

M. GUETT.
SWITCH HANDLE.
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1,047,935.

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Fig. 1.

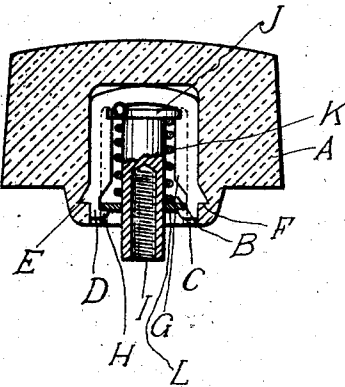
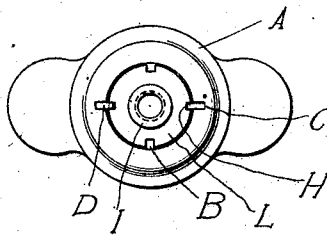


Fig. 2.



WITNESSES:

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SWITCH-HANDLE.

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To all whom it may concern:

Be it known that I, MONROE GUETT, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Switch-Handles, of which the following is a specification.

The object of this invention is to produce a porcelain handle for rotary and electric switches and for other analogous uses having features of novelty and advantage.

For many reasons a porcelain handle for use in connection particularly with electrical apparatus is very desirable both on account of its cost, its high insulating qualities and its appearance, but there have been very substantial difficulties in making handles out of this material, principally for the reason that owing to the great heat to which it is subjected in the process of treating and glazing it is impossible to mold metals into the porcelain.

By the herein described construction I am enabled to produce a porcelain handle which is very satisfactory.

In the drawings: Figure 1 is a central vertical section of the complete handle embodying my invention. Fig. 2 is a detail view of the yoke.

Referring to the drawings A denotes the body of the handle which is molded to shape from porcelain or like material and is provided with a recess B grooved in its end and side walls as at C to receive the spring yoke D which has projections E on the outside of each leg to engage recesses F in the body to prevent the withdrawal of the yoke from the body. The inner edges of the arms of the yoke project a trifle from the walls of the recess to form oppositely arranged guide ways G and the ends of the arms have the intumed projections H. The spindle holder I which is recessed and threaded to be screwed on to the spindle has a head J notched to receive the guide ways G which prevent the holder from turning and also guide it in its movement longitudinally of the handle. A spring K surrounds the holder resting on the underside of the head, and the holder and spring are held in place in the body by a washer L which is adapted to interlock with the projections H at the ends of the yoke and also acts to hold the

legs of the yoke spaced apart so that they cannot be accidentally collapsed and permit of the removal of the handle body.

It will be seen from the above that I have produced a simple and inexpensive structure which will permit of the use of a porcelain handle and of its association with and connection to a switch spindle in a convenient and satisfactory manner.

I do not wish to be understood as limiting myself solely to the use of porcelain for the body of the handle as the invention is susceptible of use with other materials and especially materials of the character and qualities of porcelain; also I have used terms descriptively and not by way of limitation.

I claim as my invention:

1. In a handle a body recessed in one side, a yoke located in said recess and having spring arms adapted to interlock with said body, a connector located in said recess and adapted to receive a spindle, said connector having sliding engagement with said yoke but held against rotary movement, a spring adapted to normally hold said connector against longitudinal movement, and means for retaining said connector and spring in position in the body.

2. In a handle a body recessed in one side, a yoke located in said recess and having spring arms adapted to interlock with said body, a connector located in said recess and adapted to receive a spindle, said connector having sliding engagement with said yoke but held against rotary movement, a spring adapted to normally hold said connector against longitudinal movement, and means for holding said yoke against disengagement from said body.

3. In a handle a body recessed in one side and having oppositely arranged longitudinal grooves connected by a transverse groove in the bottom of the recess, a yoke fitting in said groove having spring arms adapted to be snapped into interlocking engagement with said body, the arms of said yoke projecting slightly from the walls of said recess to form guide-ways, a connector sliding on said guide-ways, a spring to normally hold said connector against longitudinal movement, and a washer supporting said spring and holding said yoke arms in engagement with the body.

4. In a handle, a body recessed in one side, a yoke located in said recess and having spring arms adapted to interlock with said body, a connector located in said recess and adapted to receive a spindle, said connector being held against rotary movement by engagement of said yoke, and means for retaining said connector in position in the body.
- 10 5. In a handle, a body of porcelain recessed in one side, a yoke located in said recess and having spring arms adapted to interlock with said body, a connector located in said recess and in interlocking engagement with said spring arms to prevent the rotation of said connector, and means for

retaining said connector in position in the body.

6. In a switch handle a body recessed in one side, a yoke located in said recess, and having spring arms adapted to interlock with said body, a connector located in said recess and adapted to receive a spindle, said connector being engaged by said yoke to hold it against rotary movement, and means for retaining said connector in position in the body.

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Witnesses:

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