

(No Model.)

S. BERGMANN & C. J. KLEIN.

INSULATING COUPLING BLOCK AND CUT-OUT.

No. 446,180.

Patented Feb. 10, 1891.

Fig 1

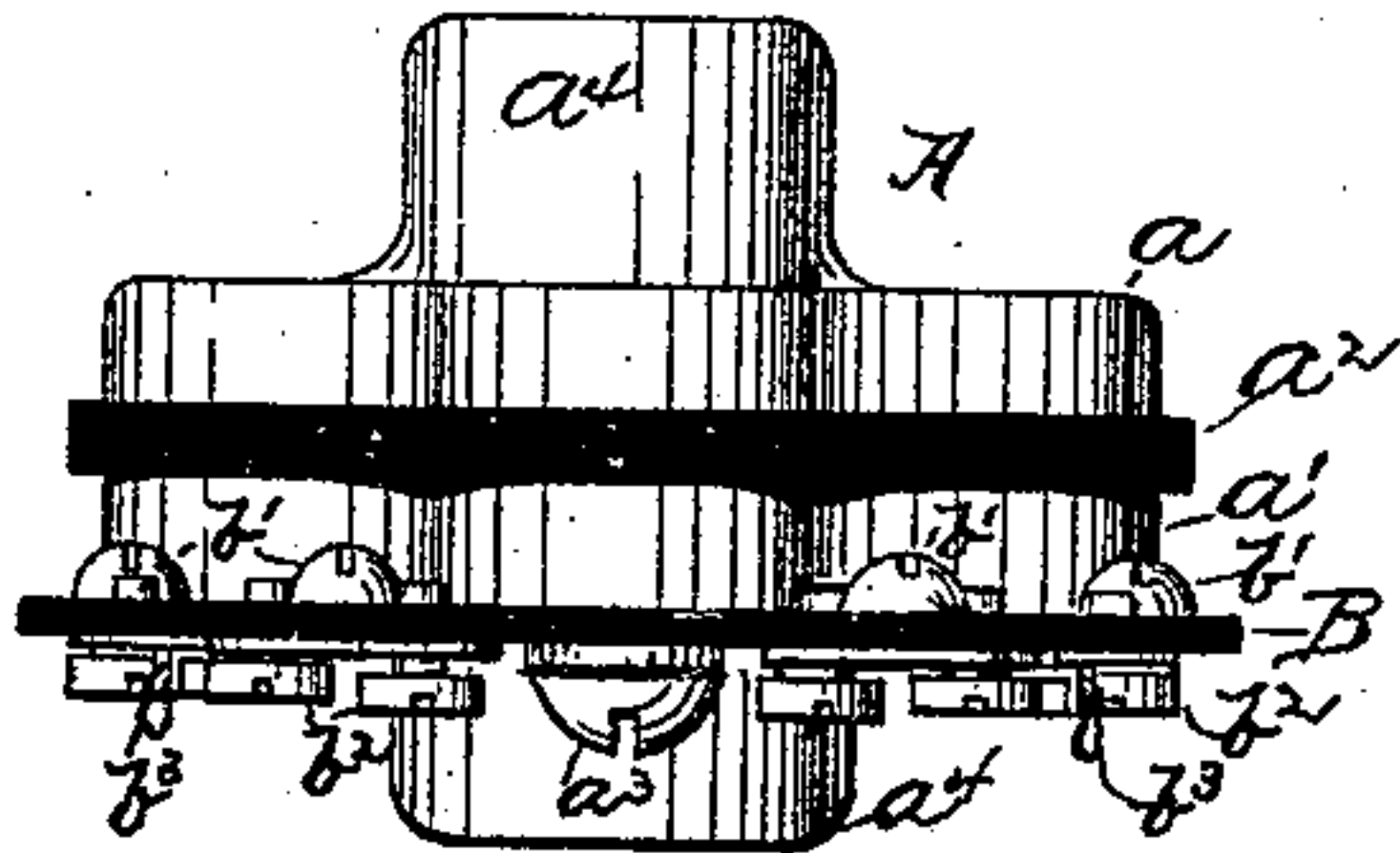


Fig 3

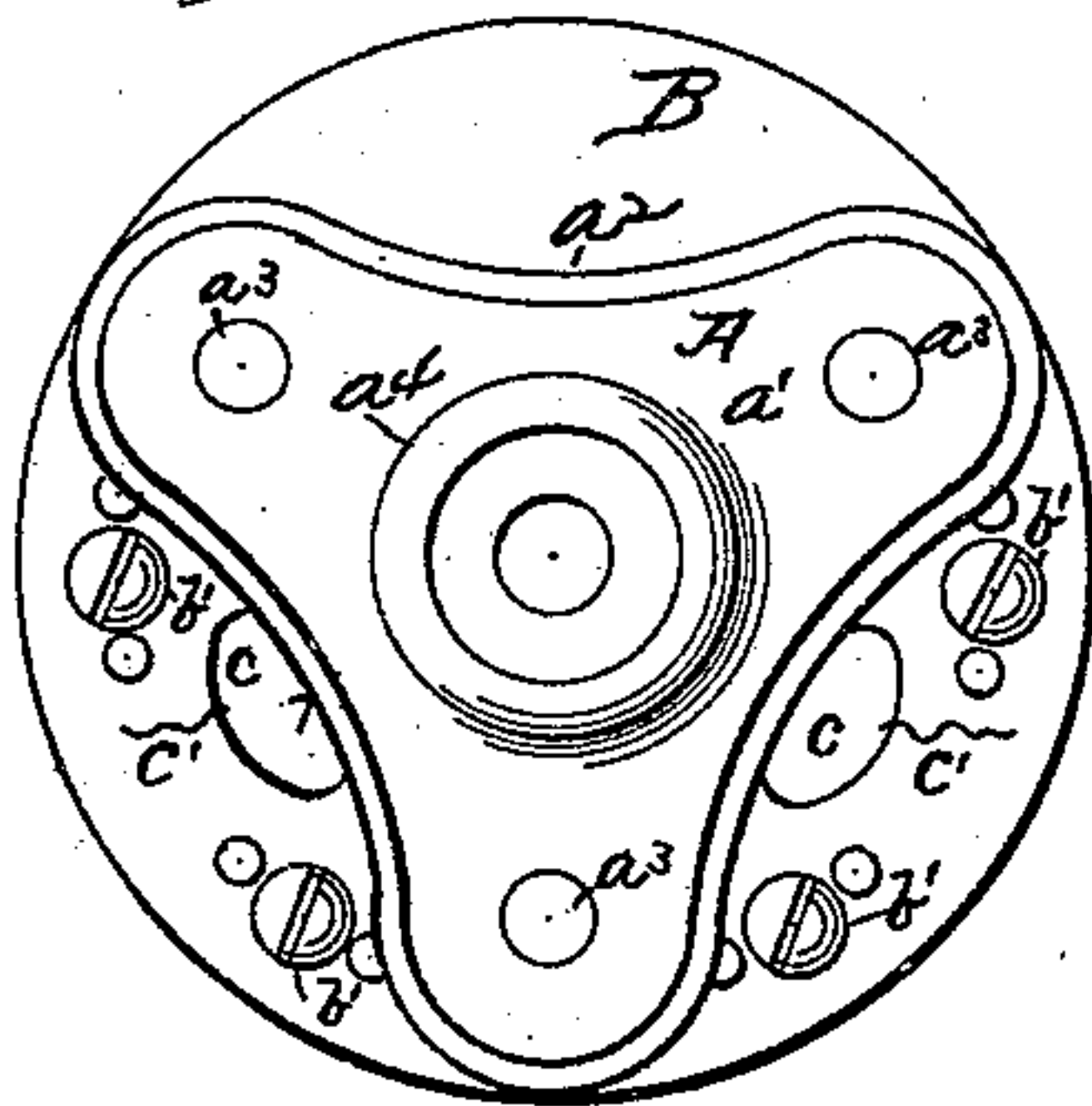


Fig 4

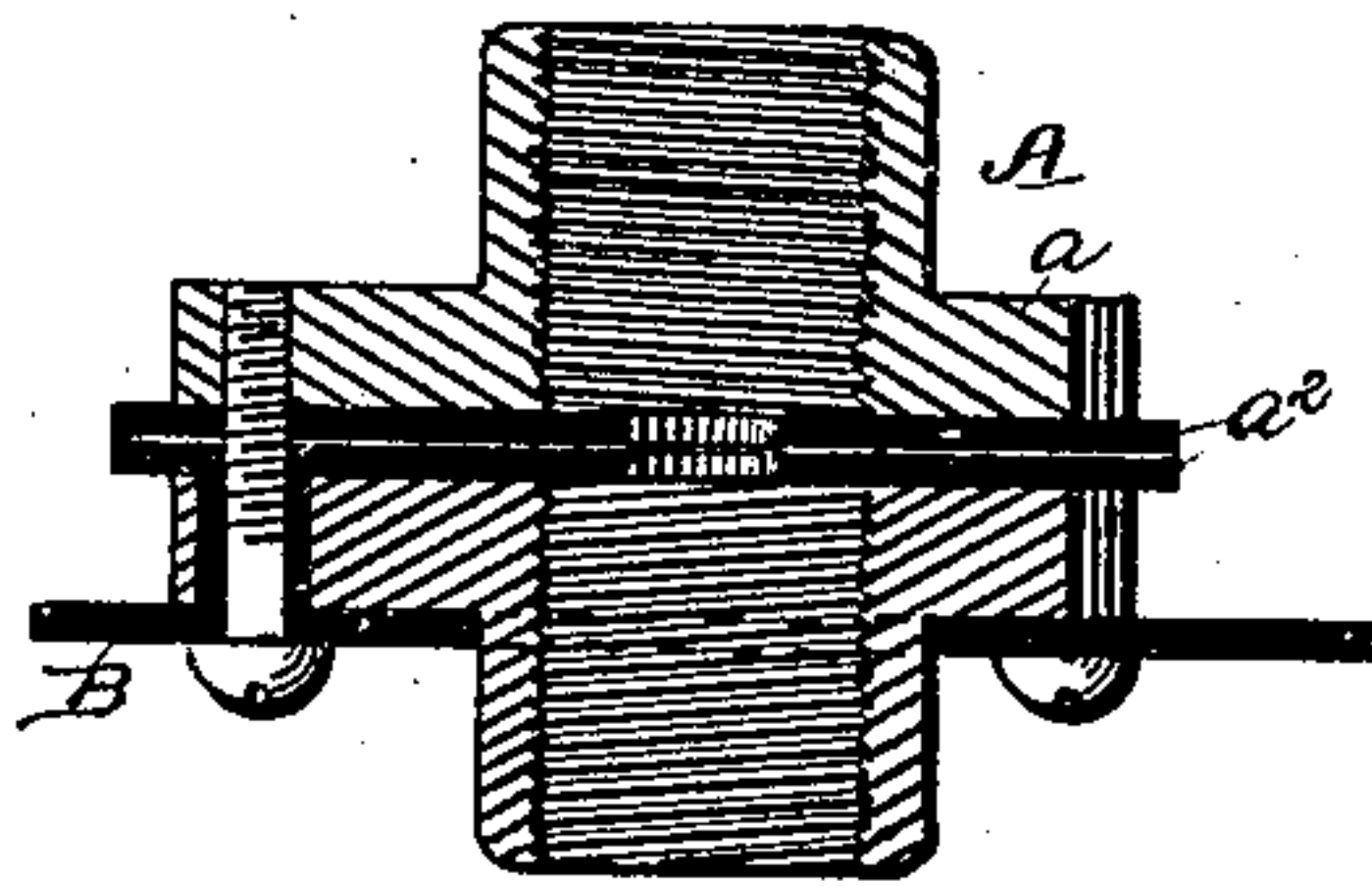
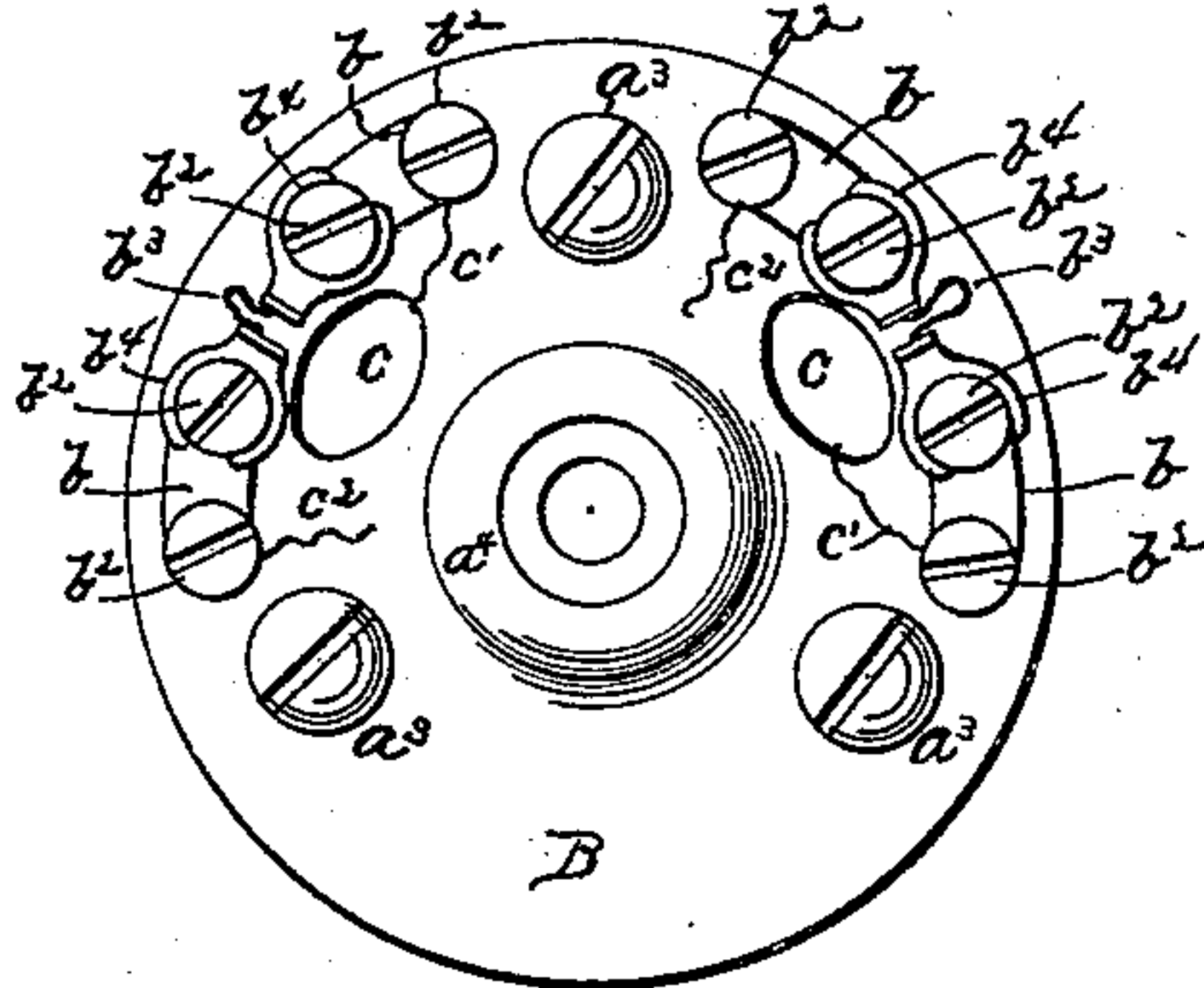


Fig 2



Witnesses
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INSULATING COUPLING-BLOCK AND CUT-OUT.

SPECIFICATION forming part of Letters Patent No. 446,180, dated February 10, 1891.

Application filed March 11, 1890. Serial No. 343,536. (No model.)

To all whom it may concern:

Be it known that we, SIGMUND BERGMANN and CHARLES J. KLEIN, residing at New York, county and State of New York, have invented
5 a certain new and useful Improvement in Insulated Coupling-Blocks and Cut-Outs, of which the following is a specification.

The invention relates to combined insulated coupling-blocks and cut-outs adapted to connect
10 a fixture to a gas-pipe.

The object is to connect a fusible cut-out with a coupling-block in such manner that the whole may be contained in a small space and whereby electric wires leading to a lamp
15 may be easily attached to the main wires.

We will describe an insulated coupling-block and cut-out embodying our invention and then point out the novel features in a claim.

20 In the drawings, Figure 1 is a side view of a device embodying our improvement. Fig. 2 is a plan or bottom view of the cut-out, and Fig. 3 is a top view of the device. Fig. 4 is a vertical section.

25 Similar letters of reference designate corresponding parts in all the figures of the drawings.

Referring by letter to the drawings, A designates a coupling-block consisting of the two
30 sections a a' , having the usual insulating material a^2 between them and secured together by means of screws a^3 . The screws a^3 pass through insulated openings in the section a' and engage with tapped holes in the section
35 a . The section a is provided with an internally-threaded tubular boss a^4 to engage a gas-pipe projecting through a wall or ceiling, and the section a' is provided with a similar boss a^4 to engage a fixture.

40 B designates a disk of insulating material—such as hard rubber or analogous material—having a central opening to pass over the boss

a^4 on the section a' , and the disk is secured to the insulating-block by means of the screws
 a^3 . Pairs of connecting-plates b are secured 45 on the outer side of laterally-extending portions of the disk B by means of screws b' , and a binding-post b^2 is placed at each end of the respective plates b . The adjacent ends of each pair of plates b are electrically con- 50 nected by a fusible wire cut-out b^3 . We have shown the fusible cut-outs as soldered or otherwise connected to yoke-plates b^4 , which are clamped under adjacent binding-posts b^2 . Main wires c' pass through openings c in the 55 laterally-extended portions of the disk B and engage with outer binding-posts b^2 , and wires c^2 lead from the other binding-posts b^2 to a lamp. Of course the relative positions of the wires may be changed and a greater number 60 of connections than that shown may be employed.

Having described our invention, what we claim is—

In a coupling-block and cut-out, the combination of a section having a tubular boss to engage a pipe, another section having a tubular boss to engage a fixture, insulating material between said sections, a disk of insulating material having a central opening to pass 65 over the boss of the last-named section, the said disk extending laterally beyond said sections and having openings for the passage of main wires outside of the sections, screws passing through the disk and sections securing 70 the parts together, pairs of connecting-plates secured to the disk on its outer side, binding-posts on the plates, and fusible wires, substantially as specified.

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Witnesses:

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