No. 856,165. PATENTED JUNE 4, 1907.

H. KRANTZ.

FLOOR BOX FOR ELECTRIC WIRING.

APPLICATION FILED SEPT. 22, 1905.

Fig. 1.

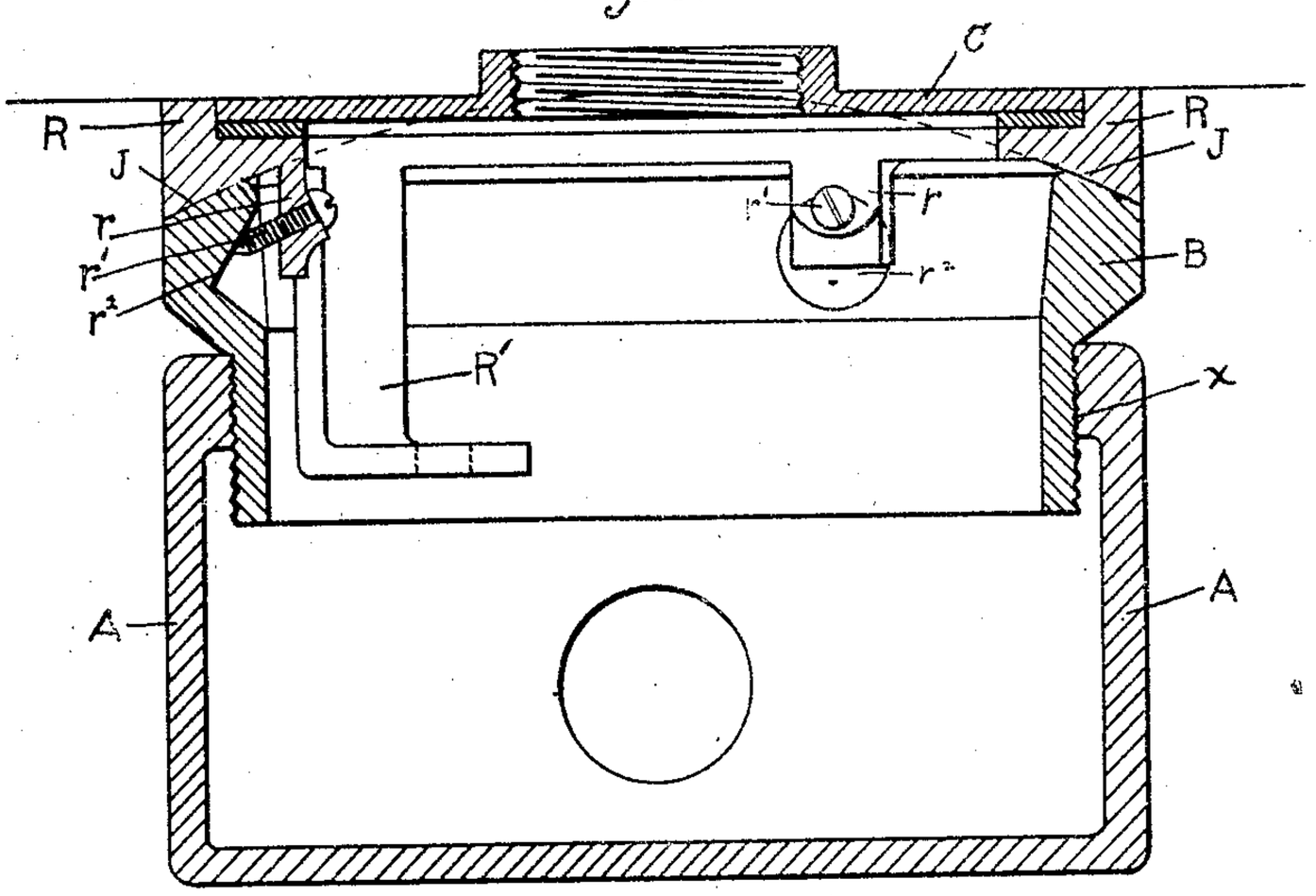
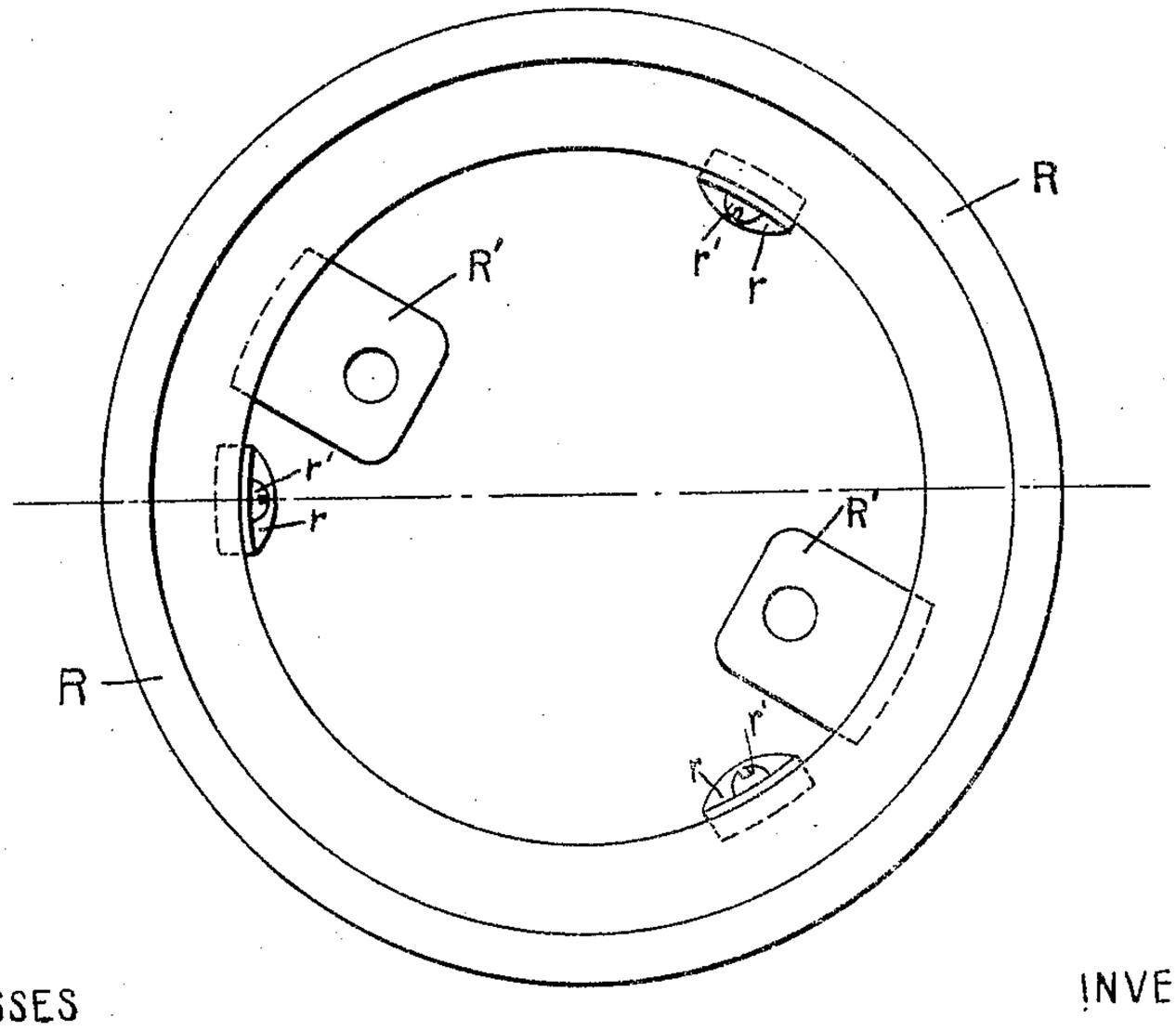


Fig. 2.



WITNESSES

Paul A. Blair.

Miller Abbe

INVENTOR

Hubert Krantz

By Howson and Howson

ATTORNEYS.

UNITED STATES PATENT OFFICE.

HUBERT KRANTZ, OF NEW YORK, N. Y.

FLOOR-BOX FOR ELECTRIC WIRING.

No. 856,165. Specification of Letters Patent. Patented June 4, 1907.

Application filed September 22, 1905. Serial No. 279,740.

To all whom it may concern:

Be it known that I, HUBERT KRANTZ, a citizen of the United States of America, and residing in the borough of Brooklyn, city of New York, county of Kings, in the State of New York, have invented certain new and useful Improvements in Floor-Boxes for Electric Wiring, of which the following is a specification.

My invention relates more particularly to outlet boxes for electric wiring, and it has special reference to the construction of boxes which are used in floors.

The main object of my invention is to so construct the box that the flooring can be finished without first positioning the outlet box, but the upper part of the latter can be adjusted afterward to that position which is in a measure demanded by the surface of the floor which is laid after the box has been connected to the conduit pipes. This object I attain by the construction shown in the accompanying drawings, in which

Figure 1 is a vertical section of my improved floor box; and Fig. 2 is a plan view of the same with the cover plate removed.

A is the lower part of the floor box, to which the conduit pipes are to be connected to lead in the conductor wires. In conjunction with this, I provide an upper section B, which may be adjusted vertically, as by screws threading (at x) one onto the other. Over this upper section I provide a ring R, with a ball and socket section connection between the two at J, whereby such ring may be leveled to the floor or other surface in which the box is set. Two or more lugs r (three being shown in the present instance) are provided on one part to carry screws r^1, the points of which engage inclined surfaces r^2 on the other part to secure the angular adjustment with accuracy and to hold the parts firmly in their adjusted positions. In the present instance the lugs r and screws r^1 are shown on the ring R, while the inclined surfaces are on the upper part B of the box.

The metal ring R, which is preferably of brass, and is recessed to receive the cover C, serves as a facing against which the flooring may be finished. In the present instance, I have shown this ring as also provided with lugs, R^1, R^1, on which the receptacle for the floor box plug may be secured, but I do not wish to confine myself to mounting the receptacle upon the ring R. In fact it may be used without any receptacle, as an outlet box.

It is thus seen that by means of this construction of the box, the upper face comprising the finishing ring R and the cover C, may be brought to the level of the floor or other surface in or beneath which the box has been placed, without disturbing such surface. If in the approximate adjustment of the box before such surface is finished, for example before the floor is laid, it happens that the box was set too low, the whole upper part B may be raised vertically by simply revolving the same on the threaded lower part A until the level of the finished floor is reached. If the box also proves to have been put in at an angle or if the floor itself is inclined at this point, the ring R may be tilted by means of the screws r^1 until it is true with the surface. Both of these results, it is to be observed, are obtained through means operated from the interior of the box and therefore accessible after the floor or other surface has been finished at the box.

I claim as my invention

1. An outlet box having a finishing ring R, a ball joint adjustment between the ring and the box, and means conveniently accessible for operating said adjustment after the surface into which the box is set is finished at the box.

2. An outlet box having a finishing ring R, a ball joint between the box and the finishing ring and screws and inclined surfaces to adjust the ball joint connection.

3. An outlet box having two parts adjustable vertically with reference to each other, a finishing ring R, a ball joint adjustment between said ring and the upper part of the box proper, and means for operating such adjustments after the surface into which the box is set has been finished at the box.

4. The combination of the lower and upper parts of an outlet box adjustable vertically with reference to each other, with a top finishing ring, a ball joint between the ring and the upper part of the box and screws and inclined surfaces by which the ball joint may be adjusted after the surface into which the box is set has been finished at the box.

5. The combination of the lower and upper parts of an outlet box adjustable vertically with reference to each other, with a top fin-

ishing ring having means to carry the receptacle, with a ball joint adjustment between the ring and the upper part of the box, and means to operate such adjustment after the surface into which the box is set has been finished at the box.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

HUBERT KRANTZ.

Witnesses:
S. L. WHITLOCK,
J. A. NEWTON.