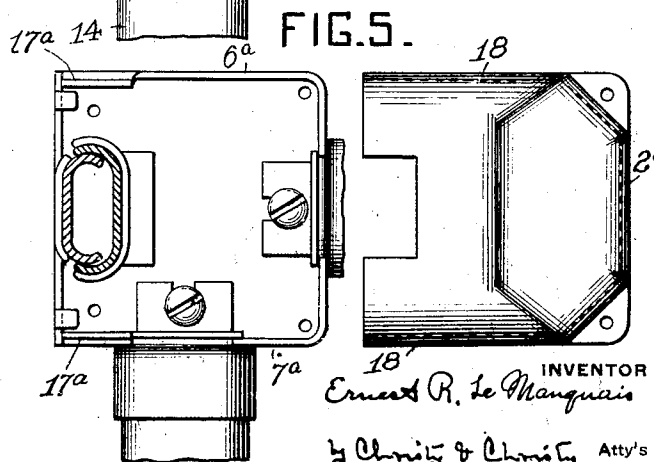
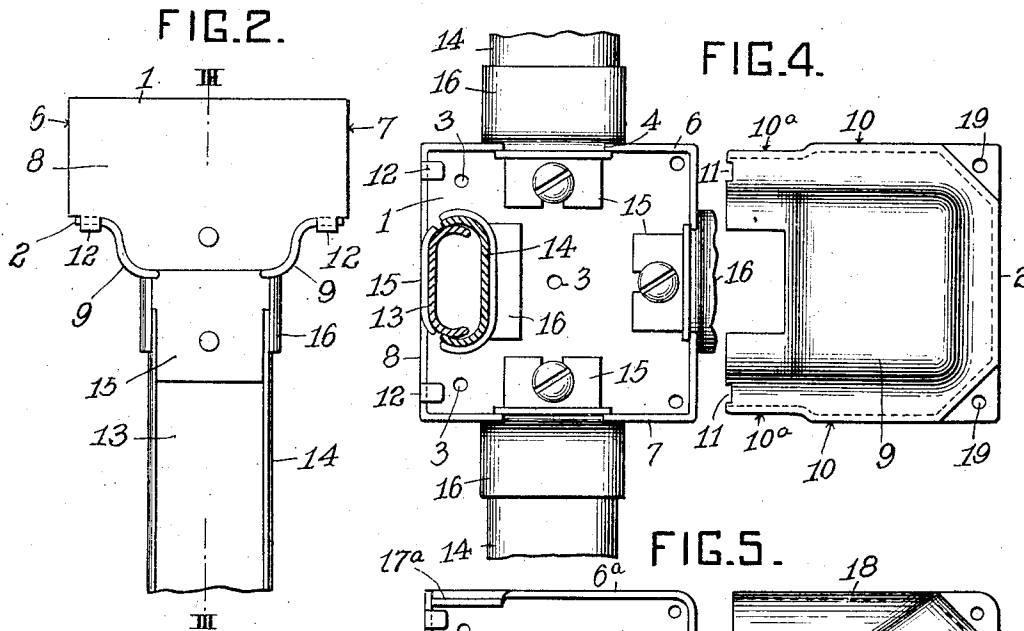
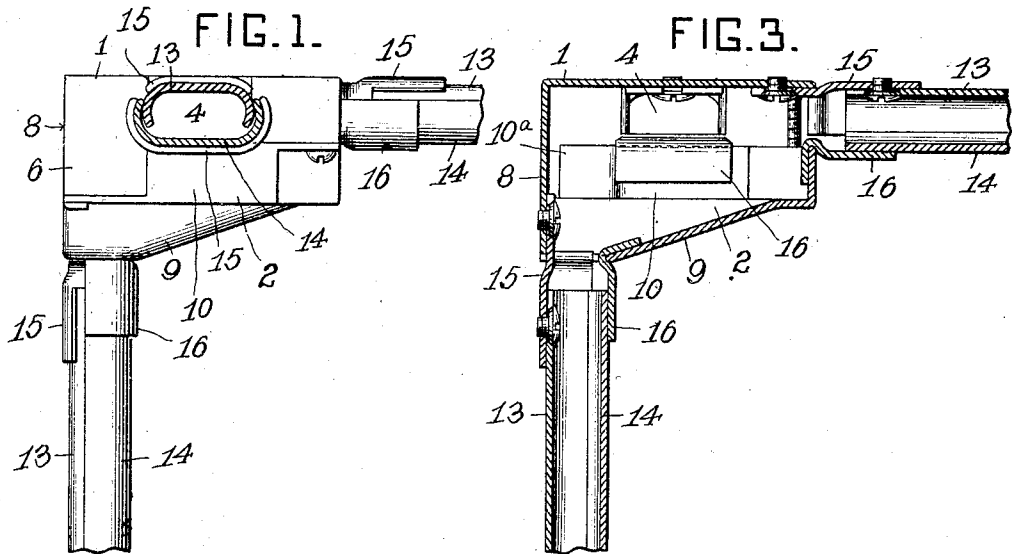


E. R. LE MANQUAIS.
JUNCTION BOX FOR ELECTRICAL CONDUITS.
APPLICATION FILED APR. 26, 1911.

1,049,375.

Patented Jan. 7, 1913.



WITNESSES:

J. Herbert Bradley
Francis J. Tomasson

INVENTOR
Ernest R. Le Manquais
by Christie & Christie Atty's

UNITED STATES PATENT OFFICE.

ERNEST R. LE MANQUAIS, OF FAIROAKS, PENNSYLVANIA, ASSIGNOR TO NATIONAL METAL MOLDING COMPANY, A CORPORATION OF PENNSYLVANIA.

JUNCTION-BOX FOR ELECTRICAL CONDUITS.

1,049,375.

Specification of Letters Patent.

Patented Jan. 7, 1913.

Application filed April 26, 1911. Serial No. 623,419.

To all whom it may concern:

Be it known that I, ERNEST R. LE MANQUAIS, residing at Fair Oaks, in the county of Allegheny and State of Pennsylvania, a citizen of the United States, have invented or discovered certain new and useful Improvements in Junction-Boxes for Electrical Conduits, of which improvements the following is a specification.

It is the object of the invention to produce a junction-box which will be of a neat and durable construction, which will not necessitate an abrupt bending of the conductors, and the cover of which may be easily removed and replaced without disturbing the conduits connected to the box.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of a box embodying one form of the invention, shown used as a corner-box at the junction between the ceiling and wall of a room; Fig. 2 is a rear elevation; Fig. 3 is a sectional elevation on the line III—III of Fig. 2; Fig. 4 is a plan view of the interior of the box, the cover being shown at the right; and Fig. 5 is a plan view of the interior of an alternate form of box, the cover being shown at the right.

The box consists essentially of a body portion 1 and a cover 2, as shown in Figs. 1, 2, 3 and 4, the body being secured to the wall and ceiling by screws inserted in holes 3 provided for that purpose. The apertures 4 for the conduits are suitably formed in the walls of the body, preferably by twist-out sections, such sections consisting of areas partially cut from the box wall so that they may be easily twisted out by means of a pair of pliers. And it is preferred that the apertures 4 shall be so formed that the edge of the cover, when applied shall form one wall of the aperture and bear against the inserted conduit-member. The rear wall 8 of the box, and the portions of the side walls 6 and 7 adjacent thereto, are materially deeper than the other wall portions, so that the conductors may be placed in the box without bending them abruptly. For the latter purpose also the face of the cover 2 is bulged outwardly, as indicated at 9.

As shown in Fig. 4, the inner portions of the side walls 10 of the cover are preferably

bent inwardly as shown at 10^a, to fit within the deeper rear portions of the walls 6 and 7 of the body, and the inner edge of the cover is also preferably slightly slotted as shown at 11, in order to allow it to be easily slipped under projecting retaining lugs 12 formed on or secured to the edge of the wall 8. At the front the cover is secured to the body of the box by means of screws inserted through holes 19.

In the construction shown in Fig. 5, the walls 6^a and 7^a of the body portion 1^a are crimped inwardly at the deeper rearward portions 17^a, and the sides 18 of the cover 2^a are substantially straight, extending over the crimped portions 17^a when the cover is in place. In other respects the box shown in Fig. 5 is substantially the same as that shown in the other figures.

It will be understood that the box herein described may be used as a junction or outlet box for conductors inclosed in conduits of various forms, there being herein shown for purposes of illustration that form of conduit known as an elliptical molding, composed of two semi-elliptical sections 13 and 14, the outer section 14 clamping the side walls of the inner section 13. The inner section 13 is shown as connected to the floor of the box by means of connecting-pieces 15, and the joints covered by closure-pieces 16. This form of joint however forms no part of the present invention, but is claimed in an application filed by Chauncey W. Abbott on April 14th, 1911, Serial No. 621,008.

I claim as my invention:

1. In a junction-box for electrical conduits, the combination with a body portion having side and end walls, the rear end wall and adjacent portions of the side walls being deeper than the other wall portions, of a cover provided with side walls and end walls, a portion of said side walls of one of said box parts being bent so that the side walls of the other box part may telescope therewith, and means for uniting said cover with said body portion.

2. In a junction-box for electrical conduits, the combination with a body portion having side and end walls, the rear end wall and adjacent portions of the side walls being deeper than the other wall portions, and

lugs on said rear end wall, of a cover provided with side walls and an end wall, said cover adapted to fit under said lugs at its rear edge, the rear portions of the side walls
5 of one of said box parts bent inwardly to fit within the rear side walls of the other box part.

In testimony whereof I have hereunto set my hand.

ERNEST R. LE MANQUAIS.

Witnesses:

PAUL N. CRITCHLOW,
ALICE A. TRILL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."