

No. 699,381.

Patented May 6, 1902.

J. M. G. FULLMAN.

OUTLET BOX FOR ELECTRIC WIRES AND CONDUITS.

(Application filed May 16, 1901.)

(No Model.)

Fig. 1.

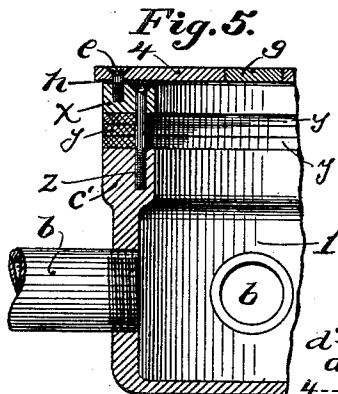
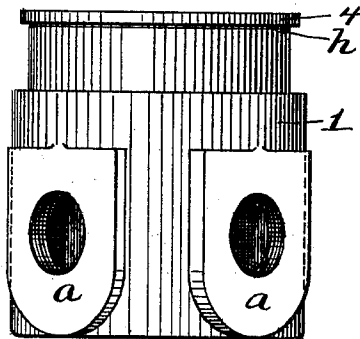


Fig. 2.

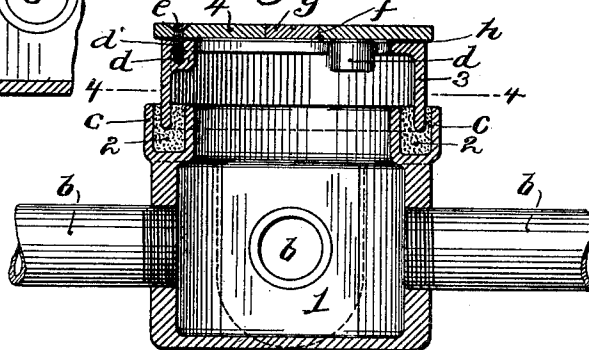


Fig. 3.

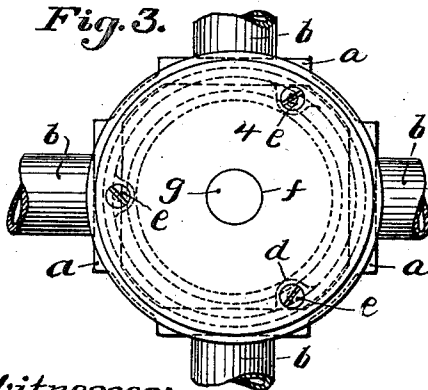
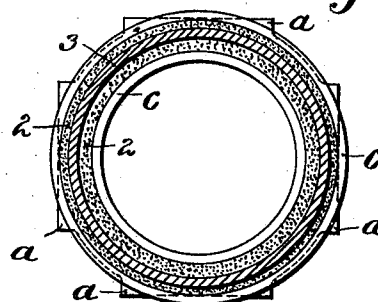


Fig. 4.



Witnesses:

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by *John H. Roney*
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UNITED STATES PATENT OFFICE.

JAMES M. G. FULLMAN, OF PITTSBURG, PENNSYLVANIA.

OUTLET-BOX FOR ELECTRIC WIRES AND CONDUITS.

SPECIFICATION forming part of Letters Patent No. 699,381, dated May 6, 1902.

Application filed May 16, 1901. Serial No. 60,542. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. G. FULLMAN, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Outlet-Boxes for Electric Wires and Conduits, of which the following is a specification.

My invention relates to floor boxes or cases to receive electric conduits and wires at the point at which they are brought in compartments of buildings on the floor-level.

The object of my invention is to produce a perfectly water-tight floor outlet-box for electric wires and conduits, the top of which may be adjusted to the exact plane of the floor regardless of whether the box itself is in exact horizontal position or not; and it consists in other novel features of construction herein-after described, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 indicates an elevation of my improved water-tight floor outlet-box; Fig. 2, a sectional elevation of the same; Fig. 3, a plan view of the same; Fig. 4, a section through the ring on a plane with the top of the box, and Fig. 5 a sectional elevation of a modified form of my device.

Referring to said drawings, 1 is a floor outlet-box for electric wires and conduits, having bosses *aa*, in which pipe connections *bb* may be suitably secured. The upper end of said box terminates in or is provided with a deep groove or channel *c*, for the reception of the lower end of the ring 3, which, when so adjusted as hereinafter set forth as to enable the top plate 4 which closes the box to conform with the plane of the floor regardless of whether the box is exactly horizontally disposed or not, is sealed in said channel *c* by pouring a plastic mass of sulfur compound 2 or other suitable material in said channel and around the bottom of said ring, producing a water-tight joint at such point. The top plate 4 is secured to the ring 3 by means of screws *e*, the said ring having lugs *d*, in which are formed threaded orifices for the reception of said screws. The said cap or plate 4 is provided with a centrally-disposed orifice *f*, adapted to be closed

by the plug *g*, the said orifice being for the purpose of enabling the electric wires or conductors to be extended or drawn into rooms or compartments of buildings. A rubber gasket *h* is interposed between said cap and the upper end of the ring to make a tight joint at such point.

In the modification of my device shown in Fig. 5 I dispense with the deep groove or channel formed around the top of the box, forming the same solid, and interpose between the same and the ring *x*, which is of less depth than that shown in the remaining figures of the drawings, a series of gaskets *y y* of rubber or other compressible material. The upper end or rim *c'* of the box is of greater cross-section than the lower section thereof, as shown in said modification, and is provided with threaded orifices for the reception of the threaded bolts *z* for the purpose of fastening the plate, ring, and box, the gaskets interposed between the ring and top of the box, as shown, forming a joint that enables the top to be adjusted vertically and horizontally by varying the pressure upon different portions of the interposed compressible gaskets.

In the application of my improved floor outlet box a perfectly water-tight device is secured, and the cap or plate closing the same can be adjusted to the plane of the floor vertically and horizontally without difficulty and regardless of whether the box is in exact horizontal plane or not. In the application of my device shown in Figs. 1 to 4, inclusive, the ring is lowered into the groove of the box and held therein in such position as to bring the plate or cap in an exact horizontal plane with the floor. The composition is then poured into the channel, wherein it hardens and forms a water-tight joint. In the modification shown in Fig. 5 this is accomplished by compressing the gaskets sufficient to bring the cap in plane with the floor and to adjust the cap horizontally with the floor. The gaskets beneath one side may be required to be more compressed than on the other side.

The plug *g* and screws *e* are preferably made of brass.

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

1. A water-tight floor outlet-box for electric wires comprising a stationary box and a cap to close the same adapted to be adjusted with reference to the floor-level vertically and
5 horizontally.

2. A water-tight floor outlet-box for electric wires comprising a stationary box, a cap or plate to close the same, and means interposed between the box and plate to seal the
10 space between the same and at the same time permit the plate to be adjusted to the floor-level both vertically and horizontally independently of the box.

3. A water-tight floor outlet-box comprising a box, having around the rim thereof a deep channel or groove, a ring the lower rim of which is adapted to be adjusted in said
15 channel to conform with the floor-level, a cap or plate adapted to be secured to said ring, in combination with a plastic compound adapted to be charged into the channel of the box
20

around the lower rim of the ring to form a water seal at such point.

4. A water-tight floor outlet-box comprising a box, having a deep channel or groove
25 around the rim thereof, a ring the lower rim of which is adapted to be adjusted in said channel to conform with the floor-level, a cap or plate adapted to be secured to said ring, a gasket interposed between said cap and ring,
30 in combination with a plastic compound adapted to be charged into said channel of the box around the lower rim of the ring to form a water seal at such point.

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

JAMES M. G. FULLMAN.

Witnesses:

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