

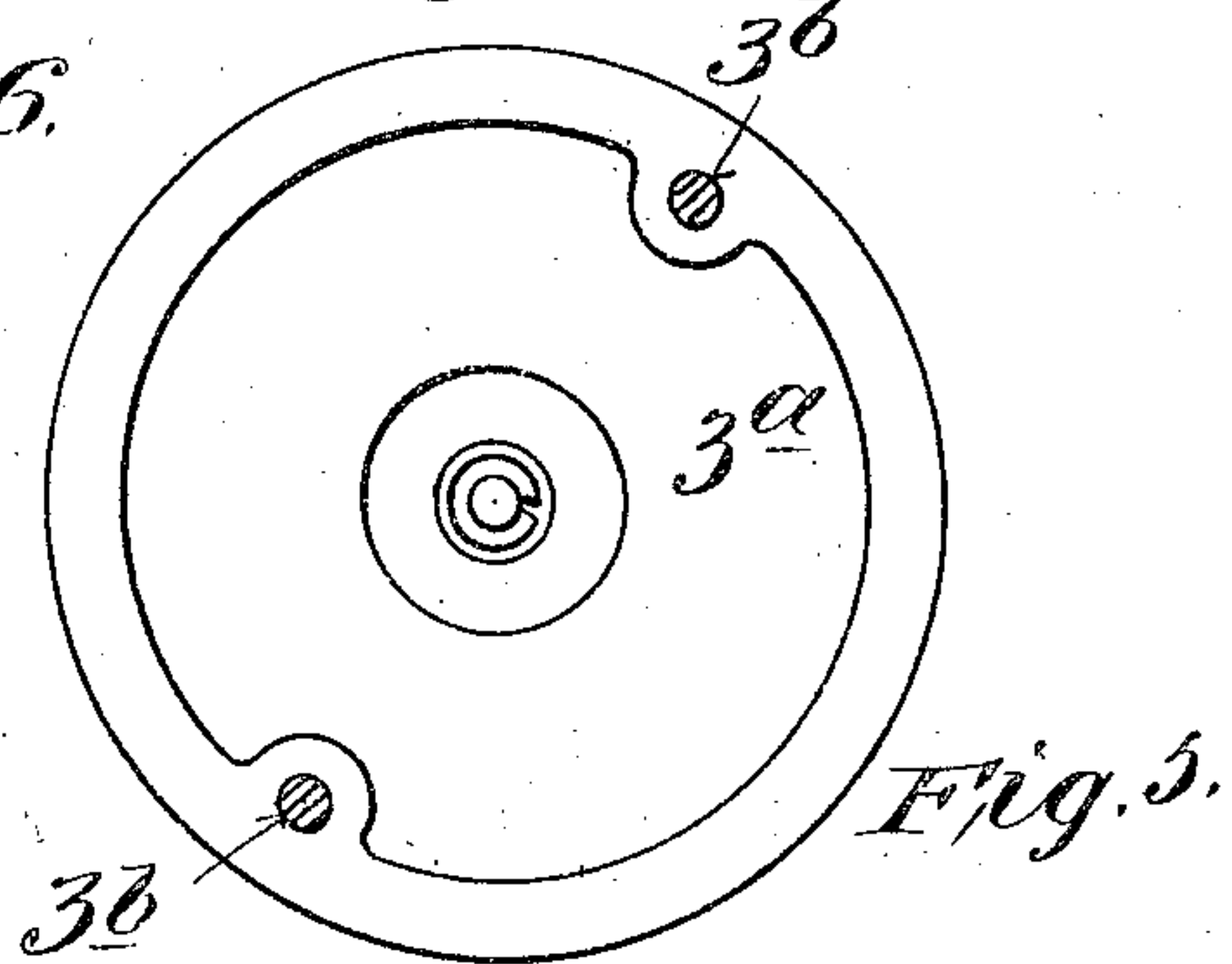
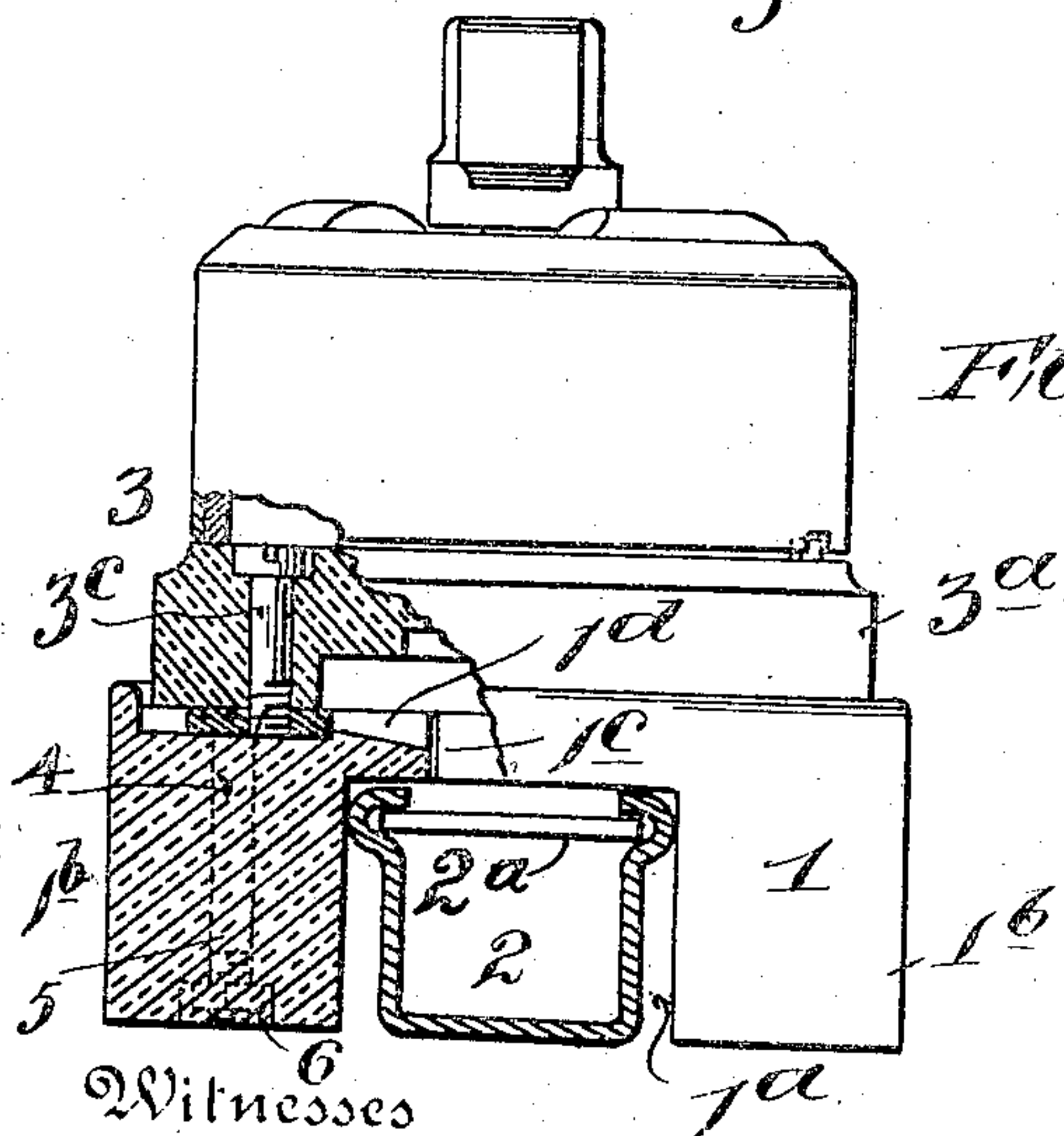
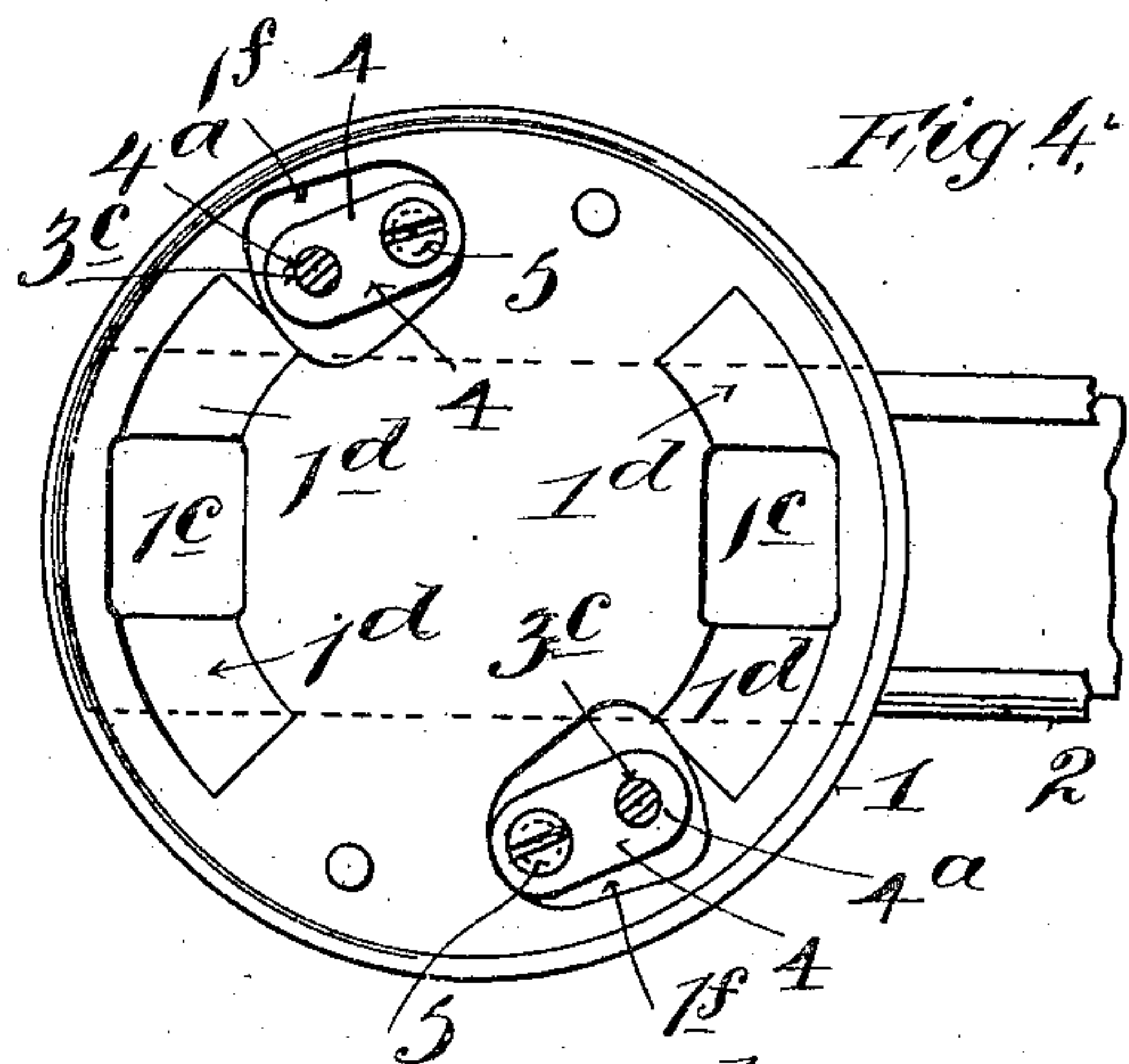
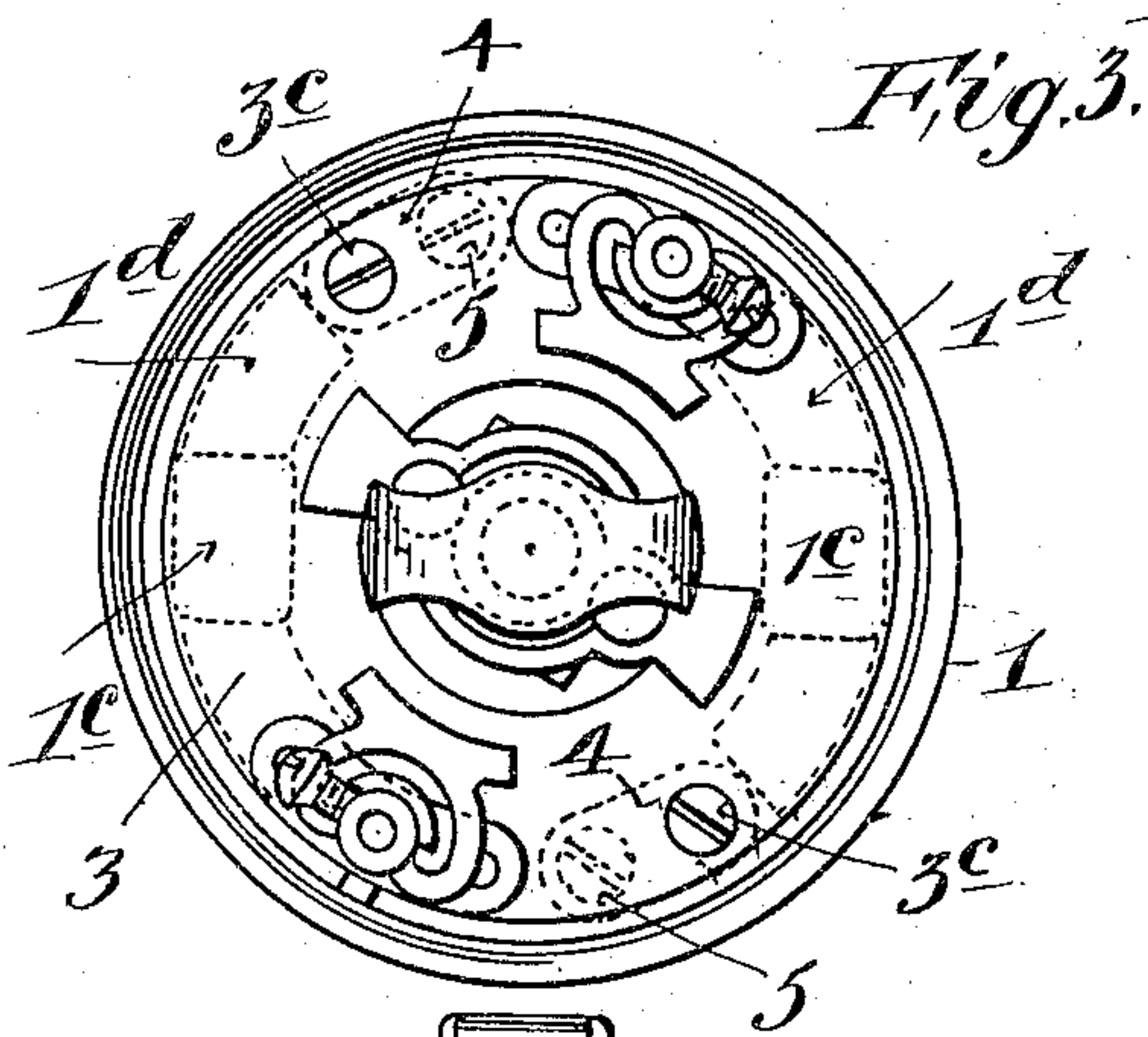
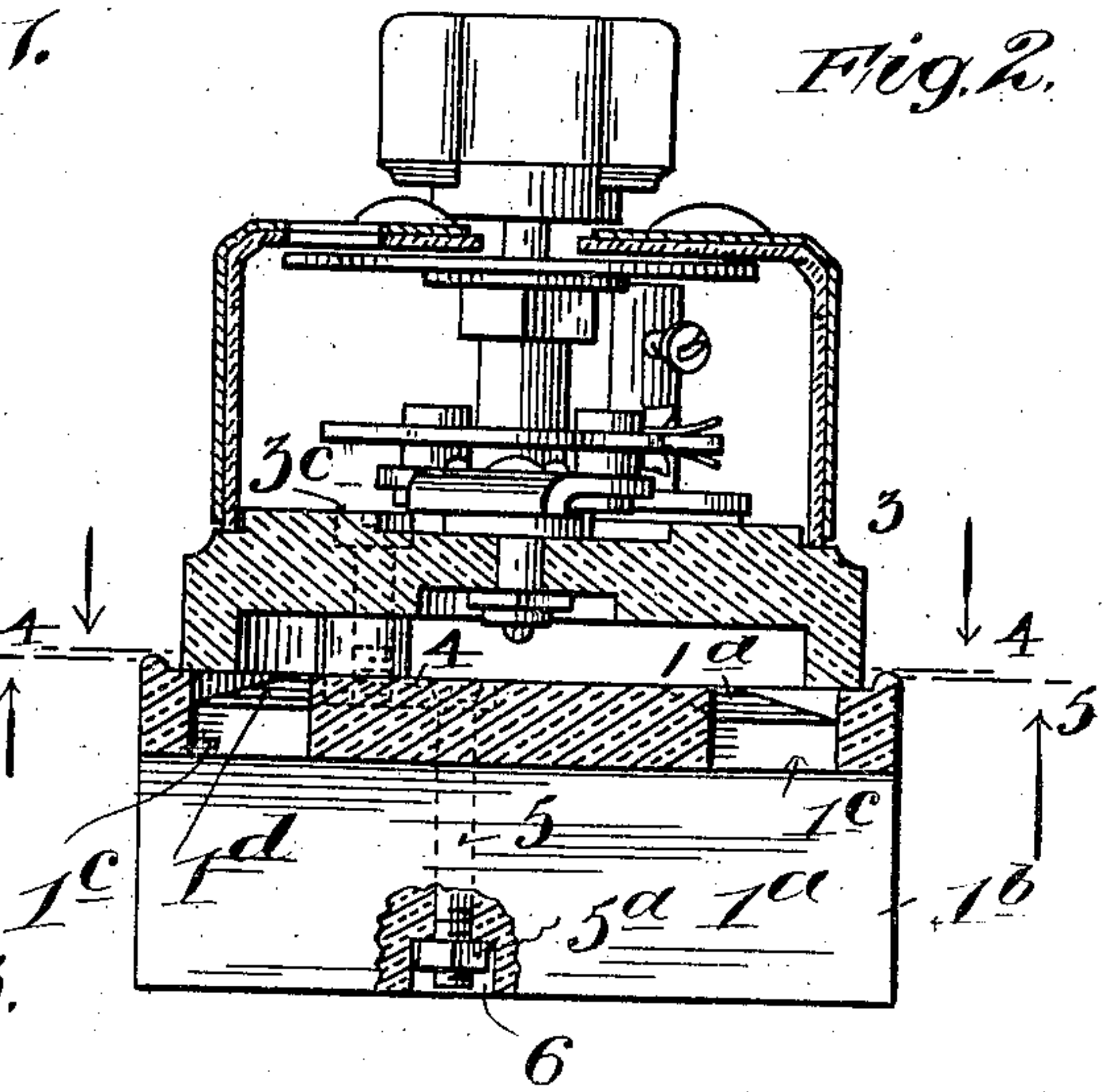
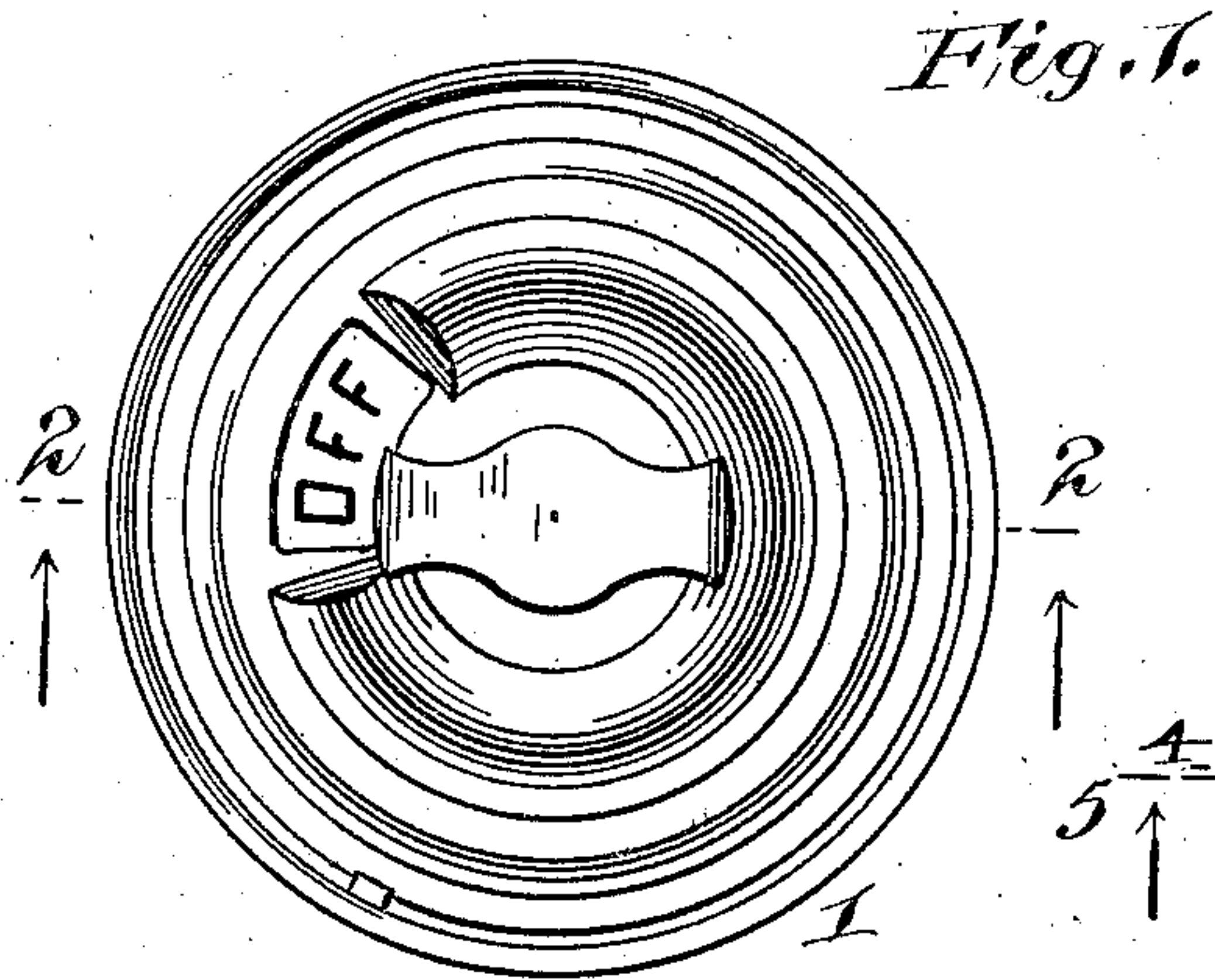
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PATENTED OCT. 30, 1906.

C. C. SIBLEY & G. A. LUTZ.

BASE FOR SUPPORTING SWITCHES AND THE LIKE UPON CONDUITS.

APPLICATION FILED OCT. 26, 1905.



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UNITED STATES PATENT OFFICE.

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BASE FOR SUPPORTING SWITCHES AND THE LIKE UPON CONDUITS.

No. 834,686.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, CLARENCE C. SIBLEY, residing in Perth Amboy, Middlesex county, New Jersey, and GEORGE A. LUTZ, residing in New York city, borough of Brooklyn, New York, citizens of the United States, have invented certain new and useful Improvements in Bases for Supporting Switches and the Like upon Conduits, of which the following is a specification.

The object of this invention is to provide improved means to permit the ready mounting of electrical fittings—such as switches, rosettes, and analogous fittings—upon or in connection with conduits for electric wires. To this end a base is provided, preferably of insulating material, adapted to fit upon or over a conduit, and such base is provided with means to permit the attachment thereto of switches and analogous fittings that may vary in dimensions, whereby to enable such fittings that may be upon the market to be readily mounted upon or used in connection with conduits without requiring the fittings to be separately constructed for use in connection with the conduits, although specially-constructed fittings may be mounted upon such bases.

The invention further comprises the novel details of improvement that will be more fully hereinafter set forth and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming part hereof, wherein—
Figure 1 is a plan view illustrating a well-known type of switch mounted upon the improved base. Fig. 2 is a section on the line 2 2 in Fig. 1. Fig. 3 is a view similar to Fig. 1 with the cap of the switch removed. Fig. 4 is a plan view of the improved base looking in the direction of the arrows 4 4 in Fig. 2. Fig. 5 is an inverted plan view of the switch looking in the direction of the arrows 5 5 in Fig. 2; and Fig. 6 is a side elevation at right angles to Fig. 2; showing the base mounted upon the conduit, parts being broken away.

Similar numerals of reference indicate corresponding parts in the several views.

The numeral 1 indicates a base which may be of any suitable material, preferably of porcelain, and which is provided on its under side with a gain or recess 1^a, adapted to receive a conduit, as 2, whereby the base may be conveniently fitted upon the conduit, so

that the side portions 1^b of the base will be on opposite sides of the conduit.

At 3 is indicated generally a switch, such as a snap-switch of any well-known construction, the base or insulating portion 3^a of which is adapted to fit upon the base 1. The upper part or top of base 1 is shown provided with holes 1^c, that communicate with the gain 1^a and with the upper surface of the base to permit the wires from conduit 2 to be drawn through the top portion of the base for connection with electric fittings. In order to permit such wires to be conveniently passed under the base 3^a of a fitting for connection with the terminals thereof, the upper surface of base 1 at the sides of the holes 1^c is preferably recessed at 1^d on one or both sides of the holes 1^c, the bottoms of which recesses 1^d preferably incline upwardly from the edges of holes 1^c to the surface of base 1, whereby the parts of the recesses 1^d adjacent the edges of holes 1^c will be the deepest, although this particular shape of the recesses 1^d may be varied. By this means when the wires are drawn from the conduit 2 through the holes 1^c for connection with the terminals of the switch or other fitting 3 the wires may lie conveniently in the recesses 1^d beneath the base 3, whereby the outer rim portion of the latter may fit snugly upon the top surface of base 1.

The base 3^a of the switch is shown provided with customary holes 3^b to receive screws 3^c for holding the switch upon a support, and in the example illustrated in the drawings the base 1 is provided with means to receive the screws 3^c for holding the switch upon base 1. As the switches or analogous fittings to be mounted upon base 1 may vary in dimensions, whereby the distance between the respective holes 3^b may vary, the base 1 is provided with means for receiving the corresponding screws 3^c notwithstanding differing distances between such screws on different bases 3^a of the switches. To this end the base 1 is provided with adjustable holding devices 4, located upon its outer or upper surface. The holding devices shown comprise metal pieces provided with threaded holes 4^a to receive the screws 3^c from the base 3^a, and the holding-pieces 4 are shown held upon base 1 by bolts or screws 5, that pass through corresponding holes in the pieces 4 and through holes in base 1 and receive nuts 5^a, which

nuts are shown located in recesses 6 in the under surface of the side portions 1^b of base 1. By this means the threaded holes 4^a of the holding-pieces 4 may be adjusted toward and
 5 from the center of base 1 to vary the distance between such holes to accord with the distance between the holes 3^b of the switch or analogous fitting 3 to be mounted upon base 1. Thus when switches or the like 3 are
 10 to be placed upon base 1 the holes 4^a of the holding-pieces 4 will be adjusted to aline with the holes in the base of the switch or the like to receive the screws 3^c, and then, if desired, the nuts 5^a may be tightened to retain the
 15 holding-pieces 4 firmly in position, and by this means the switches or the like may be centrally mounted upon base 4 in a convenient and simple manner and firmly held in position.

20 In order that the holding-pieces 4 may not interfere with the proper fitting of the base 3^a upon the base 1, the upper surface of base 1 may be provided with recesses 1^f, in which the holding-pieces 4 may be located, so that
 25 the upper surfaces of said pieces 4 need not project above the top surface of base 1, and thereby the base 3^a may fit upon base 1 over the pieces 4 snugly and without interference, and the holding-pieces 4 may thereby be ad-
 30 justed upon their screws 5 sidewise within the recesses 1^f the required distance.

While we have illustrated a snap-switch 3 secured upon base 1 by the holding-pieces 4, it will be understood that rosettes and analo-
 35 gous electric fittings of proper dimensions and shape may be mounted upon and secured to base 1 by the means shown, the bases being made to accommodate such fittings that may be usu-
 40 ally upon the market, whereby such fittings may be conveniently used in connection with the type of conduit shown that has one side open and a removable cover 2^a, the bases 1 thereby being adapted to a variety of
 45 fittings without requiring the latter to be specially formed to fit the bases 1, although the fittings may be made especially adapted to the bases 1.

Having now described our invention, what we claim is—

50 1. The combination of an electric fitting, with a base upon which said fitting is mounted, said base being provided with adjustable holding devices, that are located between the

base and the fitting, and means for connecting the said fitting with said holding devices 55 to hold the fitting upon the base.

2. The combination of an electric switch having a base portion, with a base upon which the switch is mounted, said base being provided with holding-pieces, means for attach- 60 ing said pieces upon the base so they may be adjusted toward and from the center of the base, and means for securing the switch upon the holding-pieces.

3. The combination of a base having a gain 65 on one side and adjustable holding-pieces on the other side, with an electric fitting mounted upon the base, and means for connecting said fitting with said holding-pieces.

4. The combination of a base having a gain 70 on one side, holding-pieces upon the opposite sides of the base, and means for adjustably attaching said pieces upon the base, with an electric fitting mounted upon the base, and means connecting said fitting with said ad- 75 justable holding-pieces.

5. A base provided with recesses in one face, adjustable holding-pieces located in said recesses, and bolts or screws passing through said pieces and through holes in the 80 base for adjustably holding said pieces in said recesses.

6. A base provided with a gain in one side and having recesses in its opposite side on opposite sides of the gain, holding-pieces in 85 the last-named recesses, and means for adjustably retaining said holding-pieces in said recesses.

7. A base provided with a gain in one side and holes communicating with the gain and 90 with the opposite surface of the base, and recesses in the last-named surface of the base communicating with said holes.

8. The combination of a conduit having one side open and a removable cover there- 95 for, a base having a gain receiving said conduit, holes in the base leading from the gain through the opposite face of the base, holding-pieces on the base, a fitting mounted upon the base, and means connecting the fitting 100 with said holding-pieces.

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