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J. J. RATTAY

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DOUBLE POLE TWO-WAY PUSH-BUTTON SWITCH

Filed Feb. 18, 1922

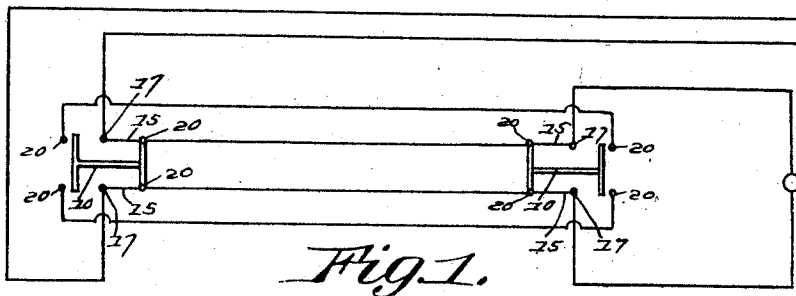


Fig. 1.

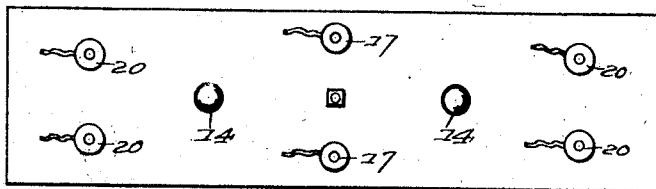


Fig. 2.

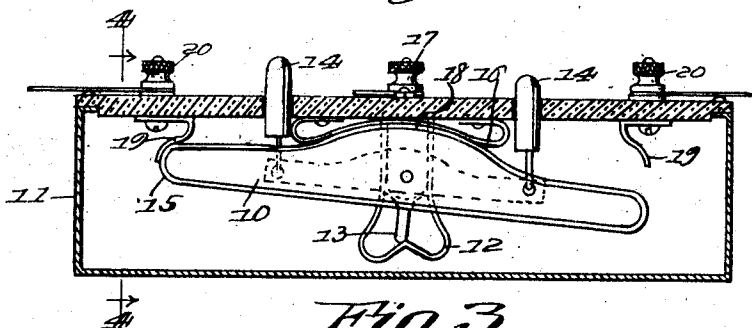


Fig. 3.

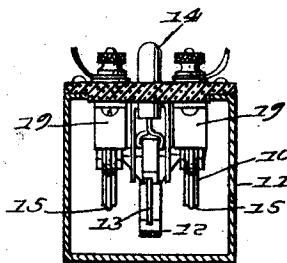


Fig. 4.

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DOUBLE-POLE TWO-WAY PUSH-BUTTON SWITCH.

Application filed February 18, 1922. Serial No. 537,481.

The object of the invention is to provide an efficient double pole two-way switch of the press button actuable type suitable for house lighting and analogous purposes to the end that the circuit may be opened or closed at a plurality of stations; and with this object in view the invention consists in a construction and combination of parts of which a preferred embodiment is shown in the accompanying drawings, wherein:—

Figure 1 is a diagrammatic view of the wiring illustrative of the purpose of the switch embodying the invention.

Figure 2 is a plan view of the switch mechanism.

Figure 3 is a longitudinal sectional view of the same.

Figure 4 is a transverse section on the plane indicated by the line 4—4 of Figure 3.

The switch embodies a rocker 10 arranged in a suitable housing 11 and controlled in position by a retaining spring 12 with which engages a full stroke pin 13. The rocker is actuable by push buttons 14 and is provided with a contact element 15 extending continuously around the periphery thereof for permanent engagement with the yielding contact elements 16 which are connected with the intermediate binding posts 17, by reason of the approximately concentric central portion 18 of the rocker. The terminal contacts 19 which are connected with the terminal binding screws 20 are adapted for alternate engagement by the portions of the contact element 15 which is carried by the rocker.

The arrangement described by which six poles are used, controlled as will be seen by reference to Figure 4, by the use of two rockers actuable simultaneously and in the same direction by the common push buttons and the six pole contact, as distinguished from the three pole switch, ordinarily employed in house lighting as affording a means for closing the circuit on different floors, has the advantage of breaking both sides of the line, whereas the conventional three-pole switch breaks but one side.

Having described the invention, what is claimed as new and useful is:—

A two-way double pole switch for house lighting having a plurality of simultaneously movable push button actuable rockers, terminal and intermediate contacts disposed in operative relation with each rocker which is provided with an intermediate approximately concentric portion engaged with the intermediate contact and having a circumferentially arranged contact element for engagement with the terminal contact, the rocker having a radial pin, and a spring looped around the rocker and bent at the loop to provide a hump traversed by the pin when the rocker is moved on its pivot to hold the contact elements of the rocker in engagement with either of said terminal contacts.

In testimony whereof he affixes his signature.

JOSEPH J. RATTAY.