

No. 715,689.

Patented Dec. 9, 1902.

C. D. PLATT.
ELECTRICAL SWITCH.

(Application filed Aug. 19, 1902.)

(No Model.)

FIG. 1.

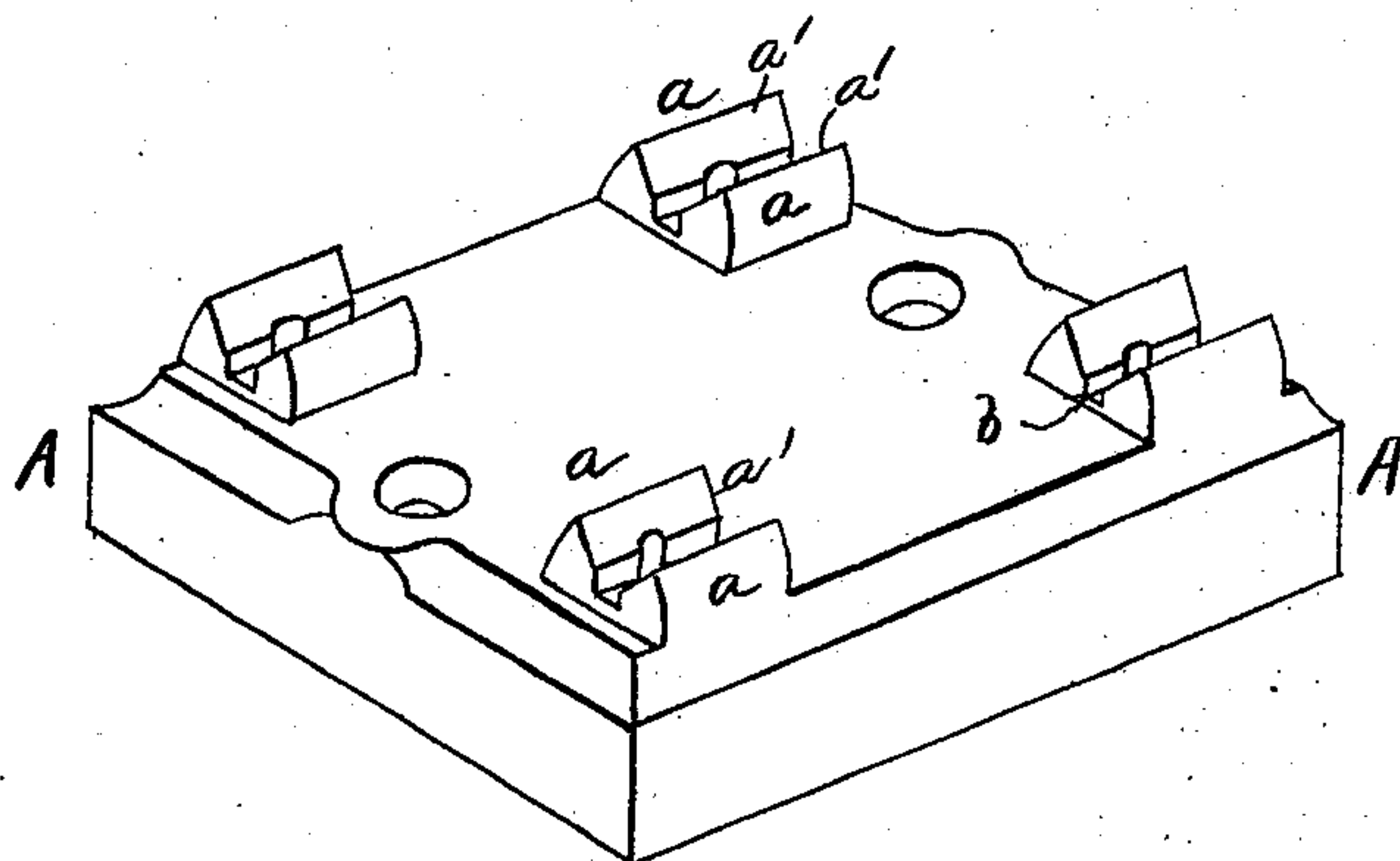


FIG. 2.

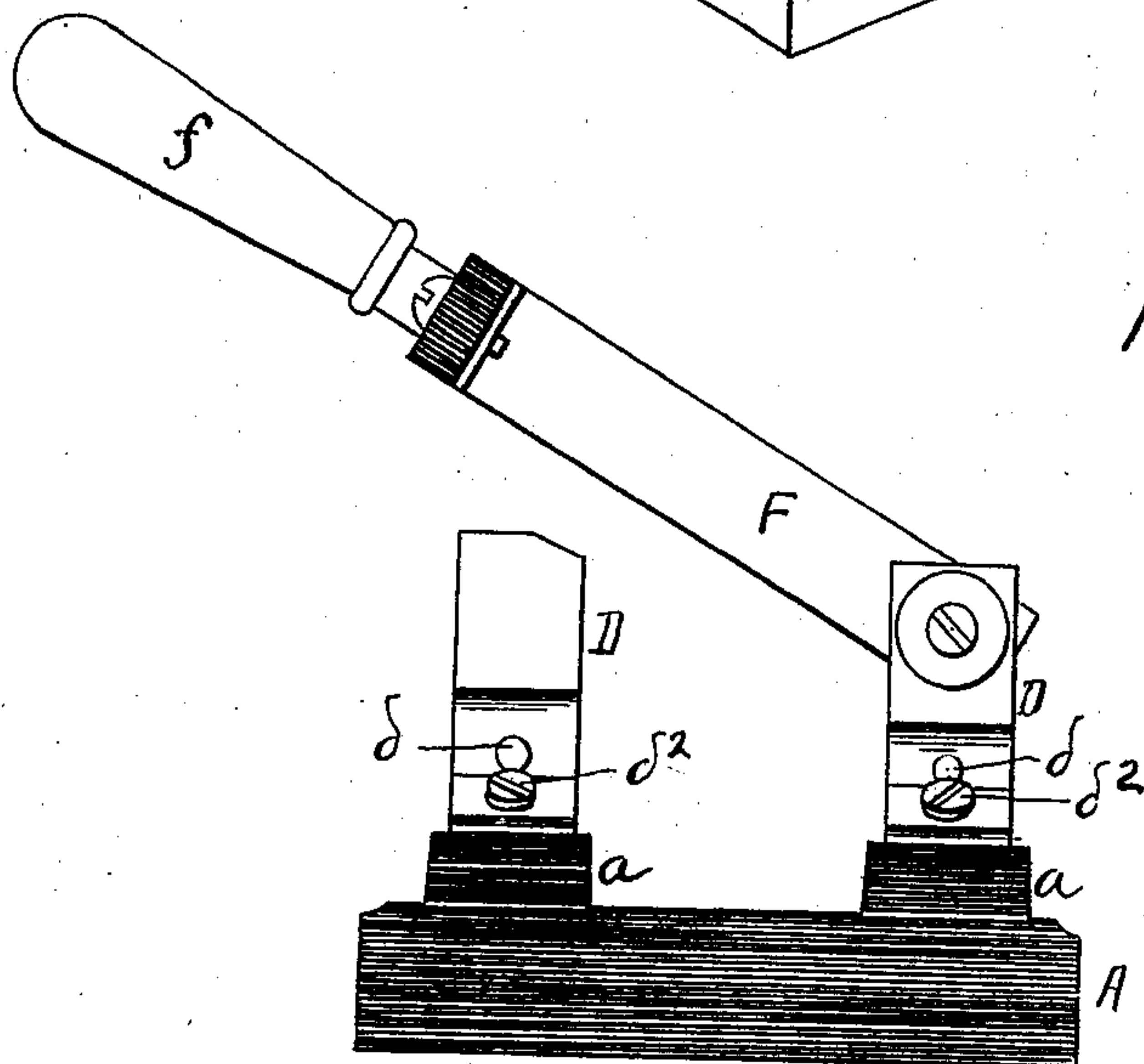
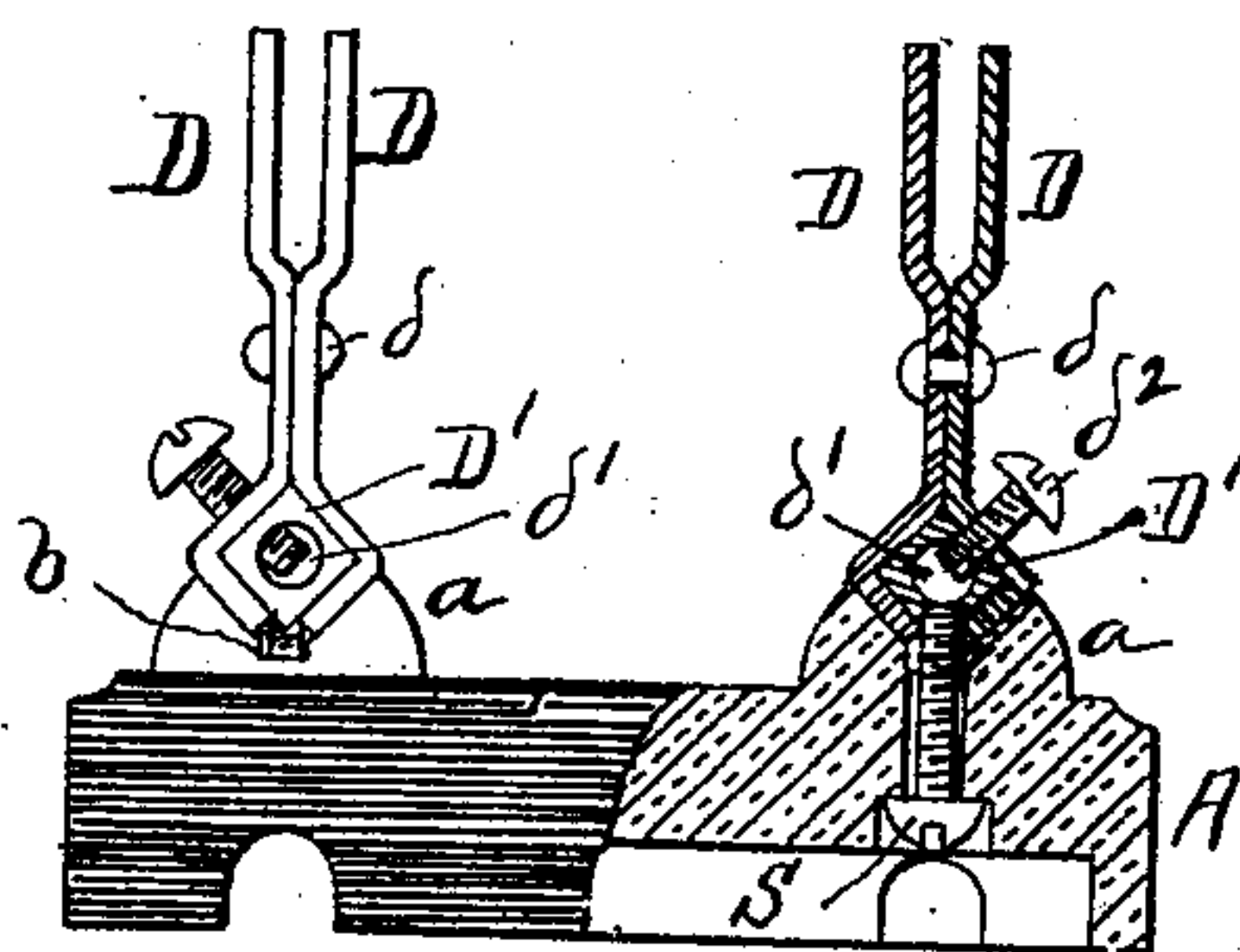


FIG. 3.



WITNESSES:

F. W. Wright.
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INVENTOR

CLARENCE D. PLATT

BY

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HIS ATTORNEYS

UNITED STATES PATENT OFFICE.

CLARENCE D. PLATT, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE BRYANT ELECTRIC COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

ELECTRICAL SWITCH.

SPECIFICATION forming part of Letters Patent No. 715,689, dated December 9, 1902.

Application filed August 19, 1902. Serial No. 120,220. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE D. PLATT, a citizen of the United States, residing at Bridgeport, Fairfield county, Connecticut, have invented certain Improvements in Electrical Switches, of which the following is a full, clear, and exact specification.

The main object of my invention is to so construct an electrical switch of the knife type that the clips can be quickly and readily fixed in place and will be securely held in position.

My invention is especially applicable to the construction of the smaller sizes of knife-switches, commonly known as "baby" knife-switches.

In the accompanying drawings, Figure 1 is a perspective view of the porcelain or other insulating base of a baby knife-switch embodying my invention. Fig. 2 is a side elevation of the complete switch in the open position; and Fig. 3 is an end view, partly in section, on line 3 3, Fig. 2.

On the insulating-base A of the switch, which may conveniently be made of porcelain, I form projecting lugs a , arranged in pairs, there being as many pairs as there are clips to be fixed to the base. For a single knife-switch having two blades there should be four such pairs of projecting lugs, as shown in Fig. 1. The adjacent faces a' of the lugs are beveled to form between the lugs of each pair a V-shaped groove, but leaving a longitudinal channel b at the bottom of the groove. At about the center of each of these V-shaped grooves I form an opening through the porcelain base for the insertion of the headed screw S, by which the metal clip may be secured in place and held in the V-shaped groove. I pre-

fer to employ the form of clips illustrated in Figs. 2 and 3. Each clip is shown as consisting of two metal plates D D, riveted together at d and bent at their lower ends to embrace a rectangular block D' of metal, having a longitudinal opening d' for the insertion of the conductor end. A binding-screw d^2 is set in through the side, as illustrated in Figs. 2 and 3. To two of the clips the pair of knife-blades F, with their insulated handle f , will be hinged, so that when turned down on their hinges the blades may engage with the other two clips and close the circuit in the usual way.

I claim as my invention—

1. An insulating-base for an electrical knife-switch, said base having projecting lugs a in pairs, with their adjacent faces beveled to form V-shaped grooves, as and for the purpose set forth.

2. An insulating-base for an electrical knife-switch, said base having projecting lugs a in pairs, with their adjacent faces beveled to form V-shaped grooves, and channels at the bottom of the grooves, as and for the purpose set forth.

3. An electrical knife-switch, comprising an insulating-base having projecting lugs a in pairs, with their adjacent faces beveled to form V-shaped grooves in combination with metallic clips fitted and secured in said groove, substantially as described.

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

CLARENCE D. PLATT.

Witnesses:

SIDNEY N. LOCKWOOD,
ROBERT WEBER, Jr.