

No. 849,395.

PATENTED APR. 9, 1907.

C. A. HINS DILL.
CONDUIT BOX.

APPLICATION FILED APR. 20, 1906.

FIG 2

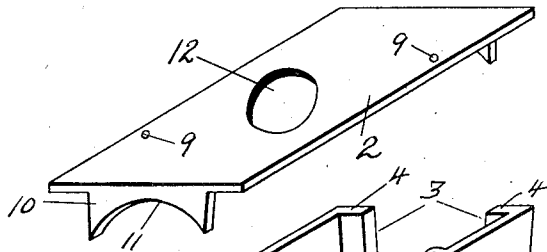


FIG 1

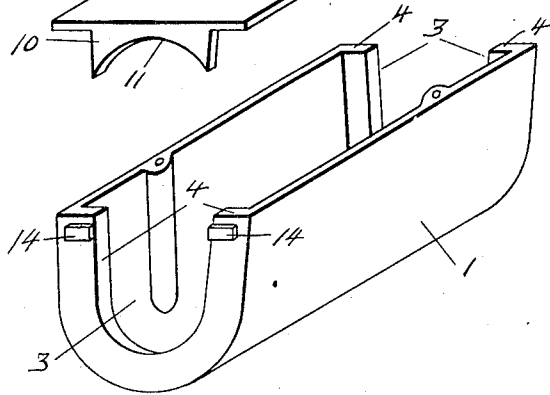
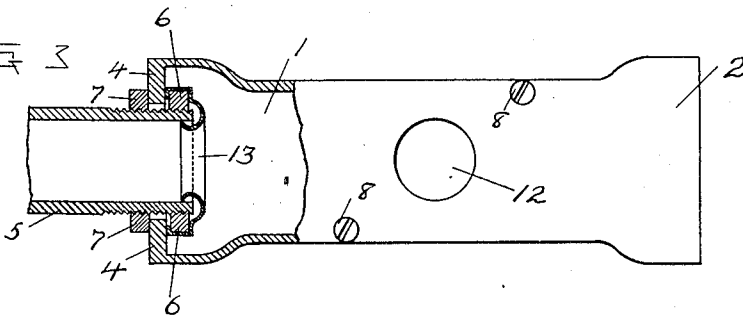


FIG 3



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES A. HINS DILL, OF TROY, NEW YORK.

CONDUIT-BOX.

No. 849,395.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed April 20, 1906. Serial No. 312,784.

To all whom it may concern:

Be it known that I, CHARLES A. HINS DILL, a citizen of the United States, residing at Troy, county of Rensselaer, and State of New York, have invented certain new and useful Improvements in Conduit-Boxes, of which the following is a specification.

The invention relates to such improvements, and consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings and the reference characters marked thereon, which form a part of this specification.

Similar characters refer to similar parts in the several figures therein.

Figure 1 of the drawings is a view in isometrical perspective of the body of my improved conduit-box. Fig. 2 is a similar view of the cover thereof. Fig. 3 is a plan view of the covered side of a box of different shape from that shown in Fig. 1, partly broken away, and shown in section, with the conduit-pipe connected with one end of the box and shown in central longitudinal section.

The principal object of the invention is to facilitate the application of outlet-boxes to conduit-pipes, as well as to simplify the construction of the outlet-box.

Referring to the drawings, wherein the invention is shown in its preferred form, 1 represents the body of the outlet-box, having an open side adapted to be closed by a cover 2. One or both ends of the box-body are formed with open slots 3, extending to the open side thereof, forming parallel flanges 4 4, extending from the open side of the box inwardly. The box-body is adapted to be connected with the end of a conduit-pipe 5, through which the circuit-wires lead into or from the box. The end of the conduit-pipe 5 is exteriorly screw-threaded and adapted to receive thereon a pair of nuts 6 and 7, the pipe being adapted to occupy the open slot 3 in the end of the box-pipe and the nuts 6 and 7 to embrace and clamp between them the parallel flanges 4 on opposite sides of said slot.

The construction of the box is such that when the cover is removed the conduit-pipe, with the two nuts 6 and 7 upon its threaded portion, can be inserted in position through the open side of the box and the open end of slot 3, the nuts 6 and 7 being spaced suffi-

ciently apart to receive therebetween the side flanges 4. After the pipe has been thus inserted to the bottom of the slot 3 the nut 7 is screwed toward the end of the pipe until the flanges 4 are tightly clamped between the two nuts, thereby securing the box upon the conduit-pipe. When the box has been thus applied and secured to the pipe, the cover is applied to the open side of the box and secured thereupon by means of the screws 8, inserted through apertures 9 in the cover into the side walls of the box-body.

The cover is provided with an end flange 10 of less thickness than the flanges 4, adapted to fill the space between said flanges, having its end recessed, as shown at 11, to fit around the pipe 5, said flange 10 being adapted to pass freely between the nuts 6 and 7.

The cover is provided with an outlet-aperture 12 for the branch wires, (not shown,) which are connected with the main circuit-wires within the box.

My improved box can be applied to or removed from the end of a conduit-pipe or the neighboring ends of two or more conduit-pipes, it only being necessary to remove the cover from the box and loosen the locking-nuts 7, whereupon the box can be slipped off from the pipe or pipes, leaving the circuit-wires free of access to the workman and affording him ample space within which to perform his duties.

The nut 6 is shown provided with a sheet-metal bead 13 to prevent injurious contact of the circuit-wires with the ends of the pipe. The circuit-wires are not shown.

As a means for preventing accidental displacement of the box in case the nut 7 should accidentally become slightly loosened, so as not to engage with sufficient force the end wall of the box, I have shown the end wall of the box provided on its outer side with lugs 14, adapted to overhang the nut 7 after the same has been partly screwed to its seat, whereby such displacement of the box is prevented.

In applying the box to the conduit-pipe it is only necessary to separate the nuts 6 and 7 sufficiently to permit the end wall flanges 4 and lugs 14 to pass therebetween.

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

1. An outlet-box for conduits provided with an open side and an open slot in its end extending inwardly from said open side, and

having on opposite sides of said slot inwardly-extending flanges; and a cover for the open side of the box having a flange adapted to occupy the open end of said slot, and of a less thickness than the end wall flanges on opposite sides of said slot.

5 2. An outlet-box for conduits provided with an open side and an open slot in its end extending from said open side, and having on

the outer side of its end wall near the open end of said slot an outwardly-extending lug.

In testimony whereof I have hereunto set my hand this 17th day of April, 1906.

CHARLES A. HINS DILL.

Witnesses:

E. M. O'REILLY,
J. DONS BACH.