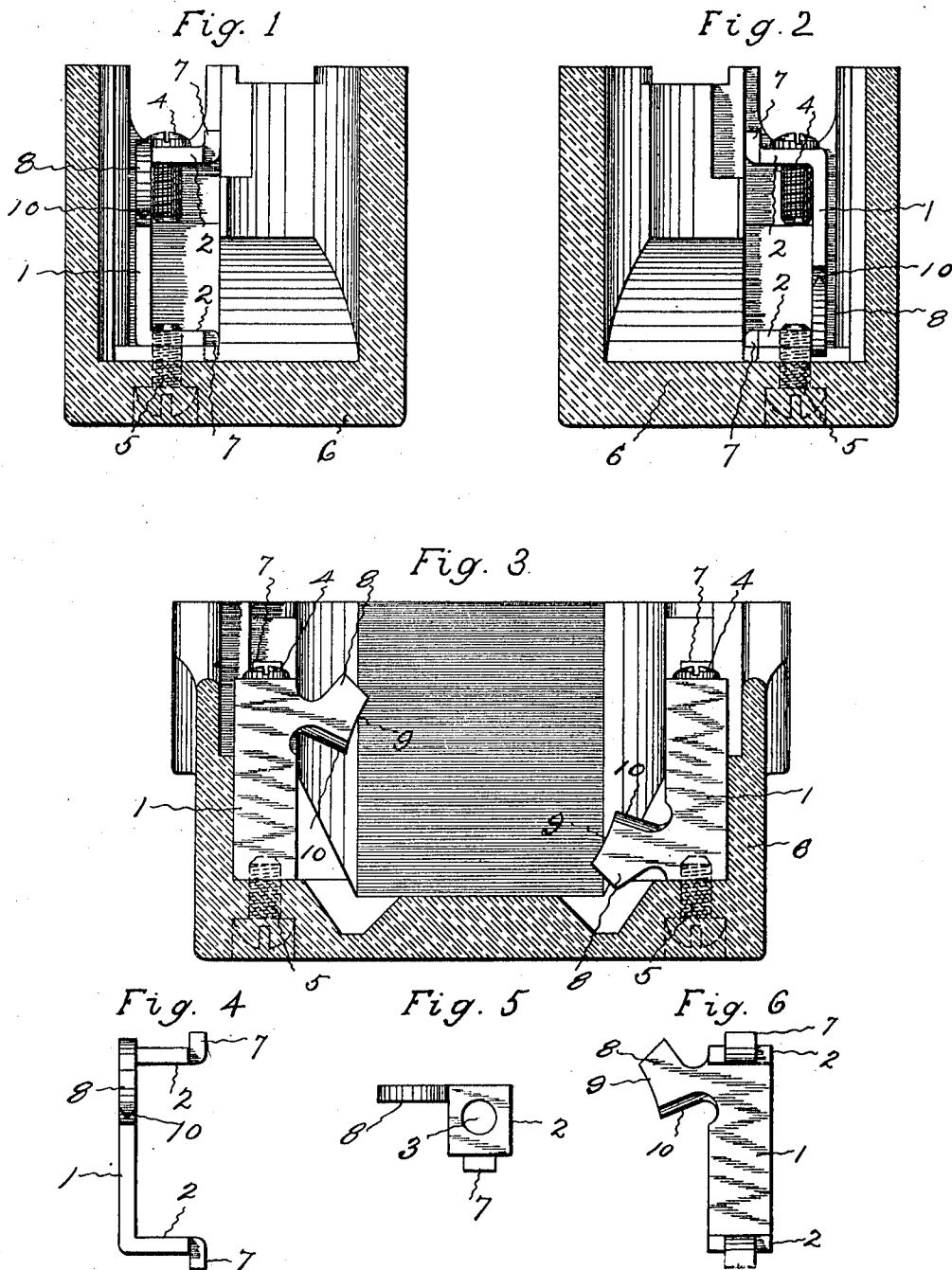


N. MARSHALL.
 TERMINAL FOR PUSH BUTTON ELECTRIC SWITCHES.
 APPLICATION FILED SEPT. 21, 1909.

954,448.

Patented Apr. 12, 1910.



Witnesses:
 Howard L. Schoon
 Josephine M. Strempfer

Inventor:
 Norman Marshall by
 Harry H. Williams
 atty.

UNITED STATES PATENT OFFICE.

NORMAN MARSHALL, OF WEST NEWTON, MASSACHUSETTS, ASSIGNOR TO THE ARROW ELECTRIC COMPANY, OF HARTFORD, CONNECTICUT, A CORPORATION OF CONNECTICUT.

TERMINAL FOR PUSH-BUTTON ELECTRIC SWITCHES.

954,448.

Specification of Letters Patent. Patented Apr. 12, 1910.

Application filed September 21, 1909. Serial No. 518,869.

To all whom it may concern:

Be it known that I, NORMAN MARSHALL, a citizen of the United States, residing at West Newton, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Terminals for Push-Button Electric Switches, of which the following is a specification.

This invention relates to the construction of a terminal, or stationary contact and binding post, of an electric push button switch.

The object of the invention is to provide a terminal with a contact-blade and binding post of approved type and efficiency, formed in a single piece in such manner that the same terminal may be used either for high contact or low contact in the receptacle of a push button switch.

Figure 1 of the accompanying drawings shows a transverse section of a push button switch receptacle provided with a terminal which embodies this invention. The terminal is shown as fastened in this section of the receptacle with the contact blade high. Fig. 2 shows a transverse section of a push button switch receptacle with a terminal which embodies this invention arranged with the contact blade low. Fig. 3 shows a longitudinal section of a push button switch receptacle with two terminals which embody this invention arranged therein, one being arranged with the contact blade high, and the other with the contact blade low. Fig. 4 shows an edge elevation of the terminal. Fig. 5 shows a plan and Fig. 6 shows a front view of the terminal.

This terminal is preferably stamped to shape of brass with a standard section 1. The ends 2 of the strip which forms the standard section are bent at right angles therewith. Each of the bent ends is provided with a threaded perforation 3, that at one end being adapted to receive the binding screw 4 for the attachment of the end of a circuit wire, and that at the other end being adapted to receive the fastening screw 5, by means of which the terminal is secured in the receptacle 6. Lugs 7 are bent at right angles with the tips of the ends for the purpose of preventing the circuit wire from sliding out from beneath the binding screw when that screw is being set down for fas-

tening the wire. The tips of the lugs at the lower ends of the terminals extend into recesses in the receptacle. Projecting from one edge near the end of the standard section of the terminal shown is the contact blade 8. This blade is desirably shaped with its inner edge 9 formed on the arc of a circle, the center of which will coincide with the axis of the movable poles or contact plates of the switch mechanism, and the end edge 10 is desirably beveled so that it will readily pass between the movable poles or contact plates when they are thrown thereon.

This terminal, which is punched from a single piece of conducting material, may be fastened one end up so as to provide for a high contact, or it may be fastened the other end up so as to provide for a low contact, as illustrated in the views. This construction enables a terminal to be made which will answer for either end of a push button receptacle without change of form, thus enabling large quantities to be produced very rapidly and cheaply with a single set of tools, and readily assembled without liability of placing a wrong contact in a receptacle.

The invention claimed is:

1. A terminal for an electric snap switch formed of a single piece of conducting material and having a standard section with the ends thereof bent at right angles thereto, each of said ends having a perforation therethrough, and a contact blade projecting from one edge of the standard section in the plane thereof.

2. A terminal for an electric snap switch formed of a single piece of conducting material having a standard section with the ends thereof bent at right angles thereto, each of said ends having a threaded perforation therethrough, and a contact blade projecting from one edge of the standard section in the plane thereof.

3. A terminal for an electric snap switch formed of a single piece of conducting material and having a standard section, with the ends thereof bent at right angles thereto, each of said ends having a threaded perforation therethrough, lugs projecting at an angle from the ends, and a contact blade projecting from one edge of the standard section in the plane thereof.

4. A terminal for an electric switch formed of a single piece of conducting material and having a standard section with the ends thereof bent at right angles there-
5 to, each of said ends having a threaded perforation therethrough, lugs projecting at an angle from the tips of the ends, and a contact blade projecting from the edge near one end of the standard section in the plane thereof.

NORMAN MARSHALL.

Witnesses:

M. A. MARTENS,
E. A. DANIELS.