

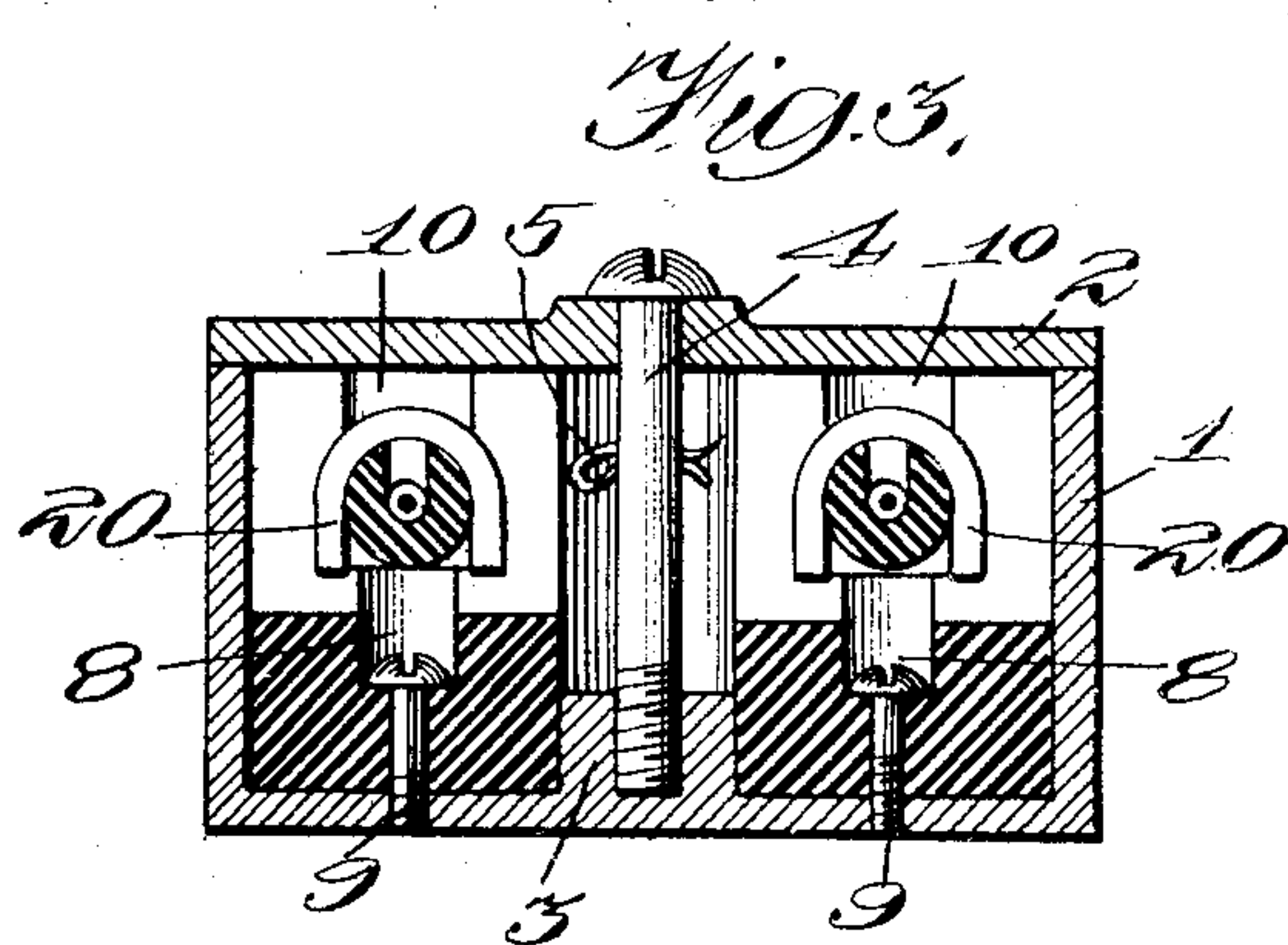
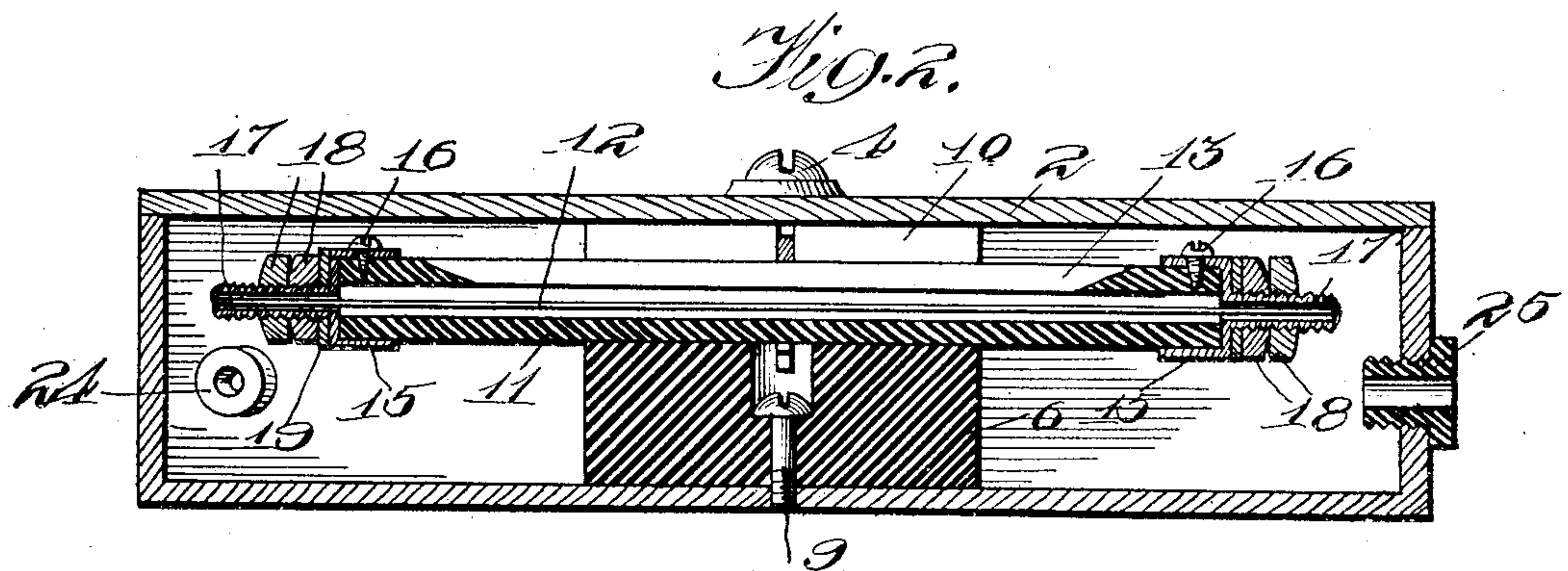
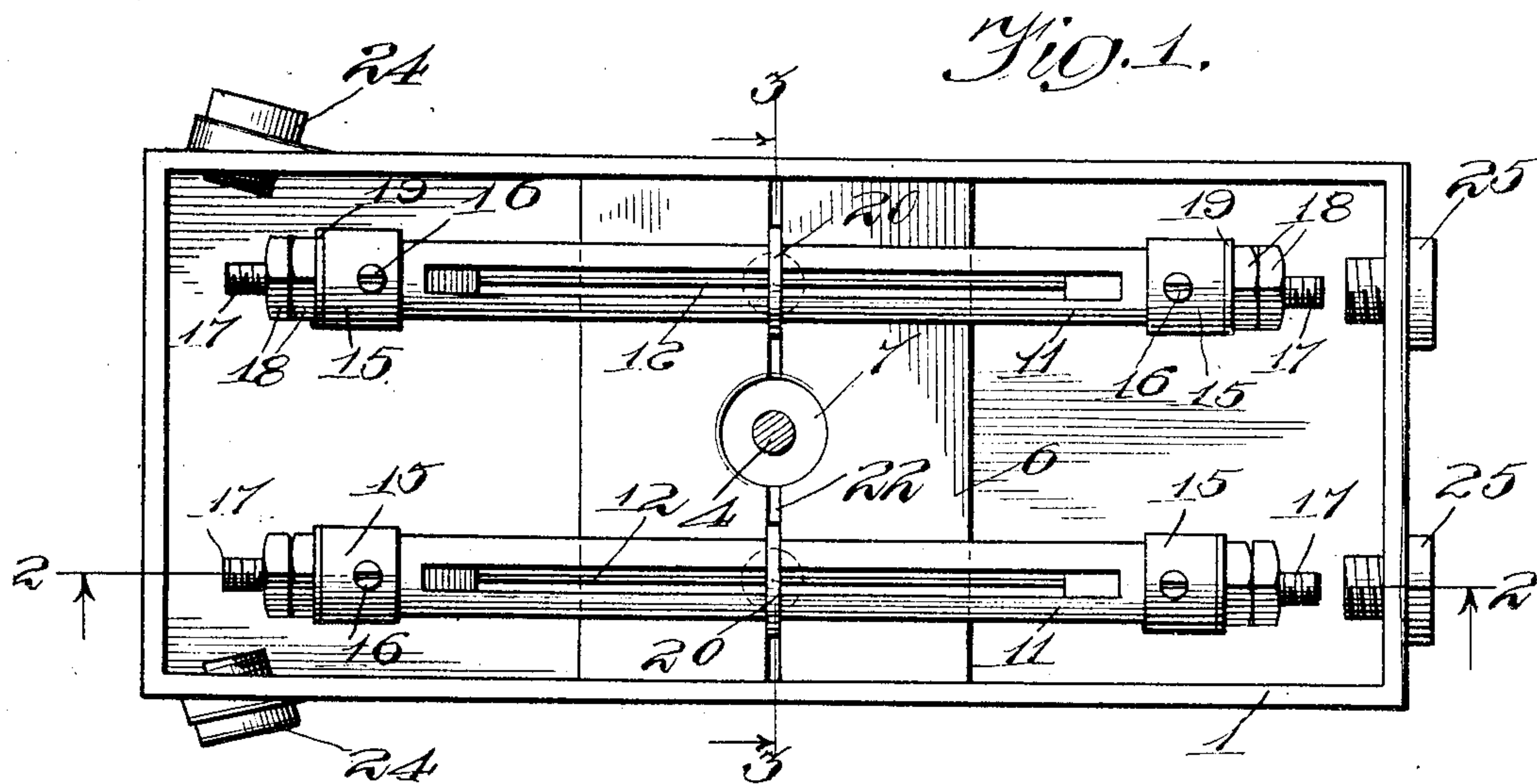
No. 843,553.

PATENTED FEB. 5, 1907.

C. A. ROLFE.

FUSE BOX.

APPLICATION FILED APR. 19, 1905.



Witnesses:

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Att'y.

UNITED STATES PATENT OFFICE.

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FUSE-BOX.

No. 843,553.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed April 19, 1905. Serial No. 256,512.

To all whom it may concern:

Be it known that I, CHARLES A. ROLFE, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Fuse-Boxes, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to fuse-boxes provided with fuse devices for use in protecting electrical circuits from unduly strong currents.

Prominent objects of the invention are to provide a simple, practical, and inexpensive form of fuse-box by which the fuse devices can be readily renewed and by which it can be instantly told whether or not the fuses have blown.

In the accompanying drawings, Figure 1 is a plan view of a fuse-box embodying my present invention. Fig. 2 is a longitudinal section taken on line 2 2 in Fig. 1. Fig. 3 is a transverse section taken on line 3 3 in Fig. 1.

The fuse-box shown comprises a metallic casing 1, preferably of rectangular form and having a cover 2. The bottom of the casing is provided with a centrally-disposed post 3, having a threaded socket, and the cover is provided with a screw 4, whose lower end is adapted to fit into the socket in the post 3, as shown in Fig. 3. The screw 4 is provided with a cross-pin 5 to prevent its slipping through the cover.

A block 6 of insulating material, preferably wood, is arranged in the middle of the casing 1, said block being of substantially the same width as the casing, so as to fit snugly therein, and having a central aperture 7, adapted to fit over the post 3. The block 6 is provided with apertures 8 8, adapted to receive screws 9 9, by which it can be secured to the bottom of the casing 1. The block 6 is provided with two slots or grooves 10 10, running lengthwise of the box, and into these are fitted two fuse-holding devices conveniently in the form of insulating-tubes 11 11, containing inclosed fuses 12 12. The sleeves or tubes 11 11 can be made of any insulating material—such, for example, as wood—and are desirably coated with some fireproofing substance. They are preferably provided with longitudinal slots 13 13, by which the fuses within can be seen. The ends of the sleeve 11 are provided with connecting devices for

attaching the line and instrument wires, preferably in the form of metallic caps 15 15, secured to the ends of the sleeves 11 by screws 16 16 and provided with threaded projections 17 17, carrying lock-nuts 18 18 and washers 19 19. The sleeves 11 11 are provided with clips 20 20, partly surrounding said sleeves at their middle points, and the block 6 is provided with a cross-slot 22, into which said clips 20 20 are adapted to fit. The clips 20 20 are conveniently in the form of a band of metal extended part way around the sleeves. Thus when the fuse-containing sleeves 11 11 are fitted into the slots 10 10 and the clips 20 20 fitted into the cross-slot 22 the fuse-sleeves are firmly supported by the block 6 and are held against endwise movement by the clips 20 20. Either or both fuse-holding sleeves can be removed by simply withdrawing them from the slot or slots in the block 6 and can be as easily replaced. Thus a simple and effective supporting device for the fuse-holding sleeves is provided. The block 6 can be removed at any time, if desired, by loosening the screws 9 9.

The casing 1 is provided at its upper end with side openings containing insulating-bushings 24 24 for the line-wires, and its lower end is provided with bushings 25 25 for the instrument-wires.

It will be understood that changes and modifications can be made without departing from the spirit of the invention.

What I claim is—

1. In a fuse-box, the combination with the casing, of a block of insulating material, devices for removably securing said block to the bottom of the casing, said block being provided with a longitudinally-extending slot or groove, and a cross slot or groove, a fuse-holding device adapted to fit in the longitudinally-extending slot or groove and provided with a projection adapted to fit in the cross-slot.

2. In a fuse-box, the combination with the casing, of a block of insulating material having a pair of longitudinally-extending slots, and a cross-slot crossing both of said longitudinal slots, screws for detachably securing said block to the bottom of the casing, a pair of insulating-sleeves adapted to fit into said longitudinal slots and containing inclosed fuses, and clips on said sleeves adapted to fit into said cross-slot.

3. A fuse-box comprising a casing having its bottom provided with a centrally-disposed

upwardly-extending post, a block of insulating material adapted to fit in the central portion of said casing and over said central post, said block having a pair of longitudinally-extending slots and a cross-slot cut in both of said longitudinal slots, screws for securing said block to the bottom of the casing, a pair of insulating-sleeves containing inclosed fuses, said sleeves being adapted to fit into said longitudinal slots and being provided with clips

adapted to fit in said cross-slot, a cover and screw for securing the same detachably in position.

In witness whereof I hereunto subscribe my name this 29th day of March, A. D. 1905. 15

CHARLES A. ROLFF.

Witnesses:

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A. M. BELFIELD.