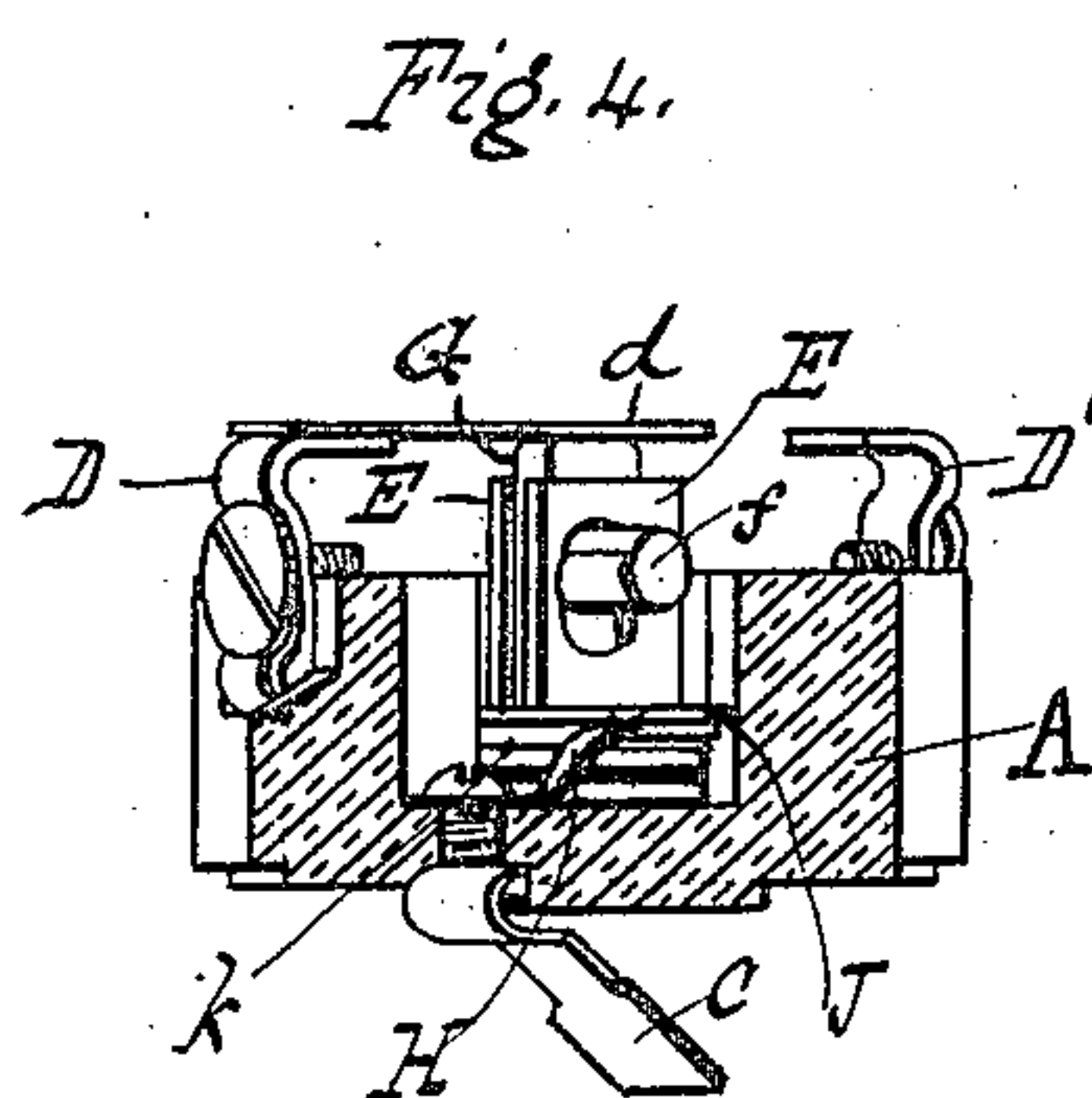
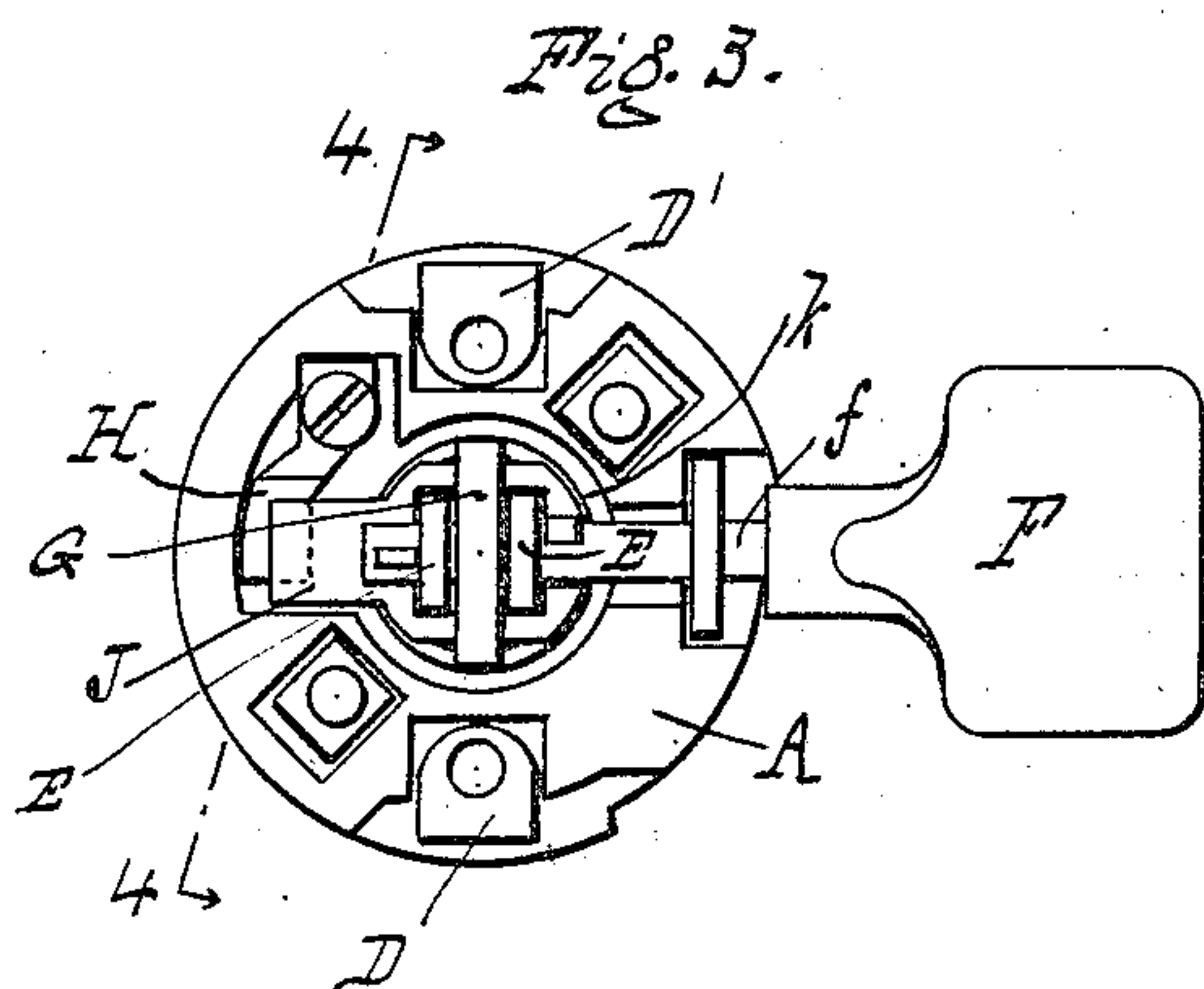
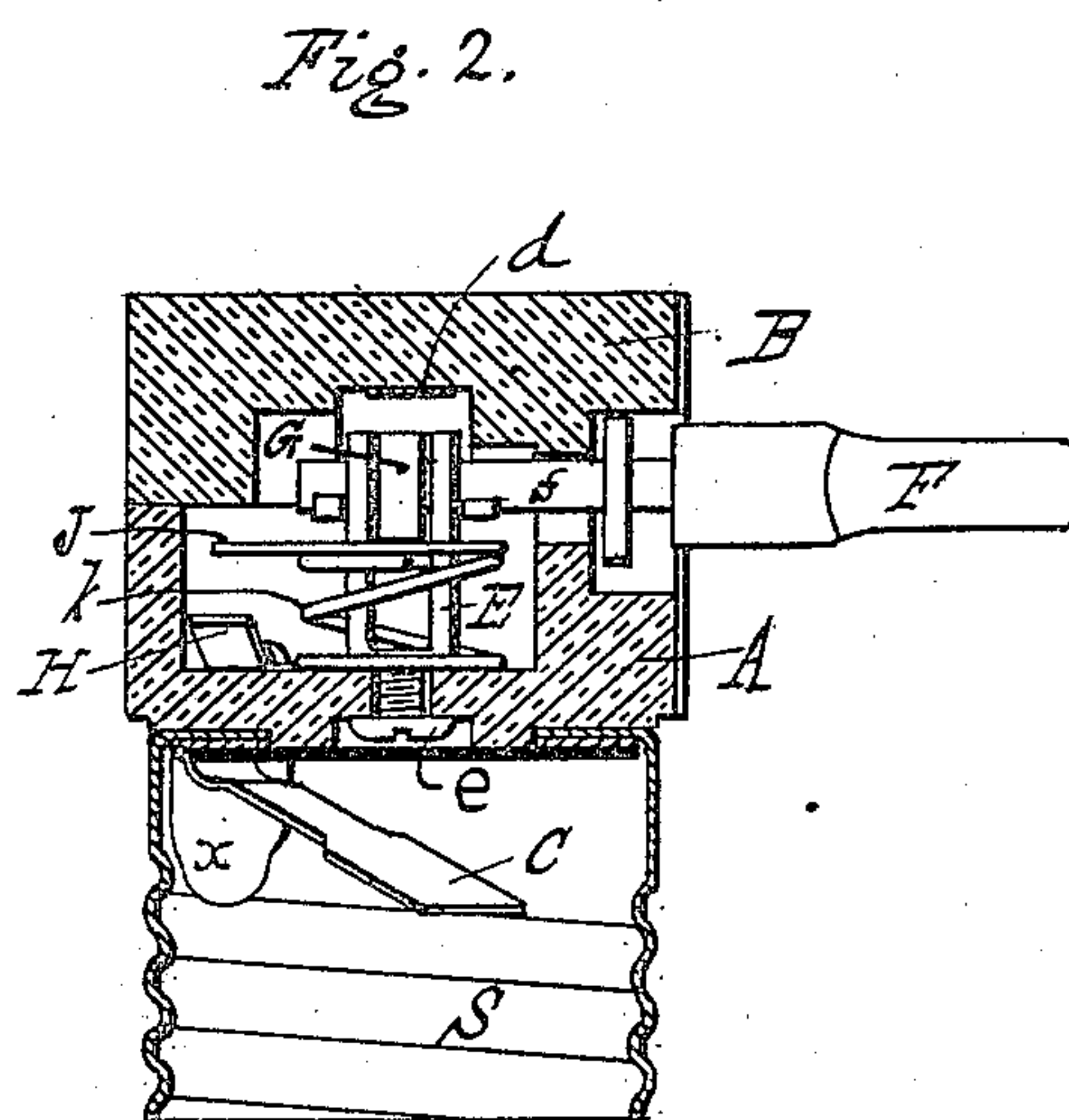
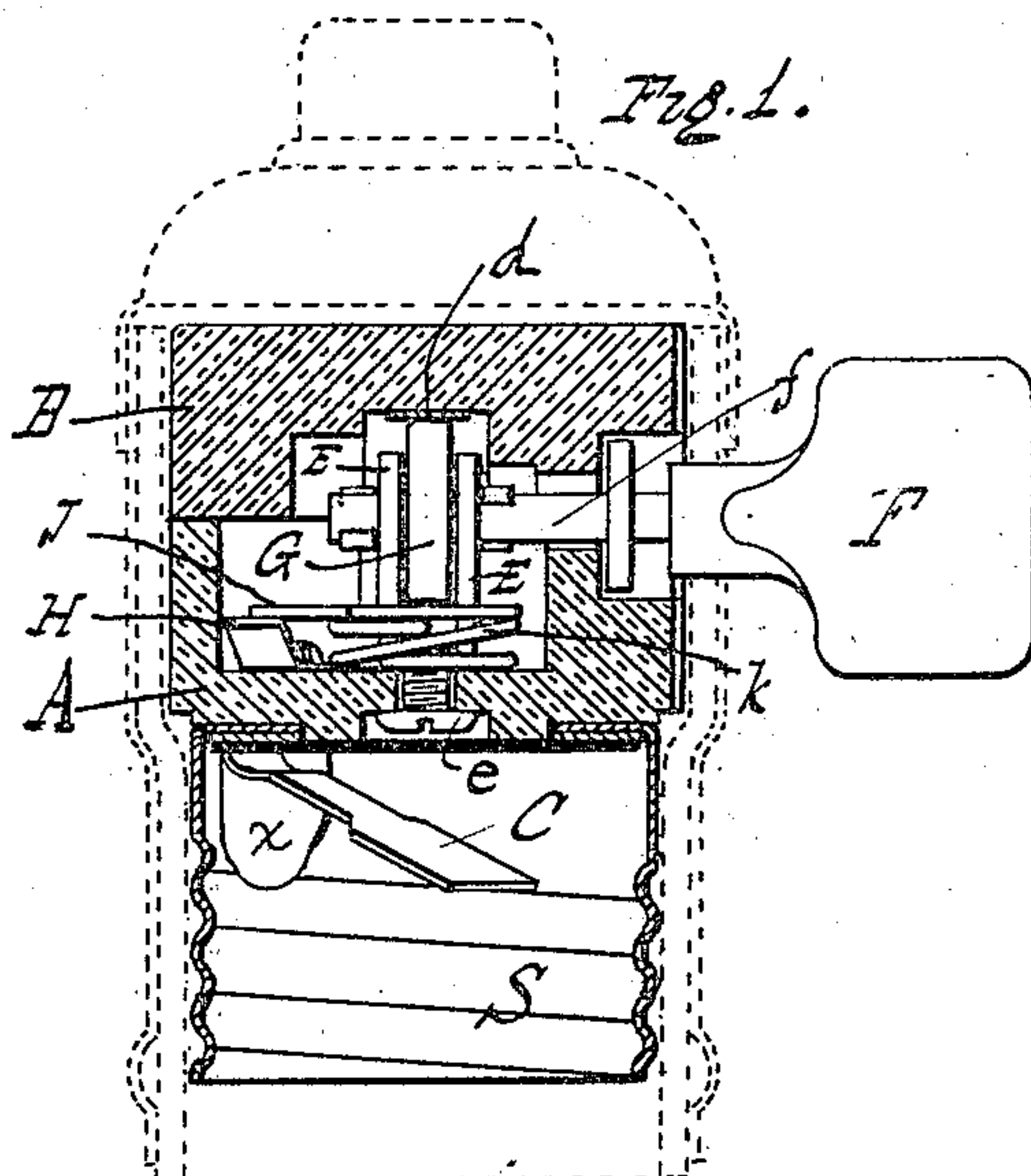


F. P. POOLE.
ELECTRIC LAMP SOCKET.
APPLICATION FILED SEPT. 21, 1909.

944,208.

Patented Dec. 21, 1909.



WITNESSES:
Halter, Abbott
L. H. Grotz

INVENTOR
Frederick P. Poole
BY
Hawson and Hawson
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FREDERICK P. POOLE, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE PERKINS ELECTRIC SWITCH MFG. COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

ELECTRIC-LAMP SOCKET.

944,208.

Specification of Letters Patent.

Patented Dec. 21, 1909.

Application filed September 21, 1909. Serial No. 518,847.

To all whom it may concern:

Be it known that I, FREDERICK P. POOLE, a citizen of the United States of America, and residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Electric-Lamp Sockets, of which the following is a specification.

The object of my invention is to provide an electric incandescent lamp socket with a simple switch mechanism giving a double break when the key is turned to cut out the current.

In the accompanying drawing, Figure 1 is a vertical section, of my improved socket, the lined inclosing shell being indicated in dotted lines; Fig. 2 is a similar view with the switch key turned to the open position; Fig. 3 is a plan view of the socket Fig. 2, with the upper insulating button removed; and Fig. 4 is a sectional view on the line 4—4, Fig. 3.

My present improvement is especially applicable to that type of socket in which the insulating body is in two parts juxtaposed and inclosing the switch mechanism.

A and B are the two parts or buttons having in the adjacent faces recesses to form chambers one to receive the switch mechanism. The two parts A and B may be secured together in the usual manner by the two terminal posts D, D', and on the lower face of the lower button are mounted the lamp-receiving terminal screw shell S and center contact C. The screw shell S may be electrically connected to the terminal post D¹ in any suitable way, while the spring contact C is electrically connected to the post D through the switch mechanism. This mechanism includes a horizontal rotary spindle *f* with handle or key F and mounted in slots in the U-shaped frame E, which may be secured by a screw *e* (Figs. 1 and 2) to the button A. On the key spindle *f* is mounted with the usual lost motion a cam piece or tumbler G, and against the underside of this is pressed the moving contact piece J by a spiral spring *k*. This contact piece J is guided vertically by the upright frame E, the two legs of which pass through slots in said piece J.

Connected to or forming part of the post D is a contact arm *d* with which the cam G of the switch makes connection when the cam is in its vertical position, as shown in Figs. 1 and 4.

In the lower part of the chamber which contains the above described switch mechanism is a spring contact finger H, which is electrically connected to the center contact C for the lamp (Fig. 4). When the cam G is turned to the upright position and one end makes contact with the arm *d*, the other end presses down the contact piece J to make connection with the finger H and thus the circuit will be closed through the lamp, Figs. 1 and 4, but when the switch key is given a quarter turn, not only will the contact be broken between the cam G and arm *d*, but the spring *k* will press the piece J out of contact with the finger H, and so give a double break.

I claim as my invention:

1. An electric lamp socket, having an insulating body, lamp-receiving terminals, and a double break switch mechanism, comprising a contact, connected to one of said terminals, a spring-actuated contact piece to make connection therewith, a key spindle with a cam to act on the contact piece, a pair of binding posts and a contact arm for the cam, connected with one of said posts.

2. An electric lamp socket, having an insulating body, lamp-receiving terminals, and a double-break switch mechanism, comprising a contact, connected to one of said terminals, a guide frame, a key spindle with a cam, a movable contact piece guided on the frame to make electrical connection with the said contact, a spring to press the contact piece to the cam, a pair of binding posts and a contact arm for the cam connected to one of the binding posts.

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

FREDERICK P. POOLE.

Witnesses:

F. E. SEELEY,
A. H. JONES.