Sept. 21, 1926. 1,600,603

J. B. SCHWEGLER

ELECTRIC PUSH BUTTON

Filed July 14, 1925

Fig. 1.

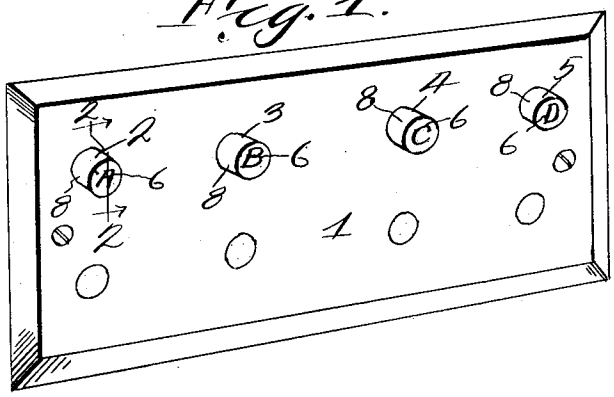


Fig. 2.

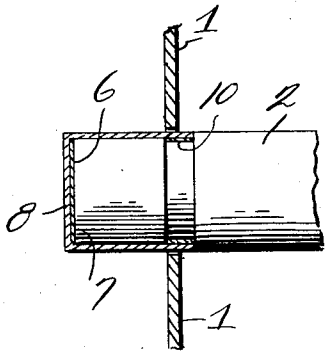
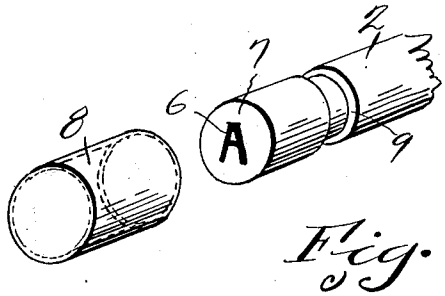


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN B. SCHWEGLER, OF MINDEN, IOWA.

ELECTRIC PUSH BUTTON.

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The invention relates to push buttons for electric switches, particularly the type used in houses wherein a plurality of buttons are carried by a single plate, and which buttons control the lights on the various floors in the house, and has for its object to provide buttons of this character with indicia, preferably letters for indicating the particular lights controlled by the button, and which indicia or letters are formed with luminous paint, or other material which will show in the dark, thereby making it possible for a person approaching the switch button in the dark to easily locate the desired switch button.

A further object is to provide a transparent cap entirely encasing the outer end of the button, thereby protecting the luminous material and at the same time allowing the same to be easily seen. Also to provide the button with an annular channel spaced from its forward end for the reception of an adhesive and sealing material for holding the transparent cap on the button and at the same time positively excluding air and moisture from the lumious paint, thereby preventing rapid deterioration of the luminous material.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:—

Figure 1 is a perspective view of a conventional form of switch plate showing the buttons applied thereto.

Figure 2 is a detail sectional view taken on line 2—2 of Figure 1.

Figure 3 is a detail perspective collective view of the push button parts.

Referring to the drawing, the numeral 1 designates a conventional form of push button switch plate, particularly of the character used in residences, and which plate is provided with a plurality of buttons 2, 3, 4, and 5 for controlling circuits in various positions in a house, for instance in the attic, bedrooms, cellar and the dining room, and which push buttons are provided with indicia 6, preferably in the form of letters for marking the various buttons so they can be easily seen in the dark, and which letters are placed on the outer ends 7 of the buttons with luminous paint or other material which will glow in the dark, consequently it will not be necessary for a person to memorize the particular circuit controlled by a particular button, and at the same time to immediately press the button in the dark.

In view of the fact that buttons of this character are in constant use it is obvious some protecting means must be provided for protecting the letters from dirt and deterioration and wear. To accomplish the above result a cylindrical cap 8 is provided which is formed from transparent material, such as clear celluloid, and which cap fits tightly over the outer end of the push button, and when in position the indicia 6 may be easily seen and at the same time is protected in a manner whereby the finger of a person operating the switch will not come into engagement with the luminous material. It has also been found where a luminous material is protected from air and moisture it will not rapidly deteriorate, and to accomplish this result the button 2 is provided with an annular channel 9 over which the inner end of the cap 8 extends, and in which channel the sealing material 10 is placed which adhesively joins the cap to the button, and at the same time forms an air and moisture tight connection, thereby thoroughly protecting the luminous material.

From the above it will be seen that indicating means is provided for electrical push buttons whereby they may be easily seen in the dark, and a cap is provided which will thoroughly protect the luminous

material from deterioration and damage, and at the same time exclude air and moisture from the luminous material.

The invention having been set forth what is claimed as new and useful is:—

The combination with the outer end of an electrical push button having luminous indicia thereon, of a transparent cap entirely housing the outer end of the button and indicia, an annular channel in said button and disposed within the cap and forming an annular chamber for sealing material whereby the cap may be sealed on the button.

In testimony whereof I hereunto affix my signature.

JOHN B. SCHWEGLER.