

No. 702,247.

Patented June 10, 1902.

J. H. RUSBY.

ADJUSTABLE SWITCH OR OUTLET BOX.

(Application filed Dec. 23, 1901.)

(No Model.)

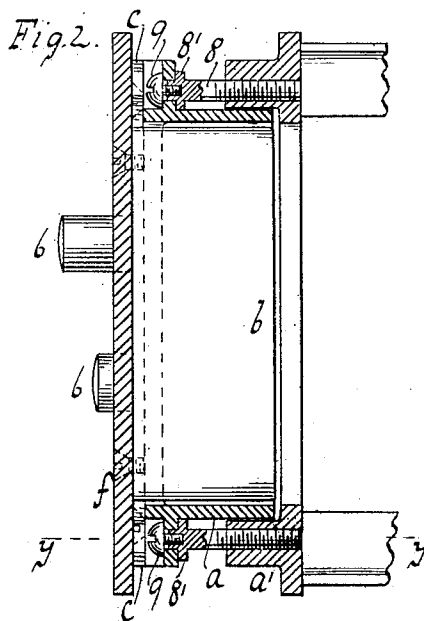
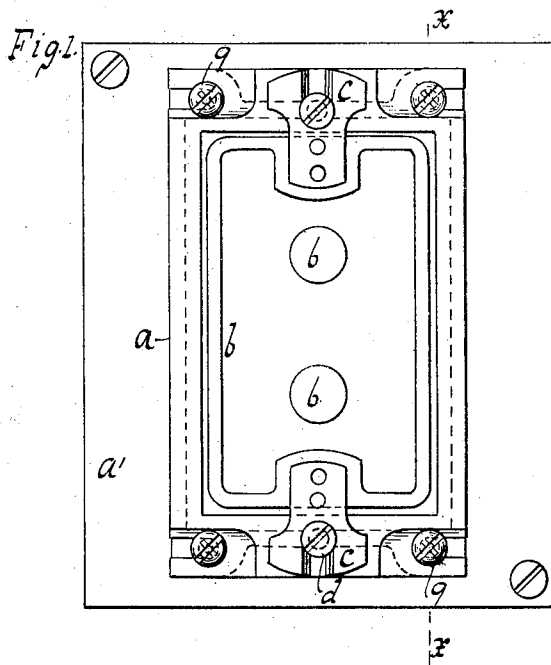


Fig. 4.

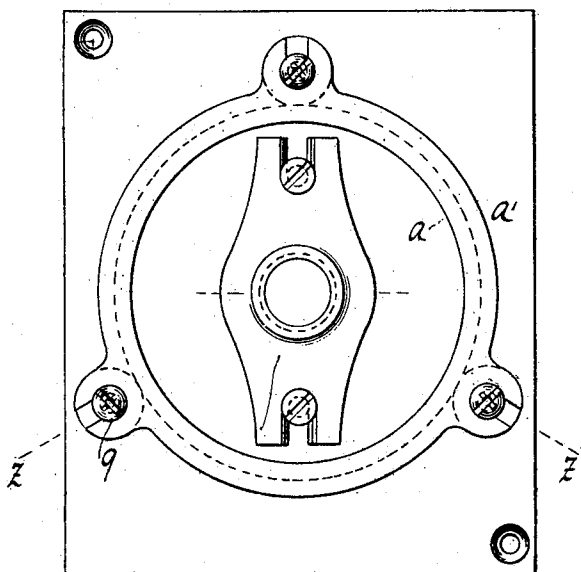
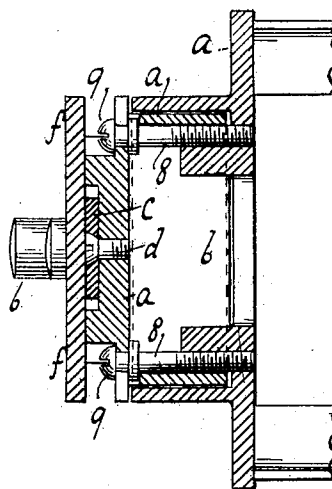
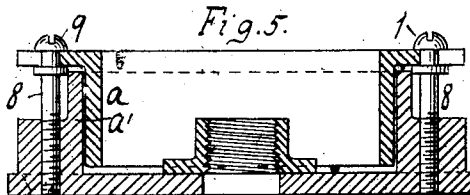


Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOSEPH H. RUSBY, OF NUTLEY, NEW JERSEY.

## ADJUSTABLE SWITCH OR OUTLET BOX.

SPECIFICATION forming part of Letters Patent No. 702,247, dated June 10, 1902.

Application filed December 23, 1901. Serial No. 87,009. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH H. RUSBY, a citizen of the United States, residing at Nutley, in the county of Essex and State of New Jersey, have invented new and useful Improvements in Adjustable Switch or Outlet Boxes, of which the following is a specification.

By means of this invention adjustments such as are at times required in electric work can be attained without risk of unduly exposing such parts as wires or switches or risking the violation of rules prescribed by boards of fire underwriters.

The invention is set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a plan view of a box and switch with the cover removed. Fig. 2 is a section along *x x*, Fig. 1. Fig. 3 is a section along *y y*, Fig. 2. Fig. 4 shows a modified form of box. Fig. 5 is a section along *z z*, Fig. 4.

In the drawings is shown an example of applying this invention in connection with a switch. A support or outlet-box is shown at *a*, and a switch, or rather switch frame or body, at *b*. These latter are frequently made of such material as porcelain, which is a satisfactory insulator. These switches generally have a cover or covering-plate *f*, and suitable lever or handle mechanism—as, for example, buttons *g*—are employed to work the switch. The details of the switch are not shown, as they form no part of this invention. The part *a* can be considered as a part or section of a box or support, the other part of which is indicated at *a'*. The part *a* is adjustable or telescopes in and out of part *a'*. The section *a'* being suitably tapped, the screws 8 can be inserted into such taps. The section *a* or its upper or flange portion is made to rest on suitable shoulders or supporting-flanges 8', formed on or secured to the leveling-screws 8. As these screws 8 are turned one way or another to run into or out of their taps in section *a'* the telescoping section *a* is carried into or out of section *a'*. The switch *b* having suitable connection or support on section *a*, such as lugs *c* and screws *d*, the setting or leveling of section *a* is imparted to the switch. The section *a* having slotted seats or connec-

tions for screws 8, this section can not only be leveled by the screws, but can also be shifted laterally or torsionally a certain extent to allow of what may be called “universal” adjustment within certain limits.

In case the switch is connected to section *a* by lugs, as shown at *c*, the tops or heads of screws 8 should be sunk low or set in a recess of section *a*, so that if lugs *c* extend laterally to or beyond screws 8 these lugs will pass over but will not touch or strike against the screws.

In addition to adjusting the screws 8 may have means for binding or fixing, so that when adjusted as required the switch or device will not be accidentally displaced. A binding arrangement can be formed by having the screws 8, or one or more of them, tapped for the reception of a second screw 9. While turning screw 8 the screw 9 is removed, so as to give a screw-driver or tool access to screw 8, the latter being suitably notched or prepared for the engagement of a tool. When the screw 8, with section *a*, has been set to required position, the screw 9 is inserted into the tap and run home, so that the head of screw 9, coacting with shoulder 8', will grip the top or flange of section *a* and prevent accidental rotation of screw 8. A satisfactory binding or fixing can thus be attained.

The outline of support *a* can be rectilinear, Fig. 1, or curved, Fig. 4, or any suitable shape.

Three screws 9, applied as shown in Fig. 4, will enable adjustment or leveling of the telescope or bushing *a* to be effected.

The lid *f*, Fig. 2, can be secured by screws run into suitable taps, for example, in the lugs *c*, and these lugs *c* are screwed or suitably secured to the porcelain or bottomless shell *b*, as already known in the art.

What I claim as new, and desire to secure by Letters Patent, is—

1. A switch box and support, comprising a plurality of adjustable sections one of which is provided with slots, adjusting or leveling screws between said sections extending through said slots, and means for locking said screws against rotation, the said slots providing for the lateral or torsional adjustment of said sections.

2. A switch box and support, comprising a

plurality of telescopic sections, and leveling-screws between the same, one of said sections being provided with slots through which said screws pass, to allow a lateral or torsional adjustment.

5 3. A switch box and support, comprising a plurality of sections, one of which is fixed, and the other of which is adjustable within the same, a switch-supporting frame secured to, and adjustable or movable with, the adjustable section, and leveling-screws fitting within corresponding taps in the fixed section, and provided with shoulders against which the adjustable section bears.

10 4. A switch box and support, comprising a fixed section, an adjustable section having outwardly-extending lugs thereon, leveling-screws fitting corresponding taps in the fixed section, extending into said lugs, provided with shoulders bearing thereon, and a switch-

supporting frame carried by the adjustable section.

5. A support comprising sections combined with tapped adjusting-screws and binding or fixing screws adapted to engage the taps substantially as described. 25

6. A support comprising a section, shouldered screws carried by the section, a second section supported on the screw-shoulders, and binding-screws adapted to act with the shoulders for clamping or securing the second section, substantially as described. 30

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOSEPH H. RUSBY.

Witnesses:

CHAS. E. POENSGEN,  
E. F. KASTENHUBER.