

H. T. SPERRY.
SWITCH PLATE.
APPLICATION FILED MAY 12, 1913.

1,131,093.

Patented Mar. 9, 1915.

Fig. 1.

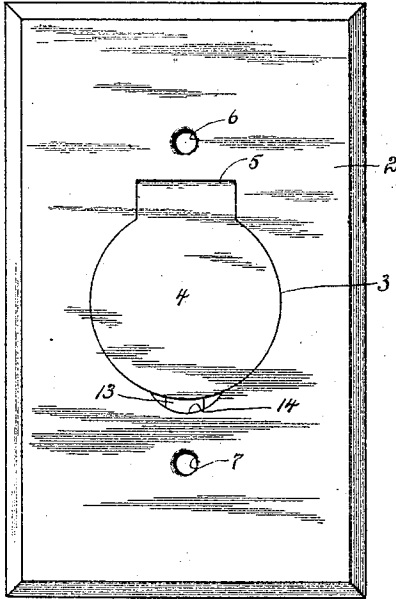


Fig. 2.

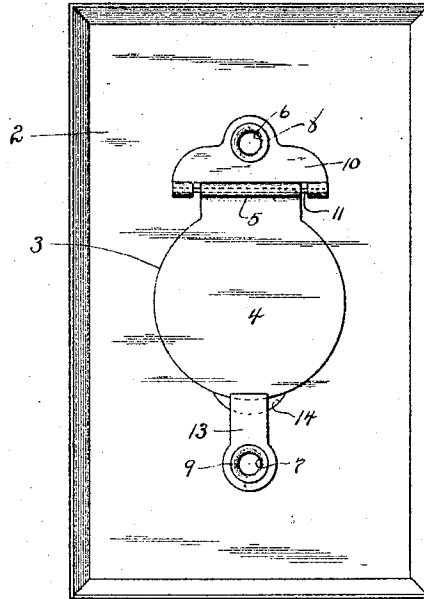
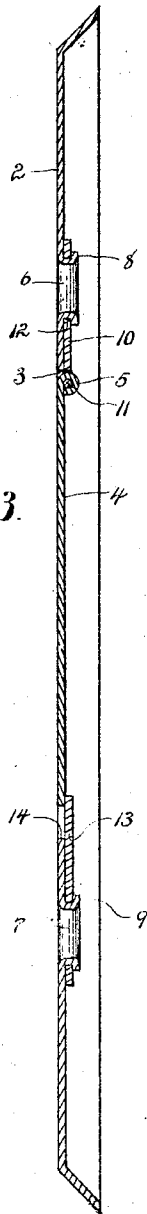


Fig. 3.



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UNITED STATES PATENT OFFICE.

HENRY T. SPERRY, OF WATERBURY, CONNECTICUT, ASSIGNOR TO WATERBURY MANUFACTURING COMPANY, OF WATERBURY, CONNECTICUT, A CORPORATION.

SWITCH-PLATE.

1,131,093.

Specification of Letters Patent.

Patented Mar. 9, 1915.

Application filed May 12, 1913. Serial No. 767,076.

To all whom it may concern:

Be it known that I, HENRY T. SPERRY, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Switch-Plates; and I do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Figure 1 a front view of a switch plate constructed in accordance with my invention. Fig. 2 a rear view of the same. Fig. 3 a vertical sectional view on an enlarged scale.

This invention relates to an improvement in plates for electric switches, and particularly to plates which are provided with a swinging cover or door, the object of the invention being to assemble or connect the door with the plate by a hinge without soldering or other expensive operation of milling; and the invention consists in the construction hereinafter described and particularly recited in the claims.

In carrying out my invention I have shown a single door receptacle switch plate, but it is obvious that double doors might be constructed in the same way.

In carrying out my invention I employ a plate 2 which may be struck up from sheet metal with a central opening 3 corresponding to the door 4 which is substantially circular with a knuckle 5 at its upper end. The plate is also formed with perforations 6, 7, formed by striking the metal inward so as to provide inwardly projecting collars 8, 9, around the perforations. The upper end of the door is connected to a hinge plate 10 by a pintle 11, and this hinge plate is formed with a perforation 12 through which the collar 8 may extend, and the inner end of the collar is upset over the plate so as to firmly attach the door to the switch plate 2. Connected with the collar 9 in the same way is a stop 13 which prevents the

door 4 from swinging inward, and preferably and as herein shown, the door plate will be formed with a finger-opening 14 below the door to facilitate opening the door by the finger. The perforations 6 and 7 provide screw holes by which the switch plate may be secured in position. It will thus be seen that the hinge is connected with the switch plate without soldering or other expensive operation of milling, and that the device may be formed from comparatively light metal and tension can be imposed by the hinge plate to cause the door to remain open when raised.

I claim:—

1. The combination with a switch plate formed from sheet metal with a central opening and a screw hole above said opening, the metal around said hole struck inward forming an inwardly extending integral collar, of a door adapted to close the central opening, and a hinge plate with which the upper end of the door is connected, said hinge plate formed with an opening to set over said collar by the upsetting of which the hinge plate is rigidly secured to the rear face of said switch plate.

2. The combination with a sheet metal switch plate formed with a central opening and with a screw hole above and a screw hole below said opening, the metal around said hole struck inward forming inwardly projecting collars, of a door adapted to close said opening, a hinge plate with which the said door is pivotally connected, said hinge plate formed with an opening adapted to set over the upper collar the upsetting of which rigidly connects said hinge plate to the rear face of the switch plate, and a stop set over the lower collar which is upset whereby the said stop is rigidly secured to the inner face of the switch plate.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

HENRY T. SPERRY.

Witnesses:

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