No. 672,368. Patented Apr. 16, 1901.

G. L. HOLSHUH.

JUNCTION BOX.

(Application filed Jan. 23, 1901.)

(No Model.)

Fig. 1.

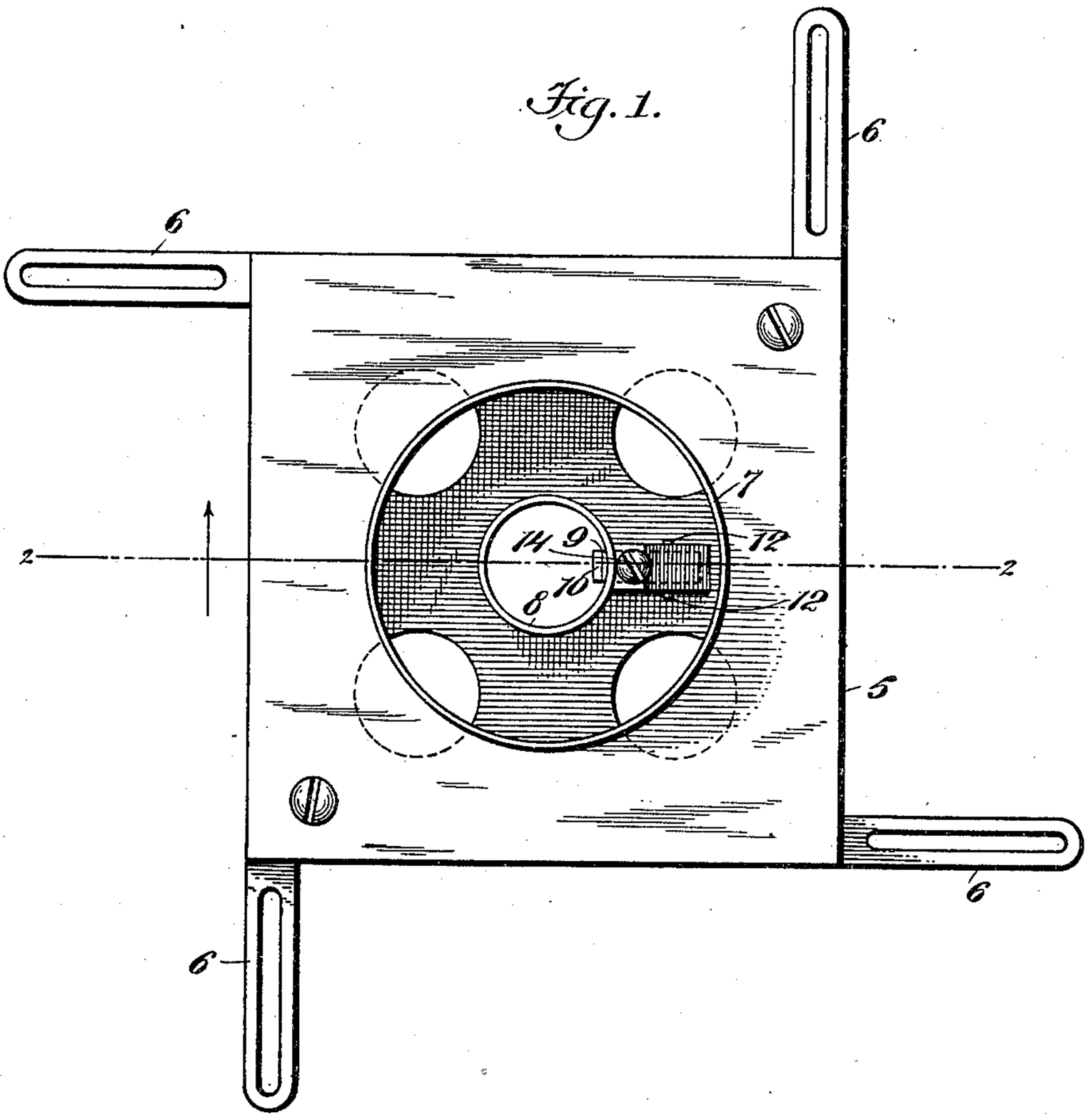
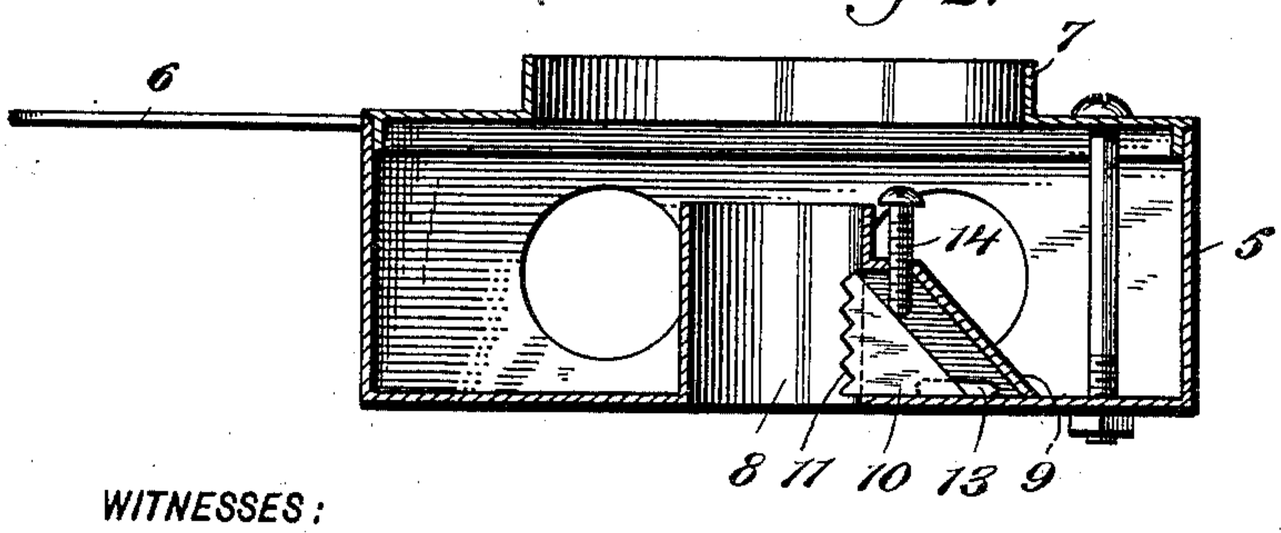


Fig. 2.



WITNESSES:

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JUNCTION-BOX.

SPECIFICATION forming part of Letters Patent No. 672,368, dated April 16, 1901.

Application filed January 23, 1901. Serial No. 44,448. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. HOLSHUH, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Junction-Box, of which the following is a full, clear, and exact description.

This invention relates to improvements in junction-boxes for electric wiring in buildings; and the object is to provide a ceiling junction-box with a simple device for locking it to a gas-pipe, the said device being conveniently operated by a tool inserted through an opening in the lower side of the box.

I will describe a junction-box embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a bottom plan view of a junction-box embodying my invention, and Fig. 2 is a section on the line 2 2 of Fig. 1.

Referring to the drawings, 5 designates the junction-box, designed to be seated in a ceiling and held by any suitable means. I have here shown arms 6 extended outward from the box at its lower side and provided with slots through which screws or pins may pass to engage in the woodwork of the ceiling. By providing the slots in the arms a considerable range is provided for the insertion of said screws or fastening devices to engage with the woodwork. The bottom wall of the box is provided with the usual opening, around which is the flange 7, with which the usual rosette is designed to engage, and the box is also provided in its top and side walls with openings through which the different wires of the conductor-tubes may pass.

Extended downward from the center of the top wall is a sleeve 8, designed to engage around a gas-pipe, and at one side of this sleeve is an offset-chamber 9 in which a clamping-dog 10 is movable. This clamping-dog is provided with teeth 11 to engage with the gas-pipe, and at its upper inner edge it is provided with pins 12, which extend outward through slots 13 in the opposite side walls of the chamber 9. The lower inner edge of this dog is cam-shaped or inclined and is engaged by an adjusting-screw 14, which passes through the bottom wall of the offset 9. This screw 14 will preferably be rounded or pointed at its end engaging with the dog.

In operation after placing the box in a ceiling and around a gas-pipe a screw-driver may be inserted through the opening in the bottom wall of the box and engaged with the screw, and by turning said screw its action upon the cam-surface of the dog will force the dog into locking connection with the gas-pipe.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A junction-box for electric wiring, having an opening through its lower wall, a sleeve extended from the upper wall for engaging around a gas-pipe, and a clamping-dog adapted to be operated by a tool inserted through the bottom opening of the box for clamping said dog against the pipe, substantially as specified.

2. A junction-box for electric wiring, having an opening in its lower wall, a tube extended downward from the upper wall of the box and adapted to surround a pipe, an offset forming a chamber at one side of said tube, a dog mounted to slide in said offset, and a screw passing through the lower wall of the offset and engaging with said dog to force it against the pipe, substantially as specified.

3. A junction-box, having an opening through its lower wall, a tube extended from the upper wall of said box and adapted to engage around a gas-pipe, an offset at one side of said tube, forming a chamber, a toothed dog movable in said chamber and having an inclined or cam-shaped inner lower edge, and a screw passing through the lower wall of said offset and engaging with said cam or inclined surface, substantially as specified.

4. A junction-box, having an opening through its lower wall, a sleeve extended downward from the upper wall, an offset at one side of the sleeve and forming a chamber, a clamping-dog movable in said chamber, pins extended outward from the sides of

said dog through slots in the opposite side walls of the offset, the said dog having its lower inner surface inclined, and a screw passing through the lower wall of said offset and adapted to engage with said dog, substantially as specified.

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

GEORGE L. HOLSHUH.

Witnesses:
MICHAEL ELSINGER,
JOHN JAUZER.