

No. 720,475.

PATENTED FEB. 10, 1903.

C. D. PLATT.
CLIP FOR ELECTRICAL KNIFE SWITCHES.
APPLICATION FILED DEC. 9, 1902.

NO MODEL.

FIG. 1.

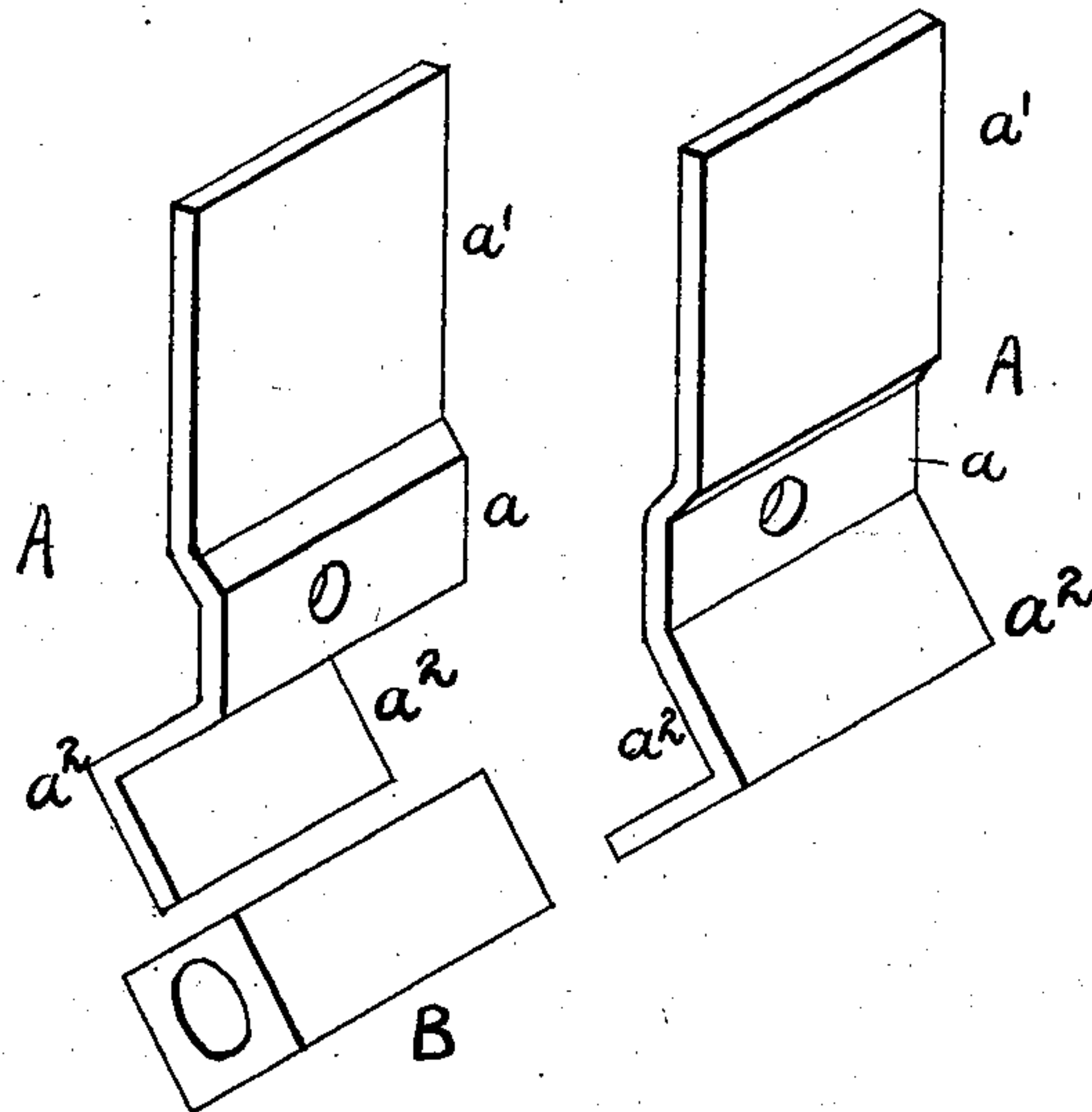


FIG. 2.

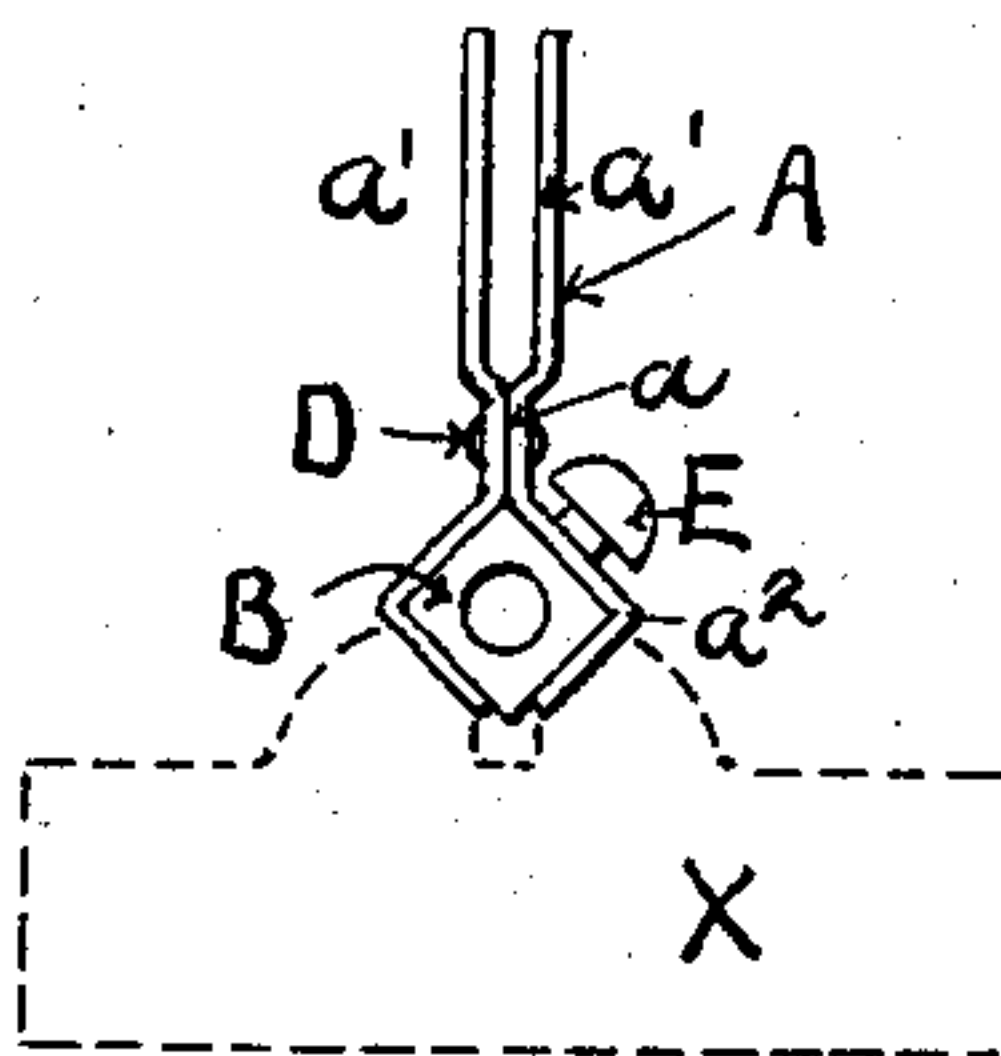


FIG. 3.

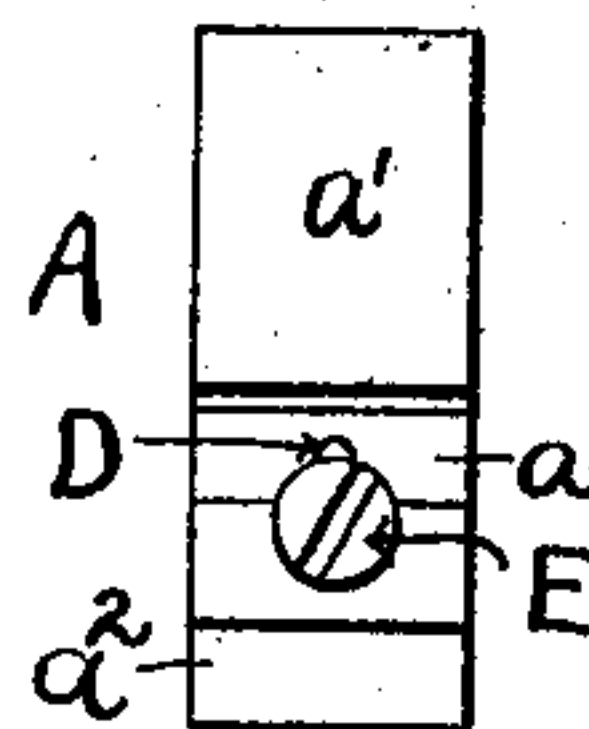


FIG. 4.

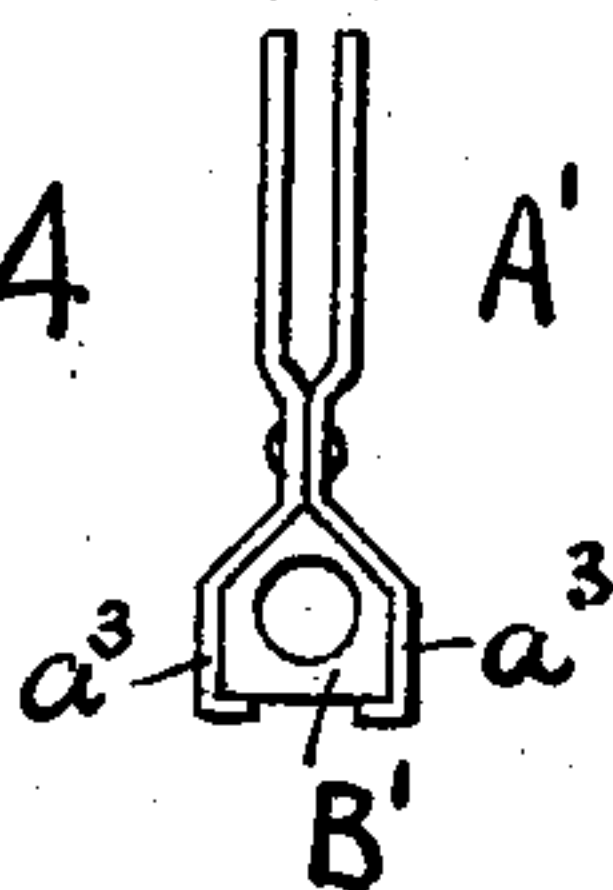
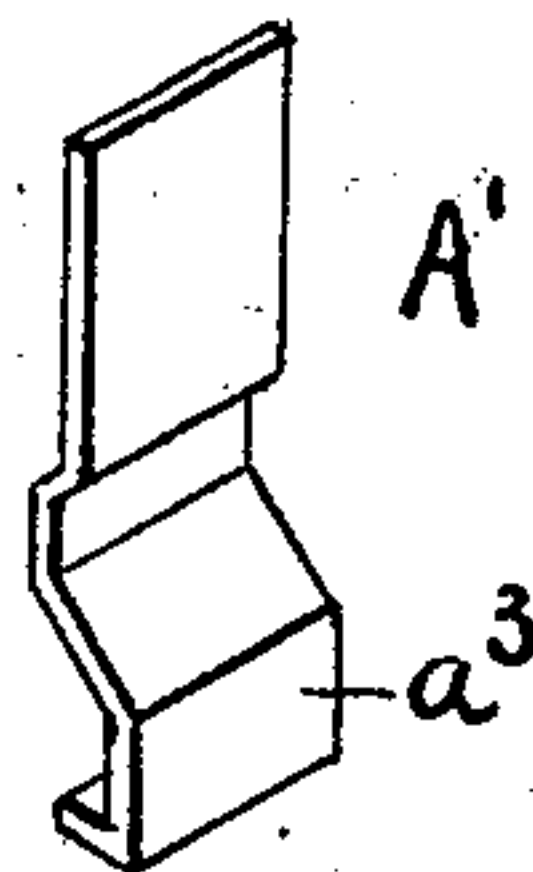


FIG. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

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

CLIP FOR ELECTRICAL KNIFE-SWITCHES.

SPECIFICATION forming part of Letters Patent No. 720,475, dated February 10, 1903.

Application filed December 9, 1902. Serial No. 134,466. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE D. PLATT, a citizen of the United States of America, residing in Bridgeport, in the county of Fairfield, State of Connecticut, have invented Improvements in Clips for Electrical Knife-Switches, of which the following is a specification.

The main object of my invention is to construct clips for the contacts and hinging lugs of electric knife-switches so that they can be economically manufactured.

In the accompanying drawings, Figure 1 is a perspective view of the several parts from which my improved clip is made. Fig. 2 is an end view of the finished clip drawn to a smaller scale. Fig. 3 is a side view of the same. Fig. 4 is a sectional view of a modification, and Fig. 5 is a perspective view of the clips of the modified form illustrated in Fig. 4.

My improved construction of clip is particularly adapted for use in connection with knife-switches of the smaller type, in which the plates are hinged to one pair of clips and make contact with the other pair, these clips being mounted upon a suitable insulating-base.

In Fig. 1 I have shown the clip parts on an enlarged scale.

My improvement consists in making each clip of a pair of plates A A, Fig. 1, precisely alike and of such a character that each plate can be made complete at a single operation and then combined with a tubular block B of angular section externally. The two plates are to be riveted together to grasp between them, at their lower ends, this angular block, which has a hole to receive the bared end of the conductor. One of the plates and the plug are to be tapped with a thread to receive the binding-screw.

The preferred construction of plate is shown in Figs. 1, 2, and 3, and comprises a middle portion a , with the central riveting-hole,

an offset upper portion a' to receive the switch-blade, and a lower bent portion a^2 , which in the construction shown in Figs. 1, 2, and 3 is V-shaped in character to embrace and grip the corresponding edges of the tubular block B, which is here shown as of rectangular section. It will be seen that when a pair of these plates is riveted together, as at D, Fig. 2, these V-shaped bent ends a^2 of the plates constitute spring-jaws to tightly grip between them the angled block B. In Figs. 2 and 3 I have shown the binding-screw E as in place, and I have indicated by dotted lines at X the insulating-base, upon which the clip is mounted and held by a screw passing up from the under side of the base.

In the modification shown in Figs. 4 and 5 the angular block is shown as of pentagonal section, and the gripping-jaws a^3 of the plates A' A' are shaped accordingly.

I claim as my invention—

1. The herein-described clip for an electric knife-switch, consisting of a pair of plates riveted together at their middle and having at one end parts to receive the knife-blade, and at the other end angular jaws to embrace and grip an angular block for the wire connection.

2. The herein-described clip for an electrical knife-switch, comprising a tubular block of angular section, in combination with a pair of plates riveted together at their middle and having at one end parts to receive the switch-blade and at their other ends angular jaws to embrace and grip the said block, 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:

ANTHONY N. JESBERA,
HUBERT HOWSON.