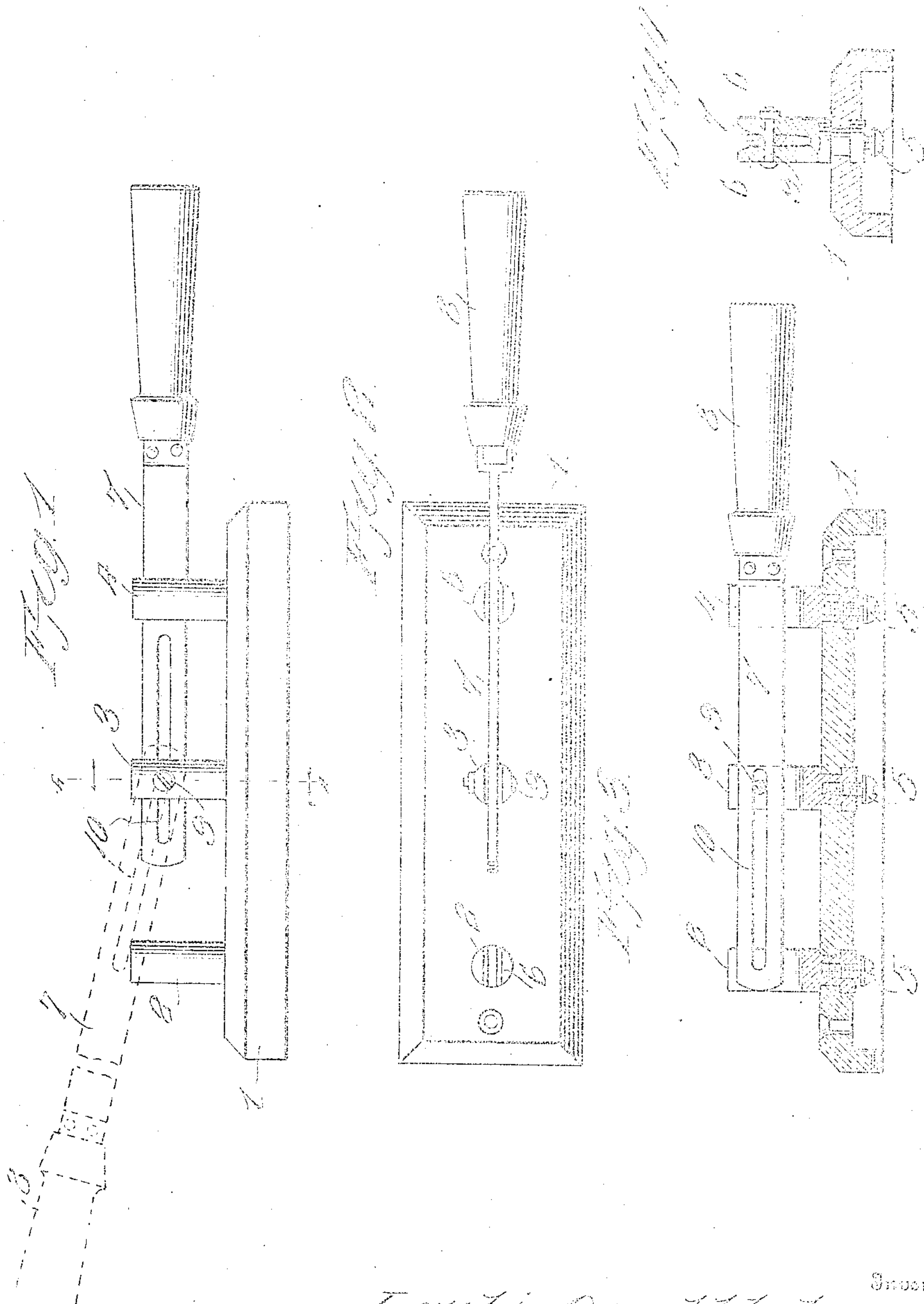


L. QUATTLEBAUM.
SWITCH.
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925,325.

Patented June 15, 1909



Witnesses

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LOULIE QUATTLEBAUM, OF DECATUR, MISSISSIPPI.

SWITCH.

No. 925,225.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LOULIE QUATTLEBAUM, a citizen of the United States, residing at Decatur, in the county of Newton and State of Mississippi, have invented new and useful Improvements in Switches, of which the following is a specification.

The invention relates generally to an improvement in switches and particularly to a telephone knife switch.

The main object of the present invention is the provision of a switch in which the blade has a pivotal and sliding connection with one terminal post, whereby connection may be made between two or more terminal posts at the will of the operator.

The invention will be described in the following specification, reference being had particularly to the accompanying drawings, in which:—

Figure 1 is a view in elevation illustrating my improved switch. Fig. 2 is a plan of the same. Fig. 3 is a longitudinal section of the same. Fig. 4 a transverse section of the same on line 4—4 of Fig. 1.

Referring particularly to the accompanying drawings, my improved switch comprises a base 1 constructed of insulating material in which there may be secured during the molding of the base a series of terminal posts, as 2, 3, and 4, these posts being preferably formed to insure proper connection with the base and being provided with binding screws in their lower ends to permit the connection of the wires.

The details of structure of the terminal post or base are not material to the present invention, and it is to be understood that I contemplate the use of any desired form or arrangement of these parts. An essential feature of the construction, however, is that the terminal posts must be in alinement, and preferably, though not necessarily, longitudinally slitted to provide divergent arms 6, as shown in Fig. 4. The knife or switch blade includes a blade proper 7 to one end of which there is secured a handle 8 in any usual or preferred manner. The central post of the series, as 3, carries a pivot pin 9 bridging the space between the arms 6 of said post, and on this pin the blade 7 of the knife is slidably and pivotally mounted. The connection is secured by forming the blade 7 with an elongated slot 10, which embraces the pivot pin, as shown in Fig. 3.

The blade is thus pivotally and slidably connected to the central post 3, it being understood that the blade proper is of a length somewhat exceeding the maximum distance between the end posts 2 and 4, while the slot 10 is of a length somewhat exceeding the distance between the central post and either of the end posts.

In use it will be apparent that connection may be made between the central post and either end post 2 and 3 by turning the blade on its pivotal support and seating that portion of the blade beyond the slot between the arms 6 of the designated post. With the construction described it is also possible to cause the blade to electrically connect all three posts by sliding the blade longitudinally and disposing it between the divergent arms of the respective posts, as shown in Fig. 3.

The improved switch thus provides a means whereby a main terminal post, as 3, may be connected with either one or both of the spaced terminal posts, thereby materially facilitating and increasing the function of the switch.

Having thus described the invention what is claimed as new, is:—

1. A switch including a central terminal post and end terminal posts, and a blade having a pivoted and sliding connection with the central terminal post to permit its engagement with either one or both of the end terminal posts.

2. A base having a central terminal post and end terminal posts arranged in alinement with the central terminal post and with each other, and a blade having a sliding and pivotal connection with the central terminal post, the sliding movement of the blade being in excess of the distance between the central post and either end post.

3. A switch including three terminal posts, a blade formed with an elongated opening, and a pin carried by one of said posts and adapted to be passed through the opening in the blade, whereby said blade is slidably and pivotally connected to one of the posts and adapted for engagement with either or both of the remaining posts.

In testimony whereof I affix my signature in presence of two witnesses.

LOULIE QUATTLEBAUM.

Witnesses:

LOTTIE HUNTER,

E. V. WELLS.