

No. 834,989.

PATENTED NOV. 6, 1906.

J. J. MILEY.
ELECTRIC FUSE.

APPLICATION FILED MAR. 5, 1906.

Fig. 1.

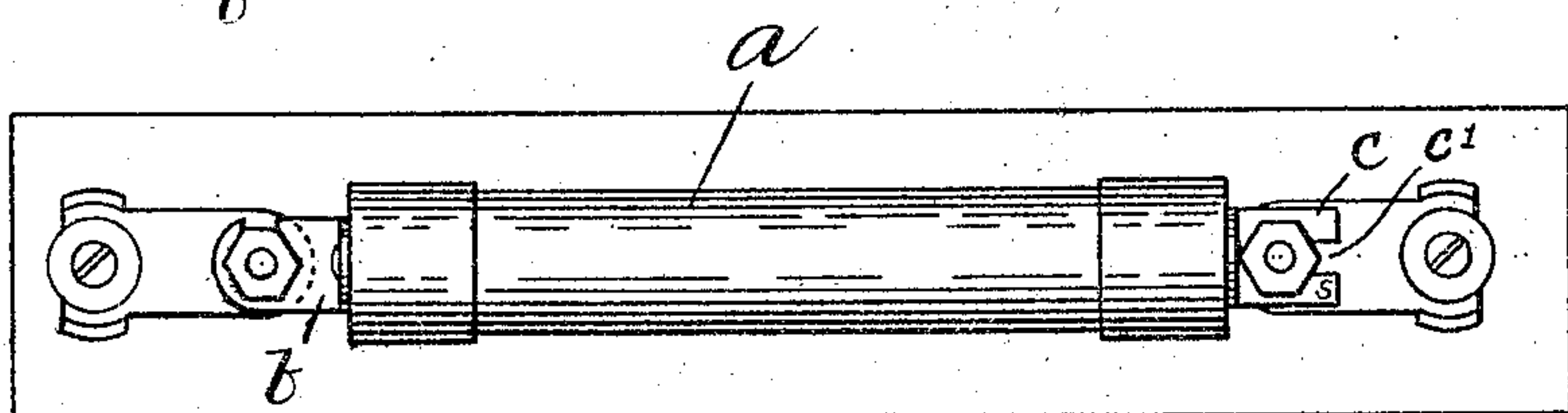
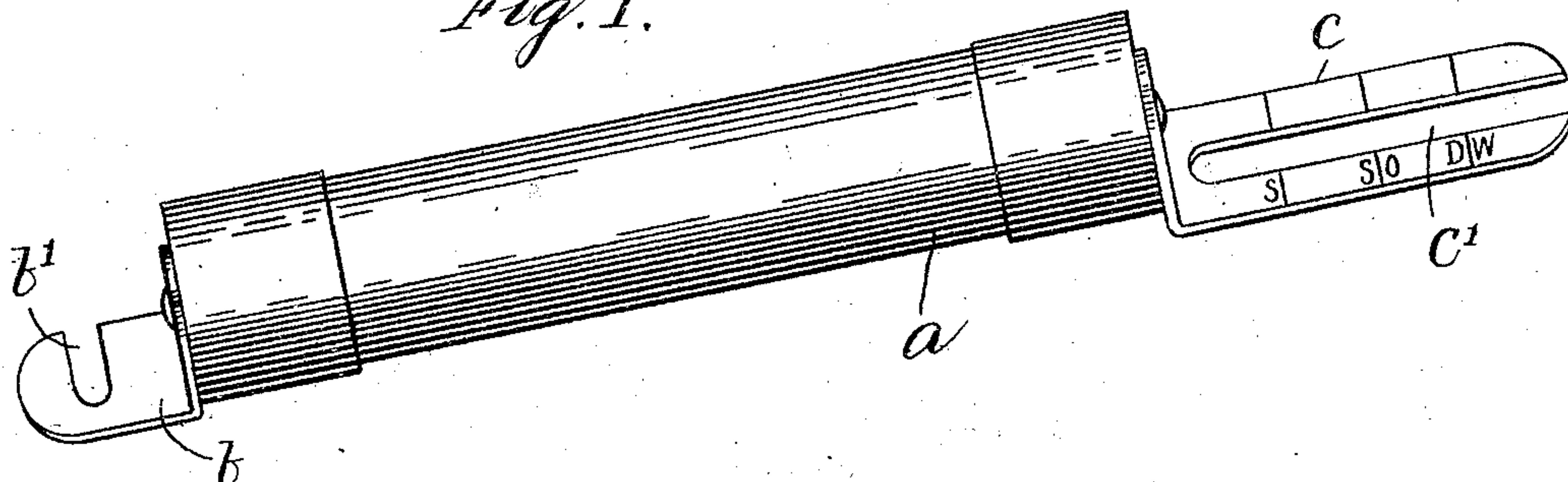


Fig. 2.

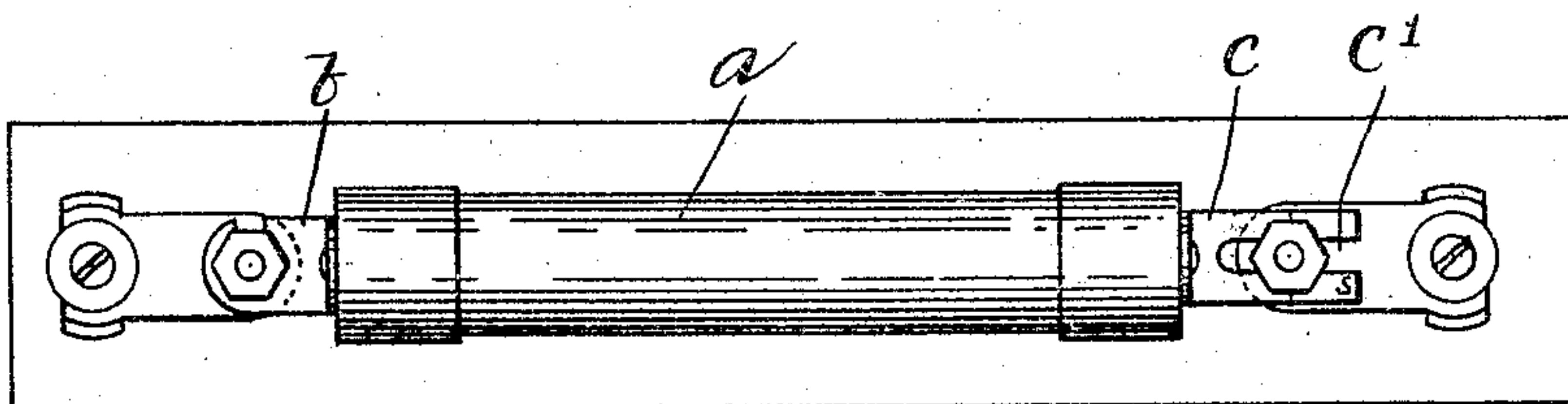


Fig. 3.

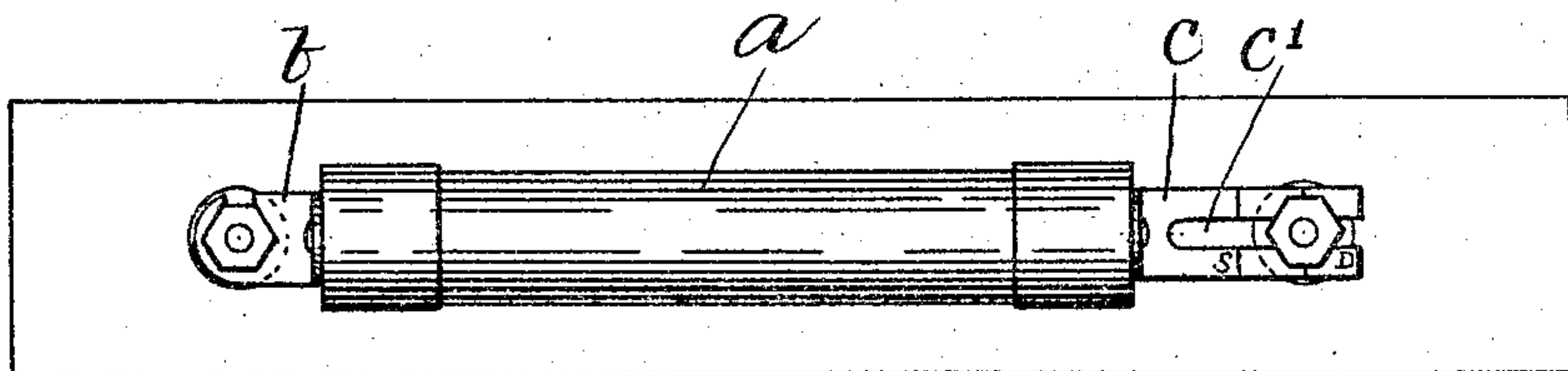


Fig. 4.

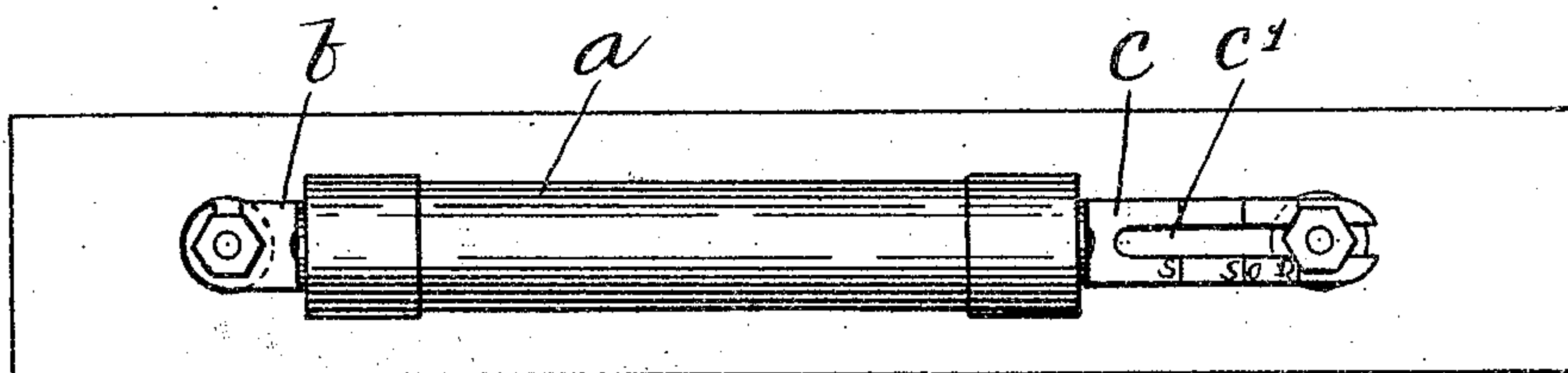


Fig. 5.

Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN J. MILEY, OF BOSTON, MASSACHUSETTS.

ELECTRIC FUSE.

No. 834,989.

Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed March 5, 1906. Serial No. 304,187.

To all whom it may concern:

Be it known that I, JOHN J. MILEY, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Electric Fuses, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

Electric fuses as ordinarily constructed have slotted terminal plates at the ends adapted to be connected with a pair of terminals which are provided on a fuse-block.

At the present time the fuses made by different manufacturers vary in length, and the different manufacturers make fuse-blocks having terminals which are relatively disposed to receive fuses of their own manufacture, the terminals being too widely separated or too closely disposed to receive fuses made by other manufacturers.

This invention has for its object to provide an electric fuse with terminal plates which are so constructed and arranged that the fuse may be connected with the terminals of any of the well-known fuse-blocks now in common use.

Figure 1 shows in perspective view an electric fuse embodying this invention. Figs. 2, 3, 4, and 5 are plan views of the same connected, respectively, to the terminals of fuse-blocks made by different manufacturers.

a represents the cylindrical or other shaped body of an electric fuse, and *b* the terminal plate which is secured to one end thereof, which is formed with a transverse slot *b'*, whereby it is adapted to be connected with one of the terminals of any well-known form or type of fuse-block now in common use, and *c* represents the terminal plate, which is secured to the opposite end of the body *a*. The terminal *c* is formed or provided with a longitudinal slot *c'* and is adapted to be connected with the other terminal of any of the aforesaid fuse-blocks.

The terminal plate *c* is made very long, and the slot *c'* therein is also made very long, and the length of the slotted portion of said terminal plate corresponds to the difference between the closely-disposed and the widely-separated terminals of the different fuse-blocks now in common use.

In attaching the fuse to the fuse-block the terminal plate *b* will be connected with one of the terminals of the fuse-block and the terminal plate *c* will be connected with the

other terminal thereof regardless of the distance apart said terminals may be located. In other words, the terminal plate *c* is made long enough to provide for connecting the fuse with the most widely separated terminals of the different fuse-blocks now in common use, and the slot *c'* therein is made long enough to provide for connecting the fuse with the most closely disposed terminals of the different fuse-blocks now in common use.

For the sake of illustration it may be stated that at the present time there are four well-known forms or types of fuse-blocks in common use, known in the trade as the "Shawmut," "Old Shawmut," "D. & W.," and "Noark," and the elongated terminal plate *c*, which is provided with the elongated slot *c'*, is scored transversely or otherwise marked to indicate the correct length the terminal plate should be in order that the fuse may be connected with these particular forms or types of fuse-blocks, and, if desired, the terminal plate *c* may be cut off where scored or otherwise marked previous to being attached to the fuse-block.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An electric fuse adapted to be connected with the more or less widely separated terminals of different fuse-blocks, having terminal plates, one of which has a longitudinally-slotted portion corresponding in length to the difference between the closely-disposed and the widely-separated terminals of the different fuse-blocks, substantially as described.

2. An electric fuse adapted to be connected with the more or less widely separated terminals of different fuse-blocks, having terminal plates, one of which has a longitudinally-slotted portion corresponding in length to the difference between the closely-disposed and the widely-separated terminals of the different fuse-blocks, and marked to indicate the correct length to be used for the different fuse-blocks, substantially as described.

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

JOHN J. MILEY.

Witnesses:

B. J. NOYES,

H. B. DAVIS.