

No. 697,051.

Patented Apr. 8, 1902.

M. F. WHITON.
JUNCTION BOX COUPLING.

(Application filed Aug. 28, 1901.)

(No Model.)

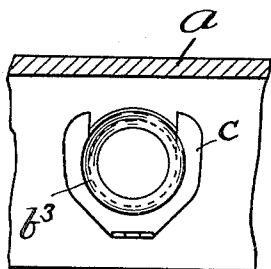
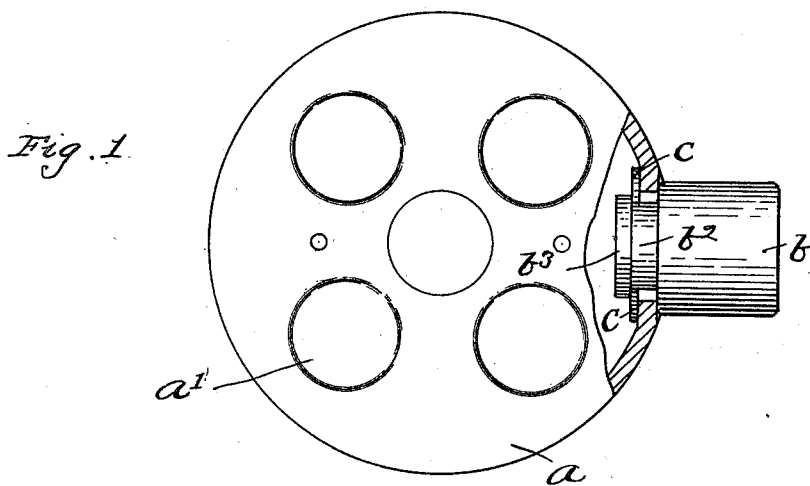


Fig. 2.

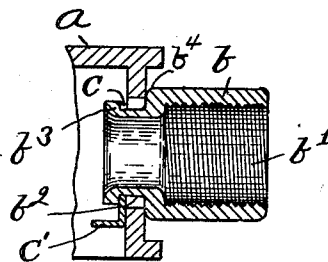


Fig. 3.

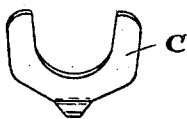


Fig. 4.

Witnesses:

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UNITED STATES PATENT OFFICE.

MORRIS F. WHITON, OF HINGHAM, MASSACHUSETTS.

JUNCTION-BOX COUPLING.

SPECIFICATION forming part of Letters Patent No. 697,051, dated April 8, 1902.

Application filed August 28, 1901. Serial No. 73,597. (No model.)

To all whom it may concern:

Be it known that I, MORRIS F. WHITON, of Hingham, in the county of Plymouth and State of Massachusetts, have invented an Improvement in Junction-Box Couplings, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to junction-box couplings for electric wires, and has for its object to improve the construction of the coupling member by which the pipe which contains the wires is connected to the box and to provide improved means for securing said coupling member to the box.

The invention consists, essentially, in a coupling member comprising a cylindrical body having a longitudinal hole through it and provided at one end with a neck formed with a lateral projection or flange at its extremity which is adapted to project through a hole in the wall of the box, and a locking device constructed and arranged to be interposed between said projection or flange on the coupling member and the wall of the box for securing said coupling member to the box.

Figure 1 shows in plan view a junction-box coupling having a coupling member embodying this invention. Fig. 2 is a detail showing an end view of the coupling member and its locking device. Fig. 3 is a longitudinal section of the coupling member and its locking device. Fig. 4 is a separate detail of the locking device.

a represents an ordinary form of junction-box having or adapted to have holes *a'* through its walls.

The coupling member consists of a cylindrical body *b*, having a longitudinal hole through it and having at its outer end an internally-screw-threaded portion *b'* for the pipe and having at its opposite end a neck *b²*, of relatively small diameter, which is formed or provided at its extremity with a lateral projection or flange *b³*. The lateral projection or flange *b³* is herein represented as an annular flange; yet I do not desire to limit my invention to the employment of this form of lateral projection.

In forming the neck *b³* a shoulder *b⁴* will be produced at the end of the cylindrical body,

which is adapted to abut against the outside of the wall of the box. The neck and lateral projection or flange thereon are both made small enough to freely pass through any one of the holes *a'* in the wall of the box and long enough to project therethrough a short distance sufficient to leave a space between the lateral projection or flange *b³* and the inside of the wall of the box, and when the neck is thus projected through any one of the holes *a'* the shoulder *b⁴* will abut against the outside of the wall of the box. To secure said coupling member to the box, a locking device is provided, which is made independent of the coupling member, and while many forms of locking devices may be provided the form herein shown is simple and effective.

As herein shown, the locking device consists of a yoke or bifurcated member *c*, semi-circular in shape, comprising two arms adapted to embrace the neck *b²*, said arms being of a sufficient thickness to occupy the space between the lateral projection or flange *b³* and the wall of the box. This yoke will be crowded or driven into place and acts to draw the coupling member into firm engagement with the box. The yoke *c* will have a lateral projection *c'*, in order that it may be struck a blow to be driven into place, and may be removed, if desired.

I claim—

1. The combination with a box having a hole through its wall, of a coupling member having a longitudinal hole through it and having a neck at one end formed with a lateral projection or flange at its extremity which projects through the hole in the wall and a locking device for securing said coupling member to the box which engages said projection or flange, substantially as described.

2. The combination with a box having a hole through its wall, of a coupling member having a longitudinal hole through it and having a neck at one end formed with a lateral projection or flange at its extremity which projects through the hole in the wall and a locking device adapted to be interposed between said projection or flange and the wall of the box for securing said coupling member to the box, substantially as described.

3. The combination with a box having a hole through its wall, of a coupling member

having a longitudinal hole through it and having a neck at one end formed with an annular flange at its extremity which projects through the hole in the wall and a locking device adapted to be interposed between said annular flange and the wall of the box for securing said coupling member to the box, substantially as described.

4. The combination with a box having a hole through its wall, of a coupling member having a longitudinal hole through it and having a neck at one end formed with a lateral projection or flange at its extremity which projects through the hole in the wall and a yoke adapted to be interposed between said projection or flange and the wall of the box for securing said coupling member to the box, substantially as described.

5. The combination with a box having a hole through its wall, a coupling member having a longitudinal hole through it and having a neck at one end formed with a lateral projection or flange at its extremity which projects through the hole in the wall, and a yoke having a lateral projection at its crown adapted

to be interposed between said projection or flange and the wall of the box for securing said coupling member to the box, substantially as described.

6. The combination with a box having a hole through its wall, a coupling member having a longitudinal hole through it consisting of a cylindrical body shouldered at one end to form a neck which is provided with a projection or flange at its extremity, said neck projecting through the hole in the wall and the shoulder abutting against the outer side of the wall, and a locking device interposed between the projection or flange and the inside of the wall for securing said coupling member to the box, substantially as described.

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

MORRIS F. WHITON.

Witnesses:

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