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SWITCH-BOX AND SUPPORT.

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To all whom it may concern:

Be it known that I, WILLIAM H. MALLERY, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Switch-Boxes and Supports, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to new and useful improvements in switch boxes and supports, therefor, and my object is to provide a device of this character which is simple and durable in construction, inexpensive to manufacture and one which is very efficient in practice.

A still further object of the invention resides in providing a box having a plurality of tongues or lugs formed thereon adapted to be engaged in slots or the like formed in supporting bars, and a still further object resides in providing a device so formed from a single sheet of material.

Still another object of this invention resides in the provision of a pair of angle supporting bars having slots therein at the junctions of the faces thereof adapted to receive the tongues formed on the aforesaid boxes.

With these and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claims.

In the accompanying drawing forming a part of this application, Figure 1 is a front elevation of the device; Fig. 2 is a top plan view thereof; Fig. 3 is a vertical section through the device as seen on line 3-3, Fig. 1; and Fig. 4 is a perspective view of my improved switch box.

In describing my invention, I shall refer to the drawing in which similar reference characters designate corresponding parts throughout the several views, and in which—1 and 2 indicate standards or portions of a framework spaced from one another and to which are secured the angle bars 3 and 4, said angle bars having the horizontally arranged faces thereof disposed inwardly and opposed to one another. The vertically arranged faces of said bars are provided with a plurality of openings 5 arranged at regular intervals throughout the length of the same to receive therethrough screws 6, whereby said bars may be readily secured at any point throughout their length to the framework. These angle bars are spaced one above the other and at points wherein the faces of the bars meet, are provided a plurality of slots 7 arranged at regular intervals throughout the length of said bars, the purpose of which will be hereinafter and more particularly described. These angle bars 3 and 4 are adapted to form supporting means for my improved switch box 8, which is formed of a single sheet of metal. The side walls 9 of this receptacle have the flanges 10 formed on the upper and lower edges thereof which are bent inwardly toward one another to form a partial top and bottom, respectively, for the device adjacent the forward portion thereof, while the rear wall 11 of the device has formed on the upper and lower edges thereof the flanges 12 and 13 respectively, said latter flanges being respectively bent over the flanges 10 forming the top and bottom of the device. These flanges 12 and 13 which complete the top and bottom of the receptacle, when properly folded over the flanges 10 are riveted, soldered or otherwise secured in position, as desired, and the free edges of each of the flanges 12 and 13 are provided respectively with upwardly and downwardly extending lugs 14, which are adapted to be disposed through the slots 7 of the supporting bars 3 and 4. The free edge of each of the flanges 12 and 13 is also provided with a central tongue 15, which tongues extend to the forward edges of the flanges 10, forming the front edges of the receptacle, and the tongue on the upper flange 12, is then bent upwardly, while the tongue on the lower flange 13, is bent downwardly to form the ears 16 and 17 respectively. These ears are also provided with the openings 18 therein whereby a switch may be engaged with the same and the flanges 12 and 13 are each provided with openings 19 to receive therethrough the cables 20, said latter openings having the peripheries thereof provided with prongs or otherwise corrugated, for obvious purposes.

As the bars 3 and 4 are provided with slots throughout the length thereof, it will be appreciated that such a switch box, as I have provided may be disposed at various points thereon, or a plurality of boxes may
be mounted thereon and it will also be understood that when the box is once positioned between the supporting bars, the same is not adapted for ready removal.

From the foregoing, it will be seen that I have provided a simple, inexpensive and efficient switch box and supporting means therefor, but while I have particularly described the elements most well adapted to perform the functions set forth, it is obvious that various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the principles of the invention.

Having thus described my invention, what I claim is:

1. A switch box comprising top, bottom, side and rear walls formed of a single sheet of material, the top and bottom being each formed of flanges extending from the side and rear walls of the box, means formed on the flanges of the rear walls for engaging a supporting means, and additional means formed on said last mentioned flanges for holding a switch.

2. The combination with a pair of angular supporting bars spaced one above the other, said bars being provided with slots at the intersection of the faces thereof; of a box, the top and bottom of which is each provided with integral lugs adapted to be engaged with the slots of said supporting bars to secure said box therebetween.

3. A switch box formed of a single sheet of material, the top and bottom of which is each formed from abutting flanges of the side walls and an overlapping flange of the rear wall, the outer free ends of the flanges of said rear wall having laterally extending lugs formed thereon adapted to engage a supporting means, and tongues also formed on the free edges of said last mentioned flanges, said tongues extending to the forward edges of the aforesaid abutting flanges of said side walls and bent laterally at such points.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

WILLIAM H. MALLERY.

Witnesses:

J. J. HENNESSY,
HERMAN BRANDMILLER, JR.