

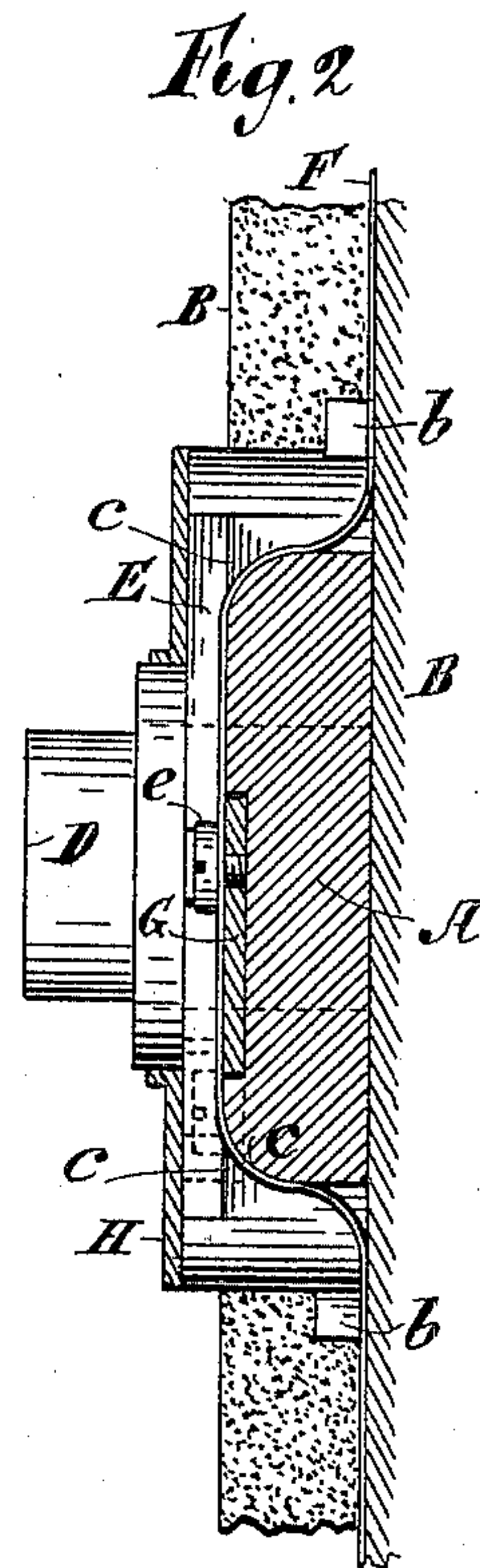
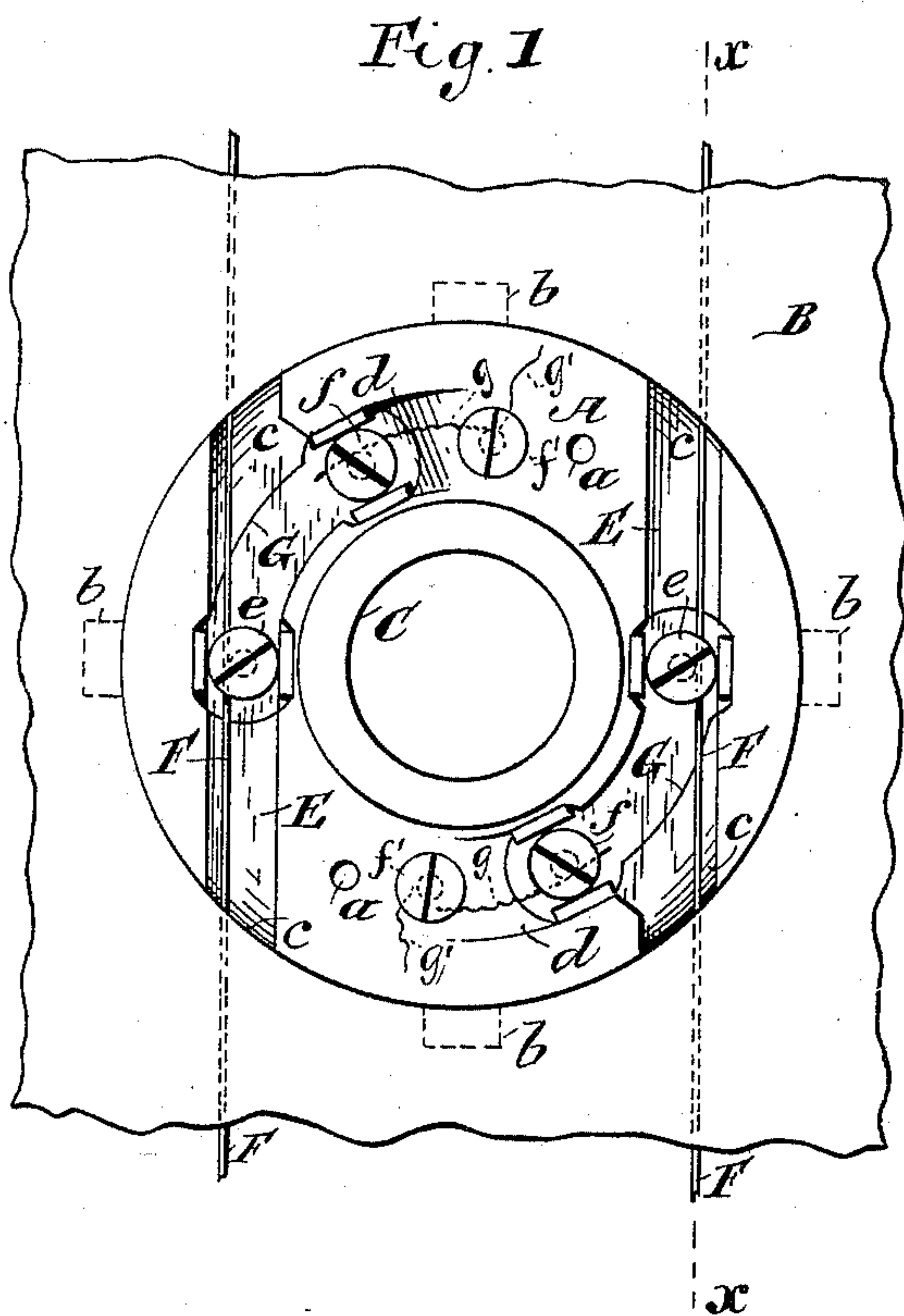
(No Model.)

P. H. KLEIN, Jr.

INCANDESCENT ELECTRIC LIGHT FIXTURE.

No. 411,452.

Patented Sept. 24, 1889.



Witnesses
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UNITED STATES PATENT OFFICE.

PHILIP H. KLEIN, JR., OF NEW YORK, N. Y., ASSIGNOR TO THE BERGMANN & COMPANY, OF SAME PLACE.

INCANDESCENT ELECTRIC-LIGHT FIXTURE.

SPECIFICATION forming part of Letters Patent No. 411,452, dated September 24, 1889.

Application filed May 25, 1889. Serial No. 312,085. (No model.)

To all whom it may concern:

Be it known that I, PHILIP H. KLEIN, JR., a resident of New York, county and State of New York, have invented an Improvement in Tap-Fixtures for Electric Wires in Buildings, of which the following is a specification.

My invention consists in the construction and novel arrangement of parts, as hereinafter set forth, and illustrated in the drawings, in which—

Figure 1 is a front view of the device seated in the wall; and Fig. 2 is a transverse section of the same, taken on the line *x x*.

It is the ordinary practice in placing wires in buildings for electric lighting to embed the wires within the plaster, and to tap the same for connection with a lamp it is necessary to remove the plaster at the desired places to make the connection, often resulting in damage to mural decorations. To obviate this I provide the tap-fixture designed to be seated in the wall or ceiling at the time the wires are placed therein, and make connection with the wires, as will hereinafter appear.

Referring by letter to the drawings, A designates the base, and B the wall or ceiling. The base is preferably of non-combustible material and is seated in the wall, where it may be more securely held by means of pins or screws passing through the perforations *a* into the wall; or the base may be provided with a flanged inner edge, or with lugs, as shown at *b*, over which the plaster will lap. A central opening C is provided through the base A to engage over a gas-pipe connection D, if found desirable. The base is provided on its face with two channels E, which are preferably curved downward at the ends *c*, so that the main wires F will not be turned too abruptly from the base of the channels into the wall. The base of the channels is flush with the face of the wall, or may extend slightly beyond, so that the portions of the main wires passing through these channels are not embedded in the wall. Short channels *d* are extended at approximately right angles from near the ends of the parallel channels E, and a metal binding-plate G is seated in the re-

spective communicating channels E *d*. At the ends of the plates G, within the channels E, binding-screws *e* are provided to electrically connect with the main wires F, from which at this point the insulating material has been removed. The opposite ends of the plates G, within the channels *d*, have binding-screws *f* for engaging the safety-catch which extends to the binding-screws *f'*, connecting with the branch or lamp-wires *g'*.

I have shown the tap-fixture as circular in form and the binding-plates as curved; but it is obvious that any other shape may be used.

A cover, which is partially shown in the drawings at H, may be placed over the fixture when gas or other fixtures are not affixed. This cover may be of any suitable material and decorative in design.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In combination with the main wires, a tap-fixture comprising a base having channels and binding-plates and screws seated in said channels, lugs on the base to engage the plaster of a wall, and a central opening to engage over a pipe-connection, substantially as specified.

2. A tap-fixture for electric wires, comprising a base, channels in said base, channels at approximately right angles from the first-named channels, binding-plates in the channels, binding-screws for the main wires, and binding-screws for the branch wires, the said base having a central opening to engage over a gas-pipe connection, substantially as specified.

3. A tap-fixture for electric wires, comprising a base, channels extending across said base, channels at approximately right angles to the first-named channels, binding-plates in the channels, binding-screws for the wires, and a safety-catch, the said base having an opening to engage over a gas-pipe connection, substantially as specified.

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Witnesses:

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