

(No Model.)

C. E. SCRIBNER.
ELECTRIC LIGHT SWITCH BOARD.

No. 367,670.

Patented Aug. 2, 1887.

Fig. 1

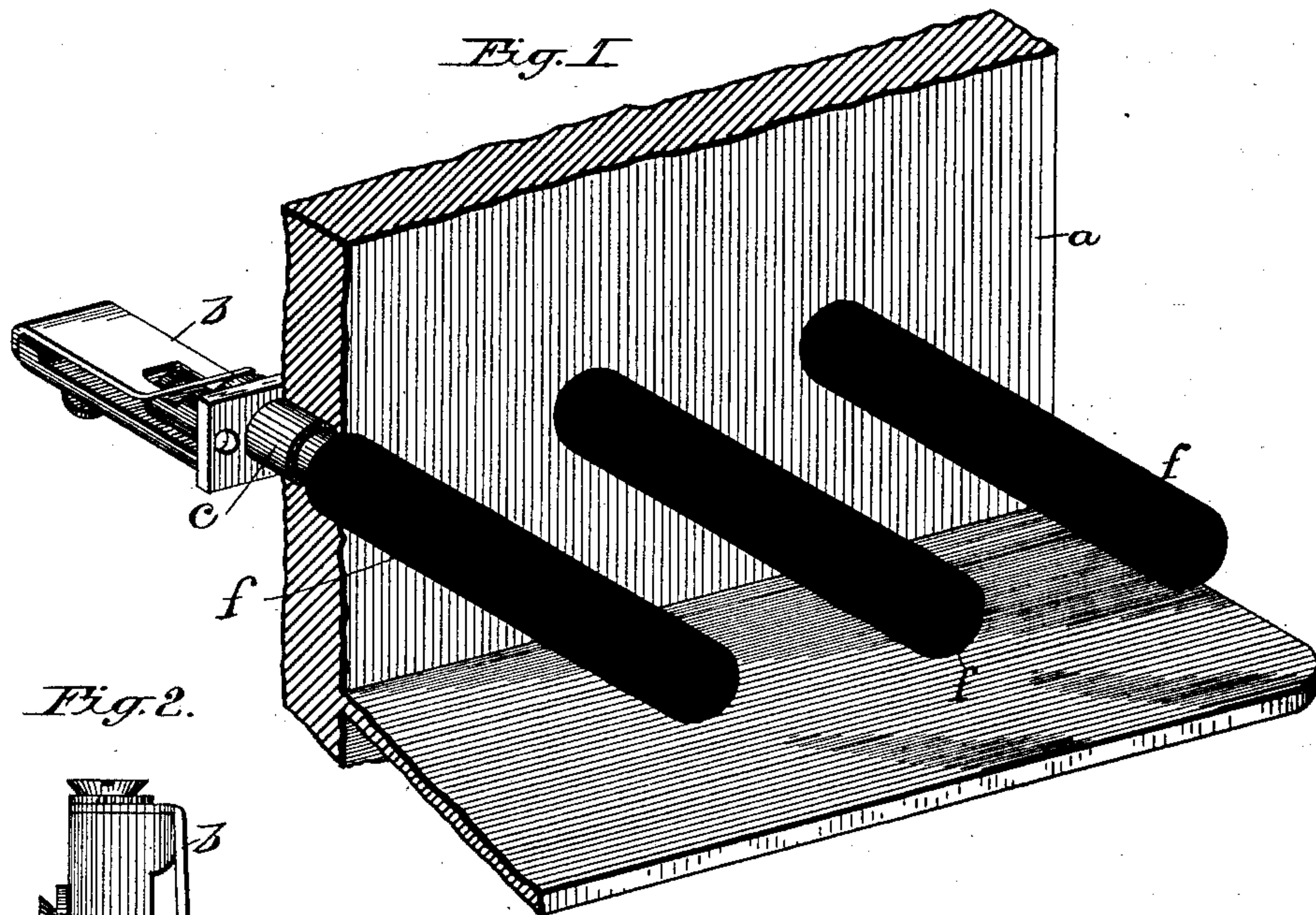


Fig. 2.

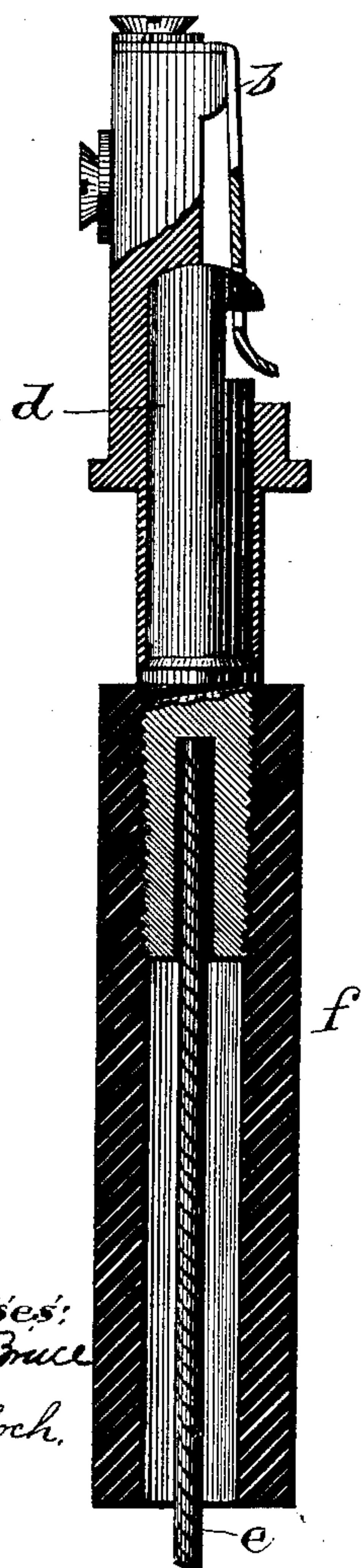


Fig. 3.

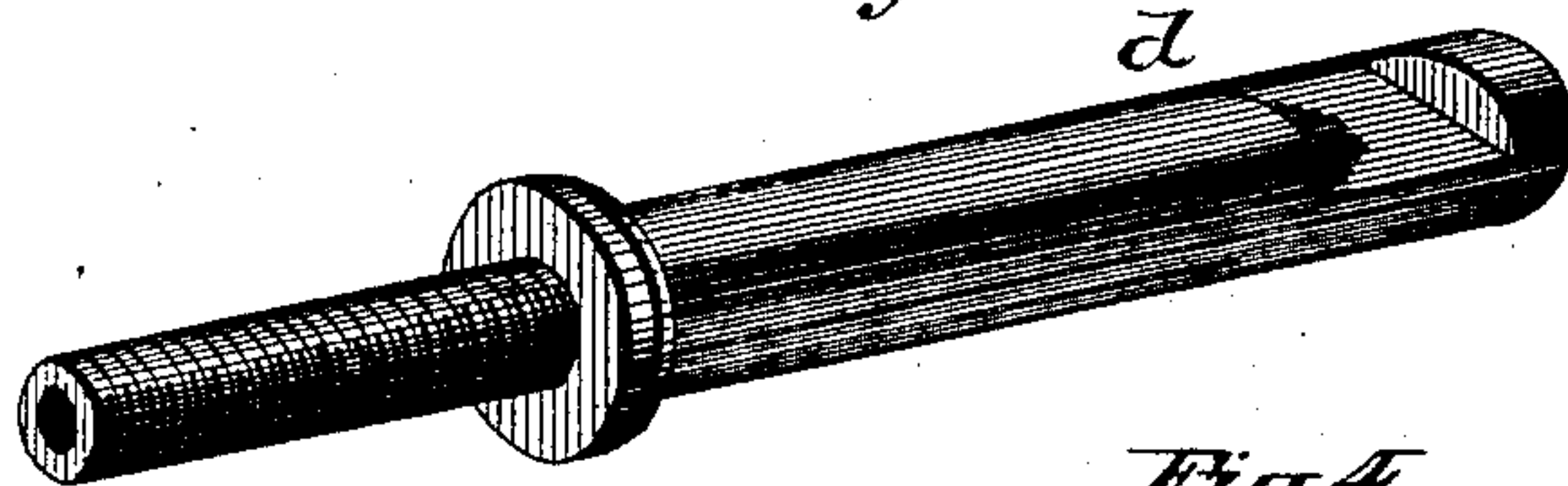
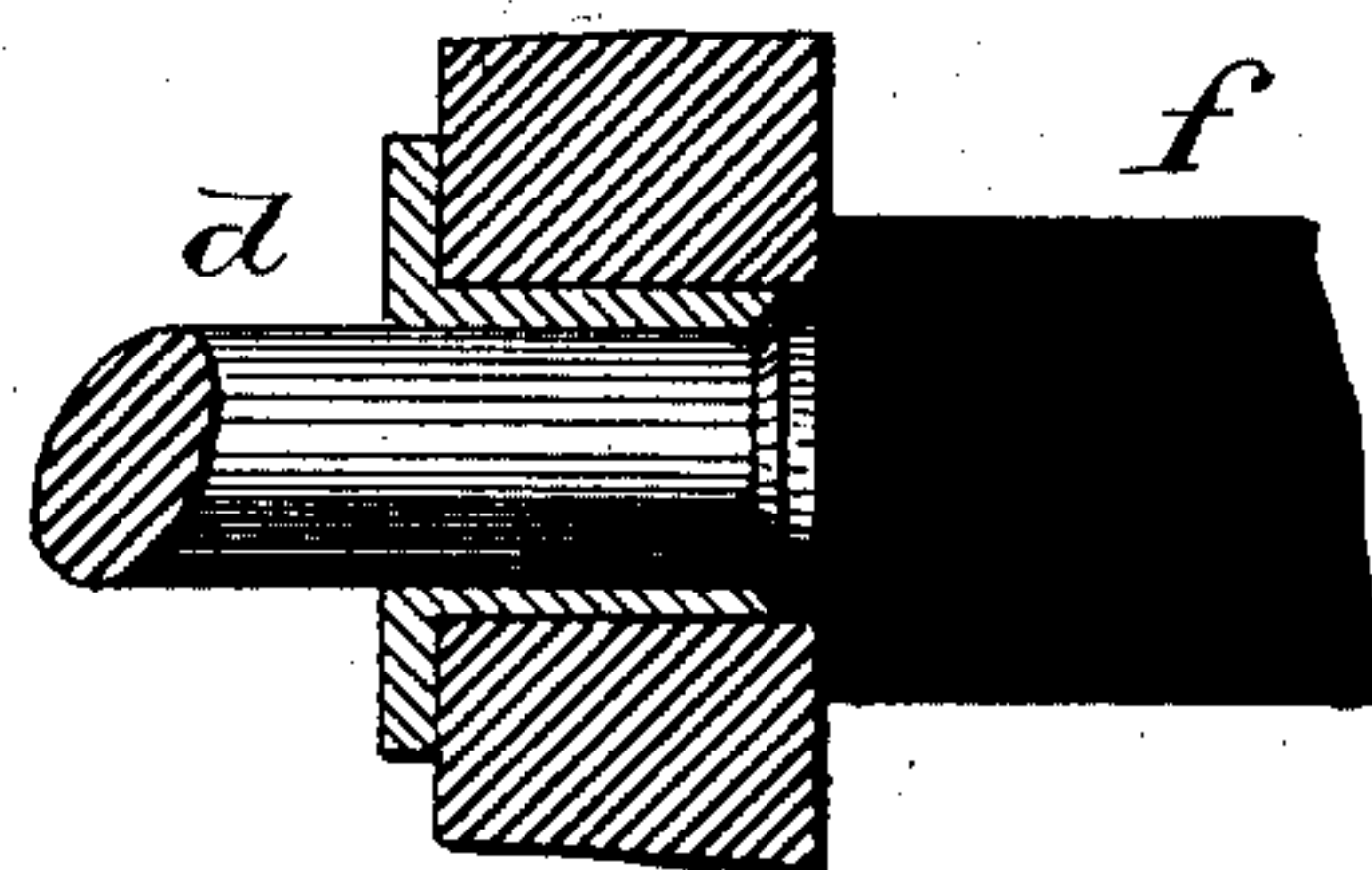


Fig. 4.



Witnesses:
Herbert Bruce
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UNITED STATES PATENT OFFICE.

CHARLES E. SCRIBNER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE WESTERN
ELECTRIC COMPANY, OF SAME PLACE.

ELECTRIC-LIGHT SWITCH-BOARD.

SPECIFICATION forming part of Letters Patent No. 367,670, dated August 2, 1887.

Application filed March 13, 1885. Serial No. 158,763. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. SCRIBNER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Electric-Light Switch-Boards, (Case 95,) of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to switch-boards for strong currents, such as are used in electric lighting; and its object is to prevent accidents by preventing the switchmen from touching the metallic portions of the switch-board.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a portion of an electric-light switch-board embodying my invention. Fig. 2 is a sectional view of a single spring-jack switch and a connecting-plug inserted therein, said plug being the terminal of a heavily-insulated flexible conducting-cord. Figs. 3 and 4 are detailed views of parts of the plug.

Like parts are indicated by similar letters of reference in the different figures.

The frame *a* of the switch-board may be of wood or other insulating material.

The spring-jacks *b* are attached to the rear side thereof, and the tubes *c* of the different spring-jacks being countersunk with respect to the face of the board. The shank *d* of the plug is of metal, and is adapted to be inserted in the tube of the spring-jack, as shown in Fig. 2. The flexible cord *e* is heavily insulated, and the handle *f* of the plug is of rubber and should be as large as the opening on the face of the board to any of the spring-jacks.

By means of a cord provided with a plug at each end, any two switches upon the switch-board may be connected together, while all metallic parts of the said switches and con-

necting devices are covered so as to prevent the possibility of accidental shocks. As the tubes *c* are back of the plane of the face of the board, they are practically out of the reach of accidental contacts at all times.

I claim as new and desire to secure by Letters Patent—

1. The combination, with the countersunk spring-jacks of a switch-board, of plugs insulated, as described, and adapted for insertion into the spring-jacks, whereby all metallic portions of the switch are insulated.

2. In a switch-board, the combination, with spring-jacks mounted upon the rear side thereof, the tubes or frames of said spring-jacks being open at the front of the board, yet countersunk with respect to the face of the board, and a plug provided with a handle of insulating material of greater diameter than the openings in the face of the board to the spring-jacks, whereby all the metal of the plug, as well as all the metal of any given spring-jack, is entirely covered where the plug is inserted therein.

3. In a switch-board for strong currents, the combination, with the spring-jacks, of insulated plugs adapted for insertion therein, the diameter of the plug-insulation being as great as that of the spring-jack entrance, whereby the spring-jack entrance is completely covered by the insulation when the plug is inserted.

4. The combination, with the switch-board, of spring-jacks attached thereto, the metallic portions of said spring-jacks being countersunk with respect to the face of the board, substantially as and for the purpose specified.

In witness whereof I hereunto subscribe my name this 28th day of February, A. D. 1885.

CHARLES E. SCRIBNER.

Witnesses:

GEORGE P. BARTON,
F. H. M. CULLOCH.