

1,058,851.

Fig. 1.

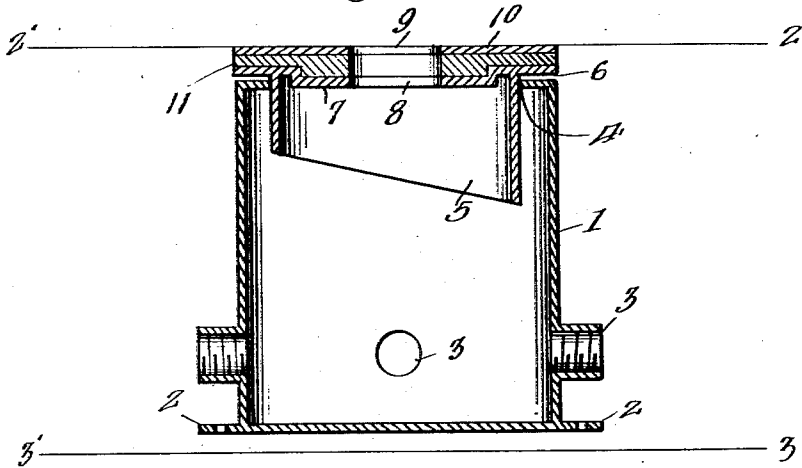


Fig. 2.

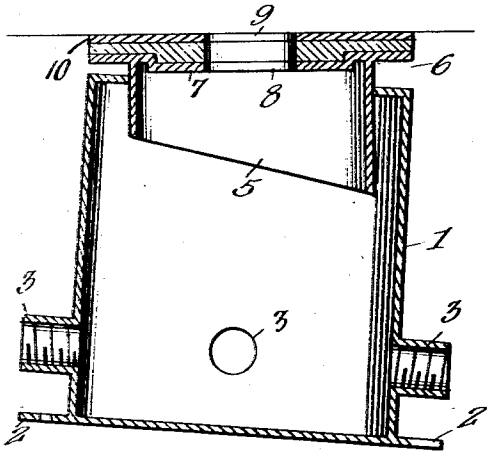


Fig. 3.

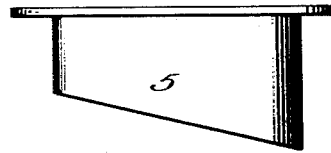


Fig. 4.

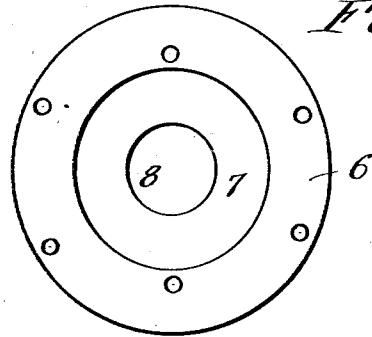
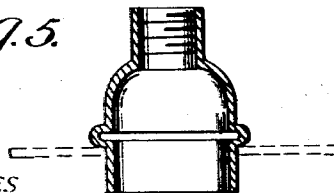
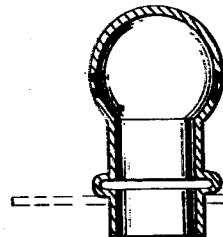


Fig. 5.



WITNESSES
G. M. Spring.
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Fig. 6.



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UNITED STATES PATENT OFFICE.

OMER F. DUBRUIEL, OF DULUTH, MINNESOTA.

SELF-ADJUSTING OUTLET-BOX.

1,058,851.

Specification of Letters Patent.

Patented Apr. 15, 1913.

Application filed January 4, 1912. Serial No. 669,364.

To all whom it may concern:

Be it known that I, OMER F. DUBRUIEL, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented new and useful Improvements in Self-Adjusting Outlet-Boxes, of which the following is a specification.

My invention relates to outlet boxes.

10 An object of my invention is to provide a box of the above type which is self adjusting.

It is well known in this art that the outlet boxes which are now commonly used have 15 proven unsatisfactory. One great difficulty is that after the box has been embedded in concrete or the like and the concrete hardens, and shifts slightly, the box fails to give with the concrete and is often broken. 20 Again if the box is merely secured to the framework of a house and the house shifts or settles the box fails to give and very often it is broken.

One great object a workman has in view 25 during the installation of an outlet box is to keep the same water-proof that is all the joints thereof are to be so secured as to prevent any leakage. When the boxes that have been heretofore devised shift a little, 30 many of these joints are broken if the box is not broken itself.

It is my object to overcome the above mentioned difficulty and to provide an outlet box which is self adjusting and one 35 wherein a water-tight joint is maintained at all times.

Another object of my invention is to provide an outlet box which is simple in construction and one which can be manufactured at a very low cost. 40

With the foregoing and other objects in view, my invention consists in such details of construction and in the arrangement and combination of parts as will be hereinafter 45 fully described and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like 50 or corresponding parts throughout the several views, and in which:—

Figure 1 is a vertical sectional view of my improved outlet box. Fig. 2 is a vertical sectional view of my box showing the same 55 slightly shifted. Fig. 3 is a side elevation

of a detail. Fig. 4 is a top plan view of a detail. Fig. 5 is a vertical sectional view of what is known as a bell-nozzle. Fig. 6 is a vertical sectional view of what is known as a drip-nozzle.

In the drawings the line 2—2 indicates the surface of a floor and the line 3—3 indicates the upper surface of the ceiling. 60

I preferably dispose my outlet box between the floor and the ceiling of the room 65 below, but I do not limit myself to this specific disposition, and desire it to be understood that the same may be used and disposed in many other different positions.

1 designates the body portion of my outlet box the same being provided with the 70 annular flange 2 at the lower sides thereof. I further provide the box 1 with the internally screw threaded sleeves 3 which are adapted to receive electrical conduits (not 75 shown). The box 1 is further provided at its upper end with the opening 4, which opening is adapted to receive the downwardly projecting collar 5 of the annular disk 6. For a purpose that will be herein 80 after fully described, the disk 6 is provided with the struck down portion 7. The struck down portion 7 is provided with the opening 8, which opening is adapted to register with an opening 9 which is formed 85 within a plate 10 which plate is secured to the surface of a floor as by means of screws or otherwise (not shown). I dispose between the plate 10 and the disk 6, a gasket 11, for an obvious purpose. 90

It will be readily seen from the foregoing that the box 1 is allowed to move upon the collar 5 in such a manner as to always maintain a perfect connection therewith. It will also be readily seen that a box can not only 95 be adjusted from side to side but can be also adjusted vertically.

In Figs. 5 and 6 I have illustrated different forms of nozzles which are commonly known connected with outlet boxes. Either 100 form of these nozzles may be used, I not limiting myself to either.

I desire to lay great stress upon the simplicity of my device and it is thought that the advantages and novel features of the 105 device will be readily appreciated from the foregoing disclosure.

I desire it to be understood that I may make slight changes in the construction and in the arrangement and combination of parts 110

without departing from the spirit of my invention, provided such changes fall within the scope of the appended claims.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. An outlet box device of the class described comprising first and second members through which circuit wires pass, a separate fastening means for each of said members, one of said members having a part loosely and freely extending into the other member when fastened, whereby the parts can move relatively.

2. An outlet box device of the class described comprising first and second members through which circuit wires pass, one of said members having a part loosely and freely extending into the other member so that said members can move relatively when desired, and a separate fastening means for each of said members whereby each of said members is attachable to separate parts.

3. An outlet box device of the class described comprising first and second members through which circuit wires pass, means to attach the first member to a support and said first member having a projecting member extending loosely and freely into the sec-

ond member, whereby the said members may be moved relatively when fastened, the second member having a flange by means of which attachment may be made to a support separate from the support for the first member.

4. An outlet box device of the class described comprising first and second members through which circuit wires pass, said first member comprising a hollow box open at one end and having an inlet opening for circuit wires, said box also having a flange by means of which it may be attached to a support, said second member comprising a disk to loosely rest on the box, a collar extending from said disk and into the box loosely and freely at its open end, said disk and collar connection permitting the members to move relatively when fastened, said disk between the wall of said collar provided with an opening for circuit wires, and means to attach said disk to a support separate from the support to which the first member is attached.

OMER F. DUBRUIEL.

Witnesses:

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G. A. MORIN.