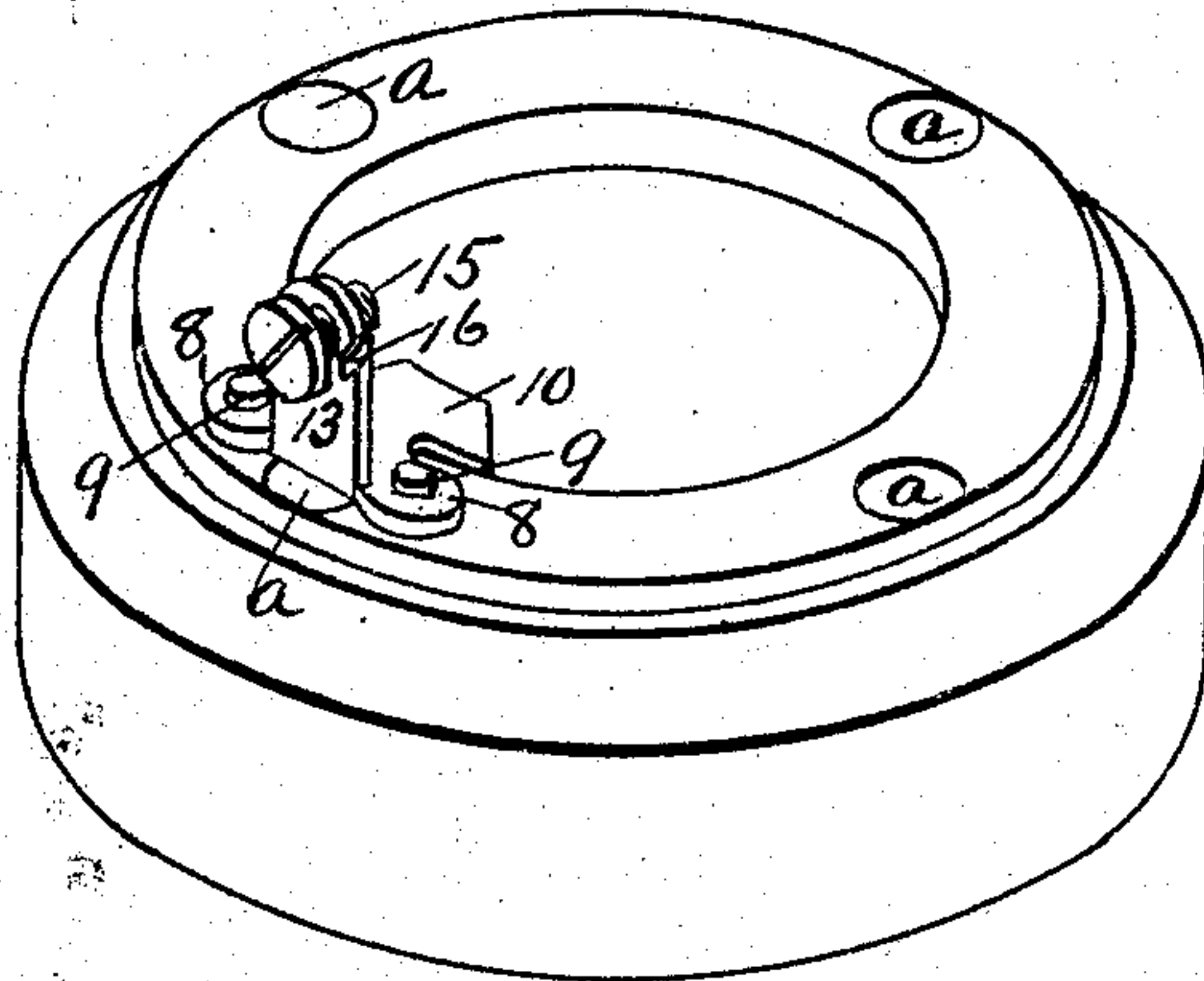


Fig. 2.

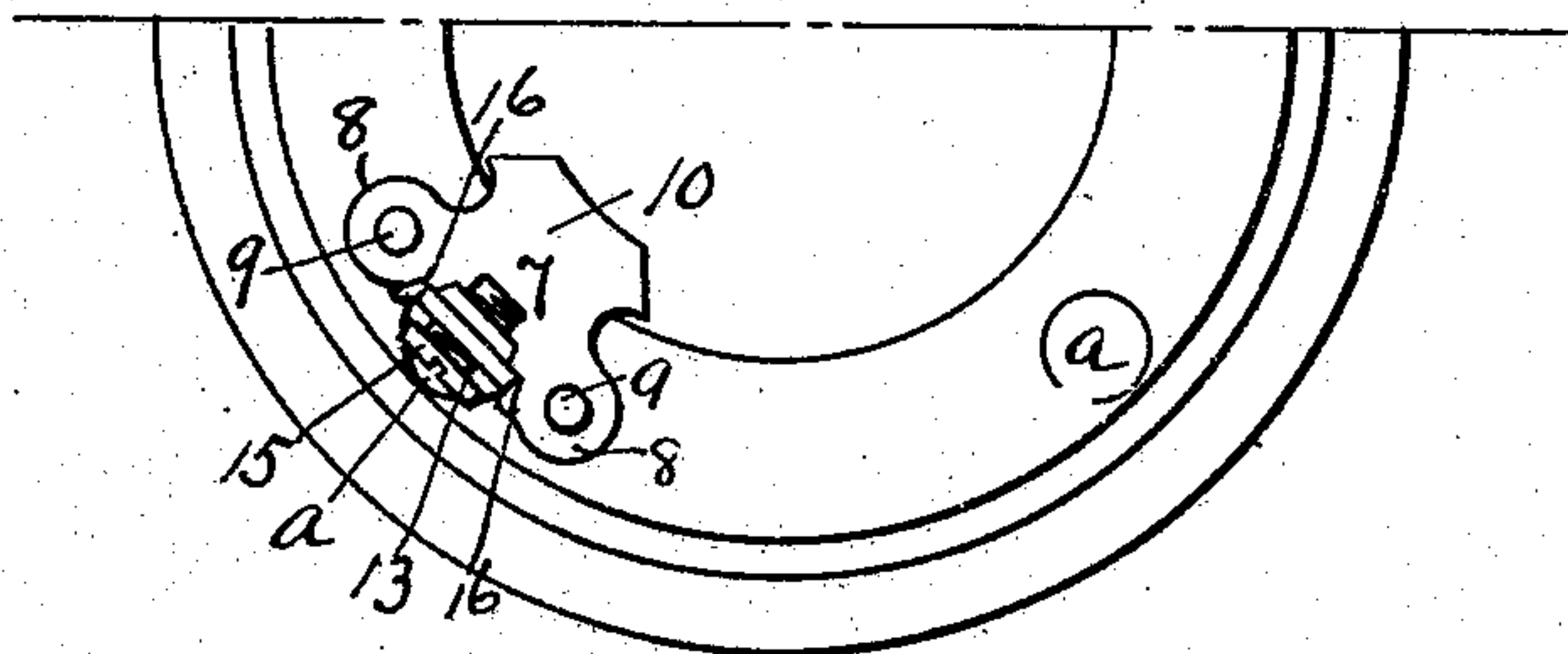
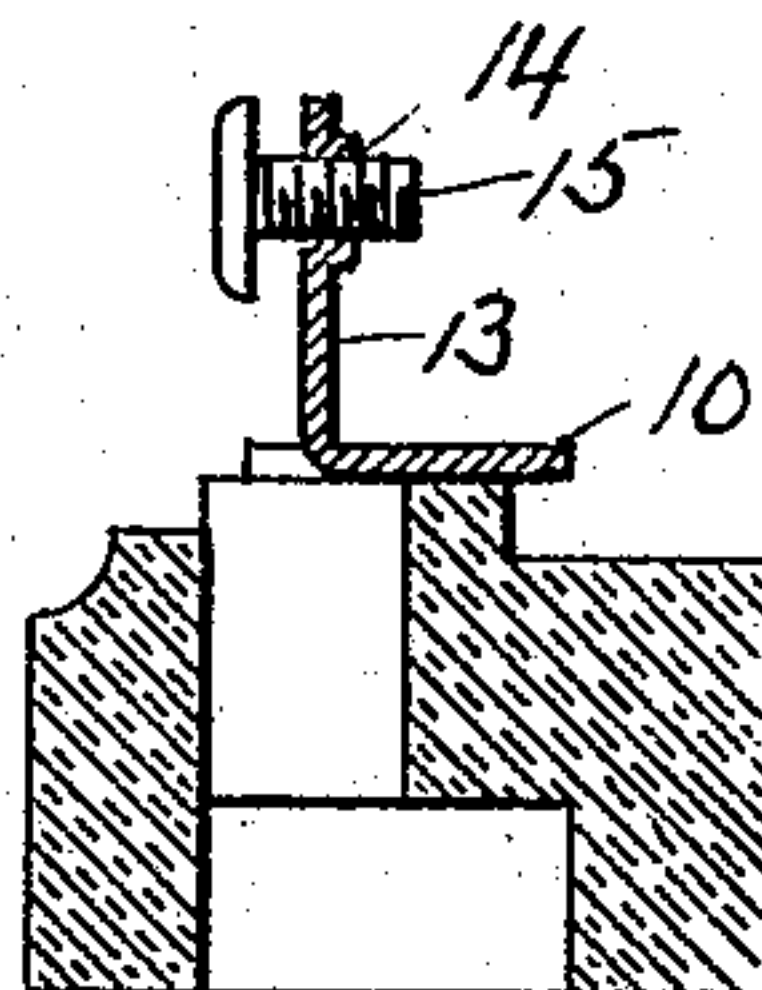


Fig. 3.



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.

ROTARY SNAP-SWITCH.

No. 924,609.

Specification of Letters Patent.

Patented June 8, 1909.

Application filed January 3, 1908. Serial No. 409,182.

To all whom it may concern:

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

The object of my present invention is to provide for rotary snap switches a simple form of binding post, which will permit the wires to be clamped under the head of the binding screw, and which can be employed with the present form of porcelain bases without requiring any change whatever in the latter.

In the accompanying drawings Figure 1 is a perspective view of a rotary snap switch base provided with my improved form of contact post; Fig. 2 is a plan view of part of such a base; and Fig. 3 is an enlarged sectional view.

In these views I have shown only sufficient of the insulating base and one contact post to illustrate my invention.

My improved contact 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. And in Fig. 1, I have illustrated a construction adapted for a double pole switch. In Fig. 1, the porcelain or other insulating base has in it upright openings *a, a*, for the free passage of the wires from the underside.

I form each of my improved binding posts of sheet metal stamped up to form a horizontal base piece 7 with two lateral ears 8, 8, having threaded openings to receive the usual securing screws 9, which are set in from the underside of the base. Between these side wings is the horizontally projecting contact blade 10, also on the base. Between the two ears 8, 8, is formed an upright plate 13, which at 14 is pierced, formed up and threaded to receive the substantially horizontal binding screw 15, set radially of the switch base and with the head of the screw outward, so that it will lie over the hole *a*, through which the wire is brought up from below.

The post is so formed that the ears 8, 8, project outwardly beyond the upright plate 13 so that the latter may not cover up the hole *a* but leave plenty of clearance for the passage of the wires. The bared ends of the wires are brought up through these holes *a* and wrapped around the stems of the screws 15, which are then screwed up to clamp them between the heads of the screws and the upright plates 13 and get good contacts, lugs 16 being provided to aid in mechanically holding the wires in place. It will be understood I have used the terms "upright" and "horizontal" only for convenience in describing the relative positions of the parts.

The described construction of contact and binding post can be applied in the present construction of insulating base without requiring any change whatever in the latter.

I claim as my invention

1. The combination of the insulating base of a rotary snap switch having holes for the passage of the wires, and having combined contact and binding posts, each comprising a base with lateral securing ears, a horizontally projecting blade on the base between said ears and an upright plate between the ears, carrying a substantially horizontal binding screw lying over the wire hole in the base and under the head of which the wires may be clamped.

2. The combination of the insulating base of a rotary snap switch, having holes for the passage of the wires and having combined contact and binding posts, each comprising a base with lateral securing ears, a horizontally projecting blade on the base between said ears and an upright blade between the ears, carrying a substantially horizontal binding screw, over one of the holes in the base, the ears projecting outwardly on opposite sides of the hole and beyond the upright plate, as and for the purpose described.

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

GILBERT W. GOODRIDGE.

Witnesses:

HUBERT HOWSON,
WILLIAM ABBE.