May 9, 1933. M. E. PHILLIPS 1,907,661

FLOOR OUTLET FIXTURE

Filed Feb. 23, 1929

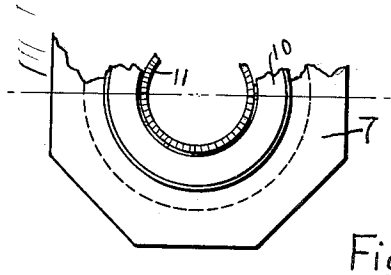

Fig. 2.

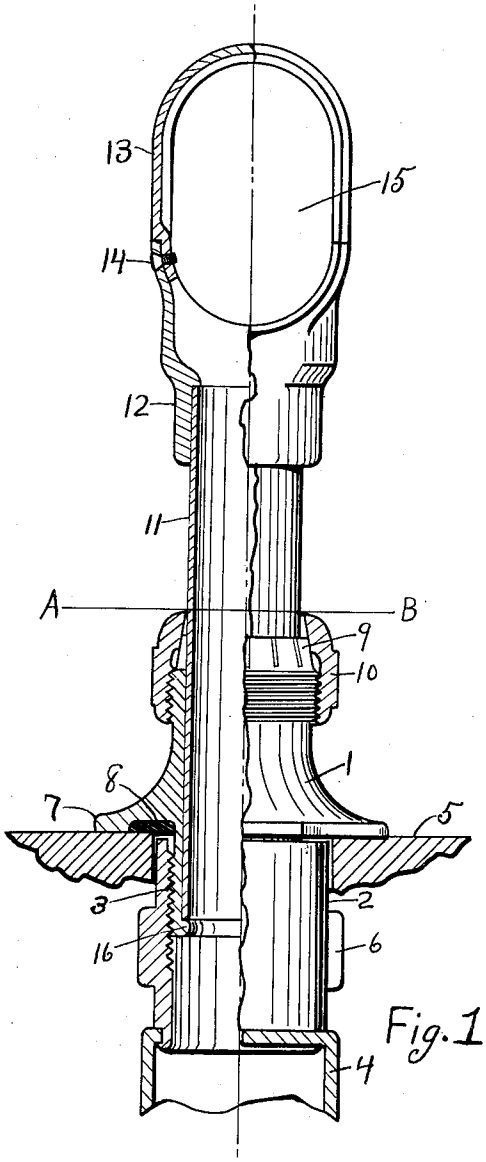

Fig. 1.

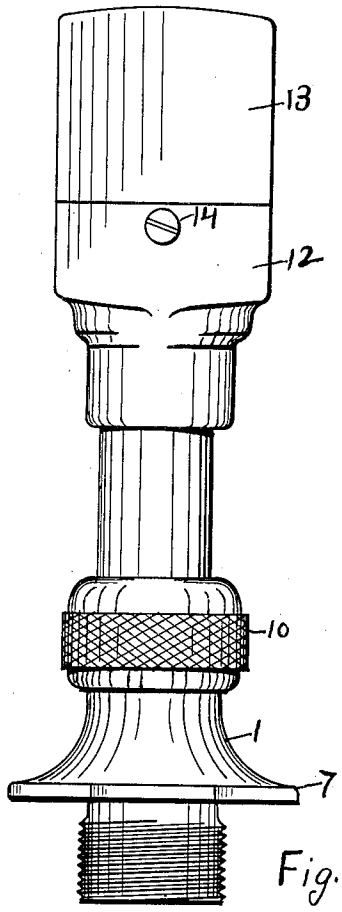

Fig. 3.

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UNITED STATES PATENT OFFICE

MILTON E. PHILLIPS, OF SYRACUSE, NEW YORK, ASSIGNOR TO CROUSE-HINDS COMPANY, OF SYRACUSE, NEW YORK, A CORPORATION OF NEW YORK

FLOOR OUTLET FIXTURE

Application filed February 23, 1929. Serial No. 342,218.

This invention relates to electrical outlet fixtures and particularly to a fixture adapted to an outlet in an underfloor conduit system as disclosed in my pending application, Sr. No. 325,432, filed December 12, 1928, and which has matured into Patent #1,839,258.

This invention has for its object an outlet fixture or receptacle support which forms a water tight joint with the floor surface and provides means whereby the portion containing the electrical receptacle may be adjusted vertically and also turned about on its axis.

The invention consists in the novel features and in the combinations and constructions hereinafter set forth and claimed.

In describing this invention, reference is had to the accompanying drawing in which like characters designate corresponding parts in all the views.

Figure 1 is a side elevation of the fixture, partly in section, and showing the fixture in operated position with the outlet and also showing contiguous portion of the floor surface.

Figure 2 is a sectional view taken on line A—B, Figure 1.

Figure 3 is a side elevation in perspective.

1 designates a tubular base portion threaded at its lower end whereby it may be screwed into the outlet 2 as shown at 3.

The outlet 3 is secured to the underfloor duct 4 with its upper end nearly flush with the floor surface 5 as more fully explained in my Patent No. 1839258 above-referred to.

6 designates bosses or lugs on and integral with the sides of the outlet whereby the outlet is prevented from turning movement after it has been placed in the concrete floor.

7 designates an annular flange on the base portion and located to overlie the floor surface. The flange is usually formed with an annular recess on its underside in which a gasket 8 is located.

When the base portion is screwed tightly into the outlet the flange 7 and gasket 8 provide means for forming a water tight joint between the base portion and the floor surface. Preferably, the periphery of the flange is octagonal for receiving a wrench.

The upper end of the base portion is slotted forming a contractile collar 9, this collar being contracted by a nut 10 threading on the base portion and formed with a conical or cam recess coacting with the collar 9.

An electrical receptacle housing 12 having a detachable lid or cover 13 is secured to the housing by screws 14. An electrical receptacle is secured in the opening 15 of the housing 12. The general contour of the housing and of its opening 15 may be so formed as to receive any standard electrical receptacle.

The outlet fixture is installed as follows:

The cap, not shown, on the outlet 2 is removed. The wires carried in the duct 4 are tapped and leads are brought out through the outlet 2. The base fixture is then placed over the leads and screwed tightly into the outlet 2 by means of a wrench, on the flange 7. The nut 10 is loosened. The tube 11 with the cover 13 of the receptacle housing 12 removed is placed over the leads and inserted in the base portion 1 to the desired height. The nut 10 is then tightened causing the contractile collar 9 to firmly grip the tube. The leads are then connected to the electrical receptacle and the same is placed in the housing 12 and the lid 13 secured in position by screws 14.

The lower end of the base portion 1 is provided with an internal annular flange 16 extending from its inner side. The purpose of this flange is to prevent the insulation from being scraped off on the sharp end of the base portion or the tube.

This fixture not only provides a water tight joint to prevent mop water and the like from entering the under-floor conduit system, but also affords a device which can very quickly be placed into position and which has a neat appearance.

What I claim is:

1. An adjustable floor outlet fixture comprising a tubular base portion provided with a flange for engagement with the surface of the floor, a recess in the side of the flange next to the floor, a gasket within the recess, a tube extending in said base portion and being adjustable axially and rotatably therein and means for adjustably securing the tube with-

in the base and an electrical receptacle housing secured to the free end of the tube.

2. An outlet fixture in combination with an outlet located below and opening through a flat surface, a tubular base threading into the outlet and having a circumferential flange extending transversely to the center portion of the base for seating against said surface, and the upper end of the base being formed with a chuck, a tube extending through the chuck and into the base and a receptacle housing carried by the free end of the tube.

3. An adjustable floor outlet fixture in combination with a floor outlet comprising a base having a portion extending below the floor surface and a portion extending above the floor surface, a circumferential flange extending transversely to the base portion for engagement with the floor surface and having a gasket recess in the side next to the floor, a tubular member carrying a receptacle housing extending into the base portion and being adjustable to the base portion axially and rotatably, and means carried by the upper portion of the base for securing the tubular member to the base.

In testimony whereof, I have hereunto signed my name, at Syracuse, in the county of Onondaga, and in the State of New York, this 15th day of February 1929.

MILTON E. PHILLIPS.