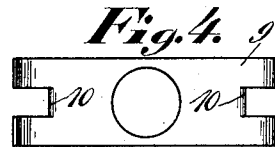
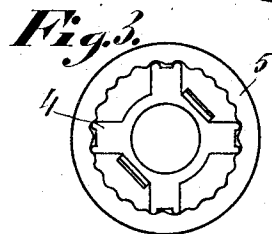
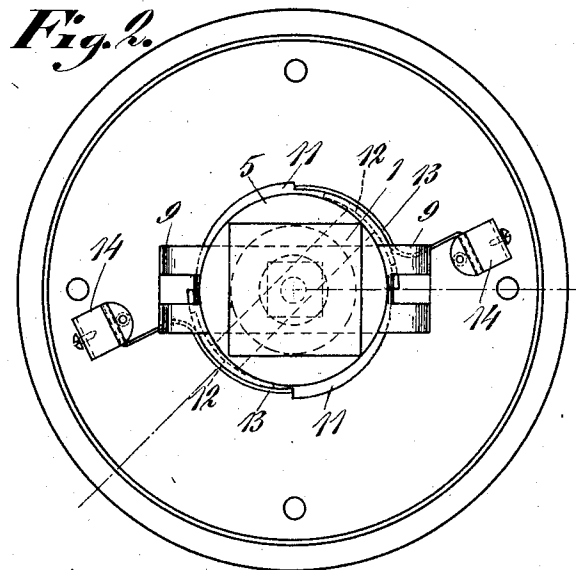
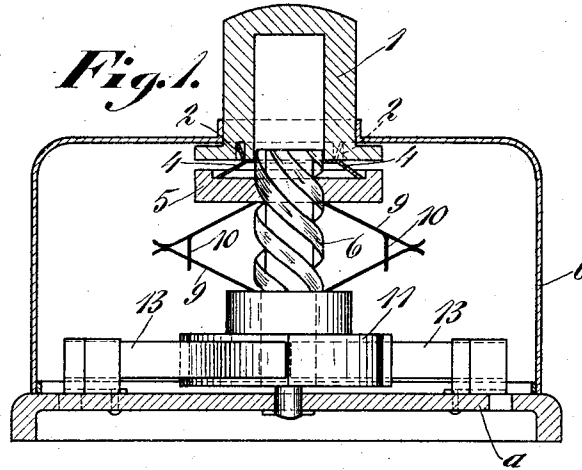


V. T. ÖHRSTRÖM.
ELECTRIC SWITCH.
APPLICATION FILED JUNE 18, 1920.

1,361,609.

Patented Dec. 7, 1920.



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ELECTRIC SWITCH.

1,361,609.

Specification of Letters Patent.

Patented Dec. 7, 1920.

Application filed June 18, 1920. Serial No. 389,904.

To all whom it may concern:

Be it known that I, VILHELM THEODOR ÖHRSTRÖM, a subject of the King of Sweden, and resident of Östgötagatan 27, Stockholm, in the Kingdom of Sweden, have invented certain new and useful Improvements in Electric Switches, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to a switch for electric circuits, which is so arranged, that by a first actuation of the button of the same the switch closes the circuit and by the subsequent actuation of the said button the circuit is broken and so on.

15 Figure 1 is a section of a switch arranged in accordance with this invention and Fig. 2 is a plan view of the same. Figs. 3 and 4 show details.

20 The push button 1 has a cylindrical cavity, which is so wide, that a screw spindle 6, pivoted to the base plate *a* of the switch, can move freely in the same. Outside the said button is square or so arranged, that it is unable to rotate in the opening provided for the same in the casing *b* of the switch. In the lower, somewhat enlarged plane end of the screw spindle recesses 2 are provided, in which a springy disk 4 is fixed. The said disk 4 is adapted to lock a nut 5, which is in screw-threaded engagement with the spindle 6 and is sustained by springs 9, in such manner, that by actuating the button 1 the springy disk 4, which is somewhat cup shaped, is spread and engages notches provided in the inner side of a flange provided on the nut 5.

40 The springs 9 are provided with holes for the screw-spindle 6. The ends of the top spring have flaps 10 bent downward and engaging holes provided in the lower spring, thus connecting the springs with one another.

After button 1 has been forced inward the same together with the disk 5 the returned 45 to their initial position by the springs 9. The pitch of the screw-threads of the spindle 6 is so adapted, that, as the button is forced inward for the full distance, the button rotates a contact disk 11, provided on 50 the lower end of the spindle 6, for a quarter of a revolution. The two opposite sides of the disk 11 are provided with oblique, inward extending slots in a vertical sense and so arranged, that the same through connection 55 under the contact disk 11 hold the contact strips 12 provided on each side of the disk 11.

The contact springs 13 are so located and so bent, that the springs, as the contact disk 60 is in its adjusted positions respectively, engage teeth provided on the disk and prevent the same from rotating backward. The sleeves 14 for the connecting wires are bent from sheet metal and the sliding contacts 65 13 are fixed in the same.

Having now described my invention, what I claim as new and desire to secure by Letters Patent is:

In a switch for electric circuits the combination with a slidable push button, of means preventing the button from rotating, a rotatable screw spindle, a contact disk carried by the same, a springy disk provided in the inner end of the button and adapted 75 to engage notches provided in a nut engaging the said screw-spindle, so that, as the button is forced inward, the nut is locked to the button and rotates the screw-spindle for a quarter of a revolution, while, as the button is released, the nut is disengaged and, as it returns, is rotated backward for a 80 quarter of a revolution.

In witness whereof, I have hereunto signed my name.

VILHELM THEODOR ÖHRSTRÖM.