

T. W. CARROLL.
Self Lighting Lamps.

No. 26,884.

Patented Jan'y 24, 1860.

Fig: 1.

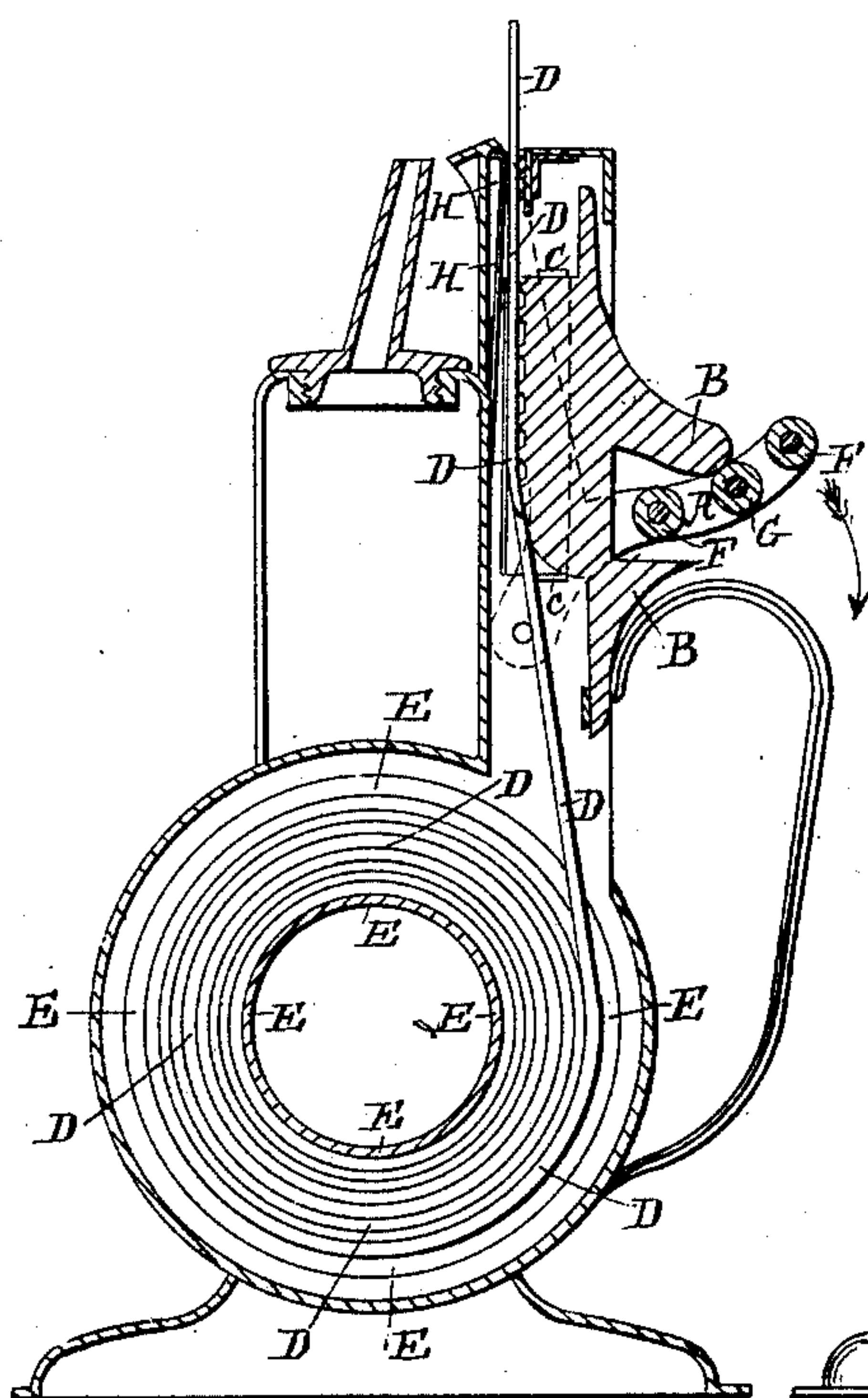


Fig: 2.

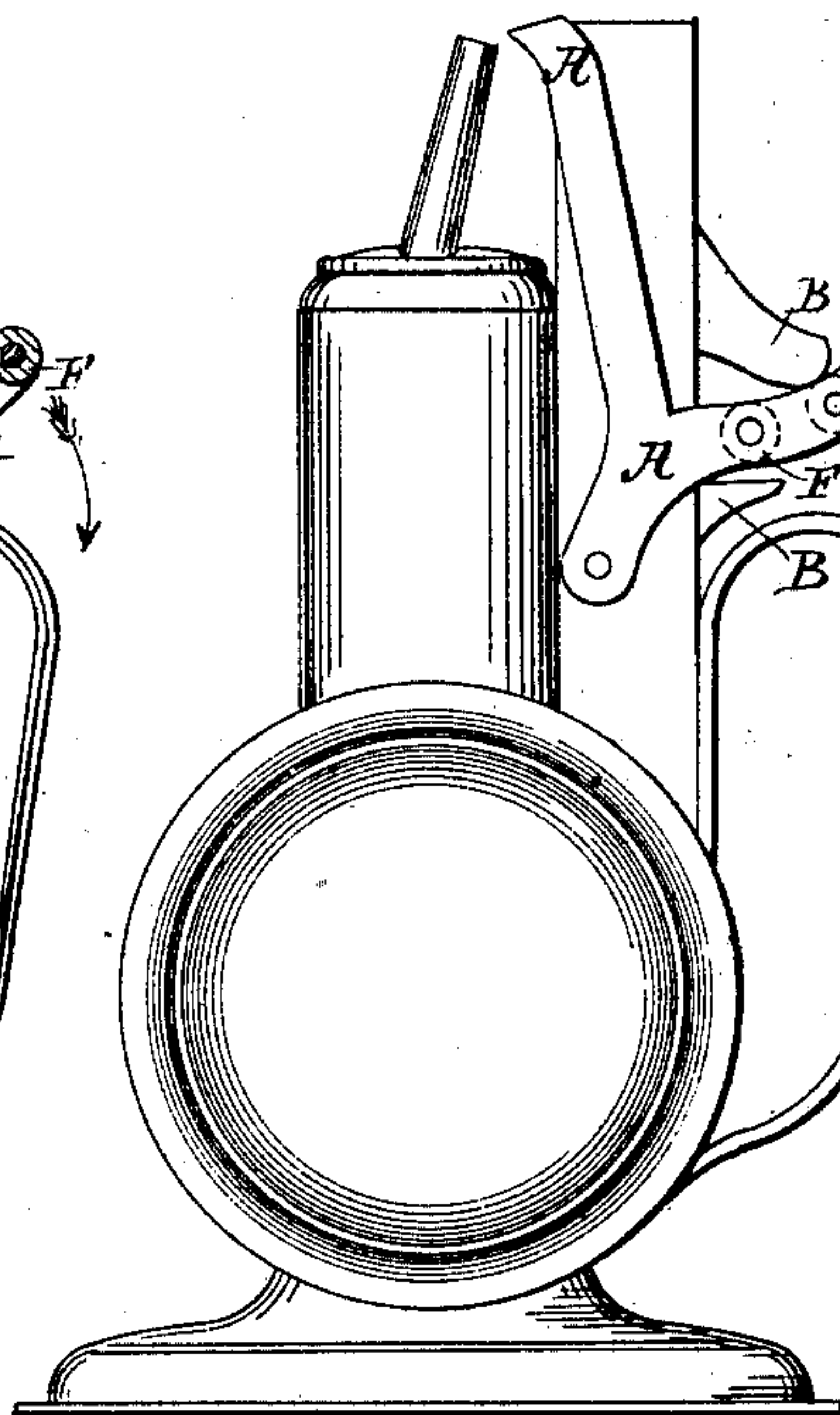


Fig: 3.

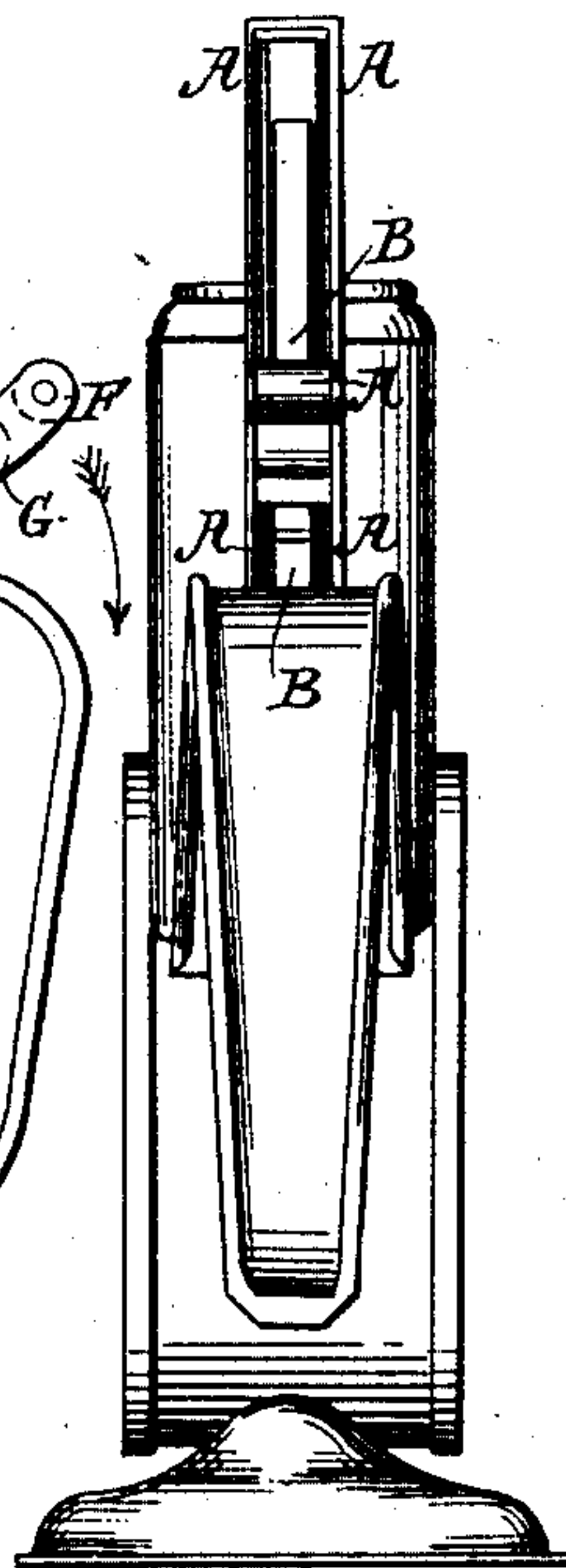
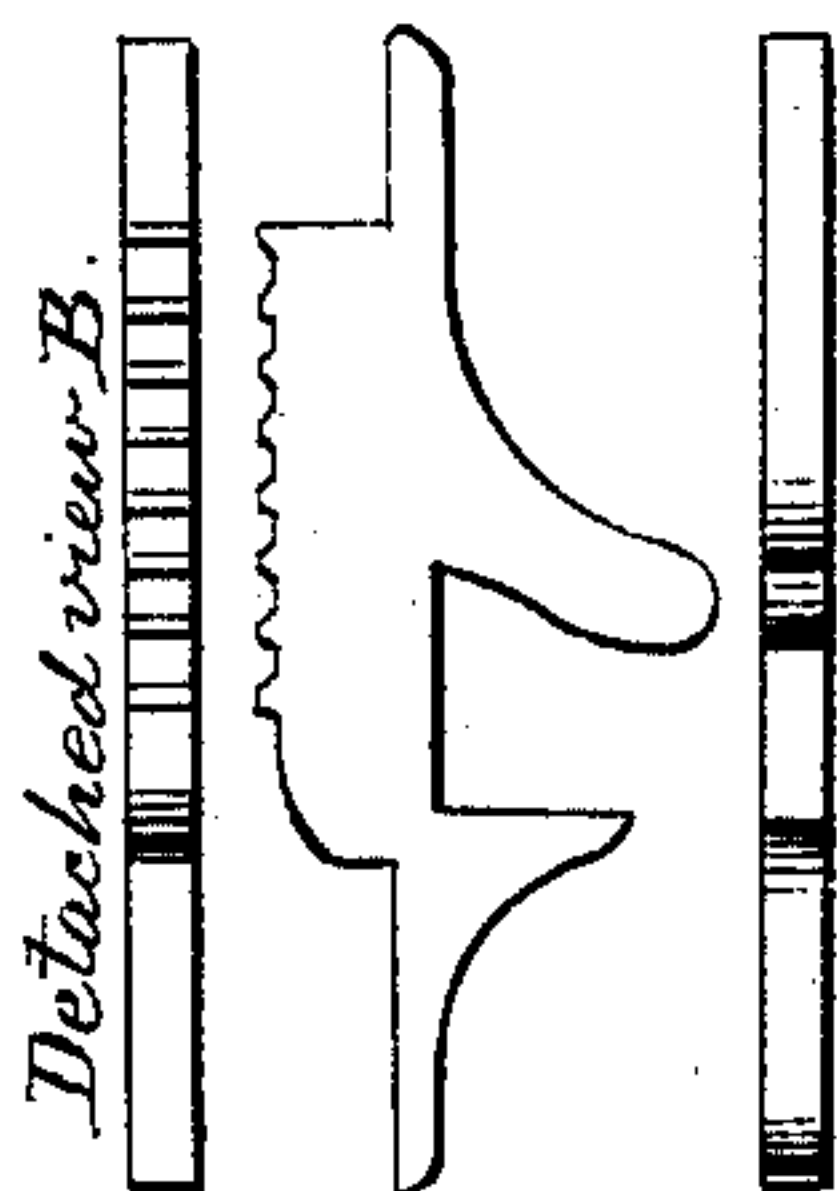


Fig: 4. Detached view of c
Edge
Side
End



Top view



Fig: 5.

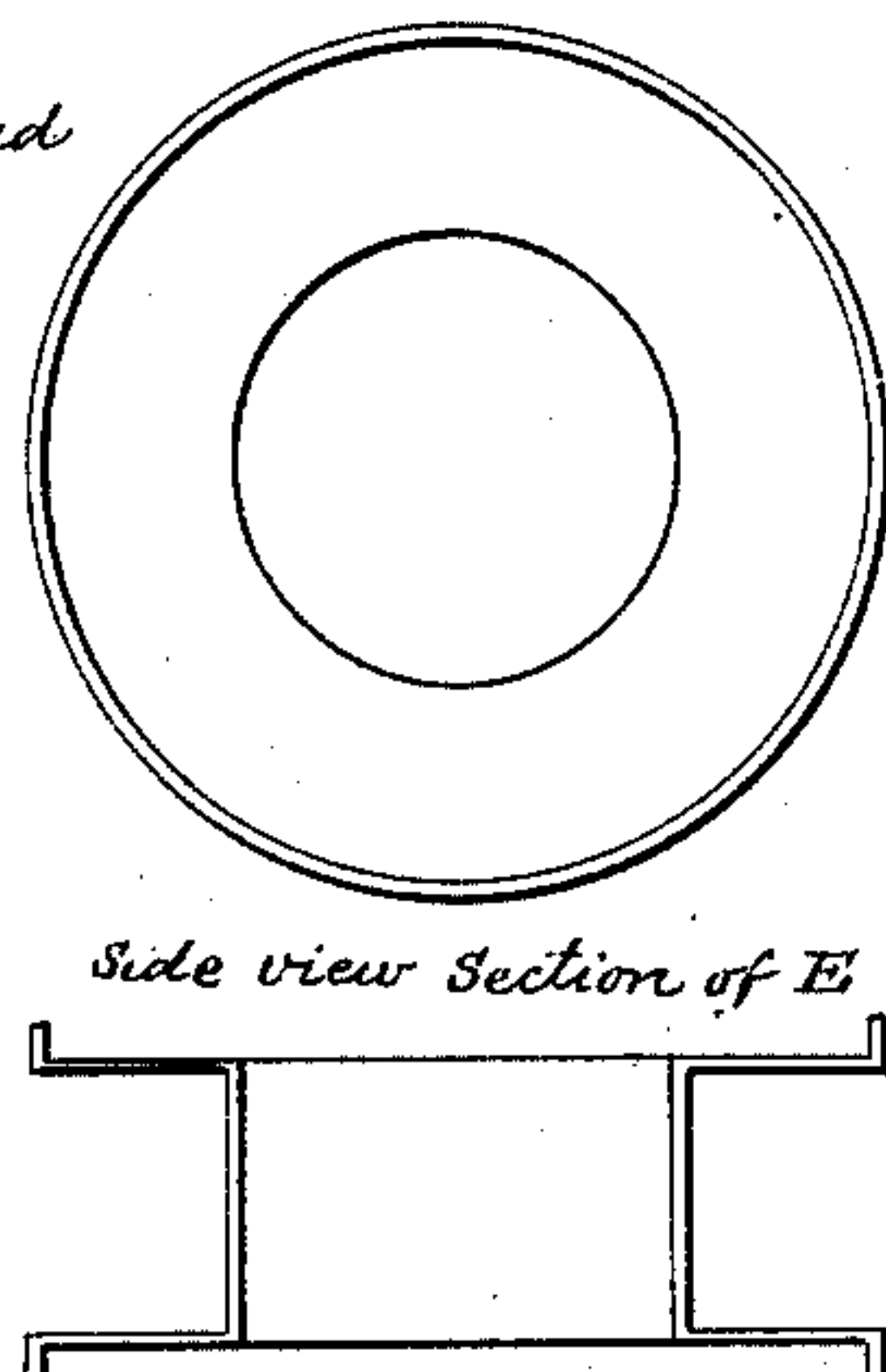
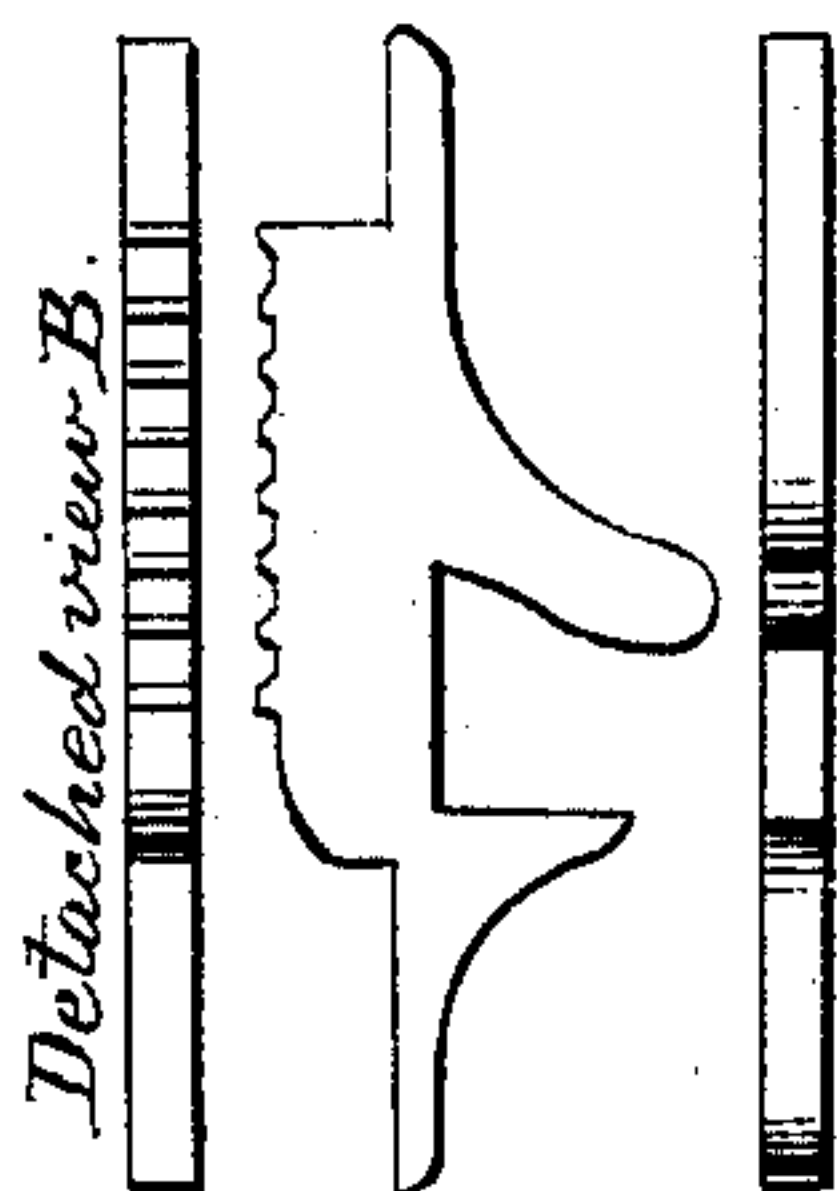
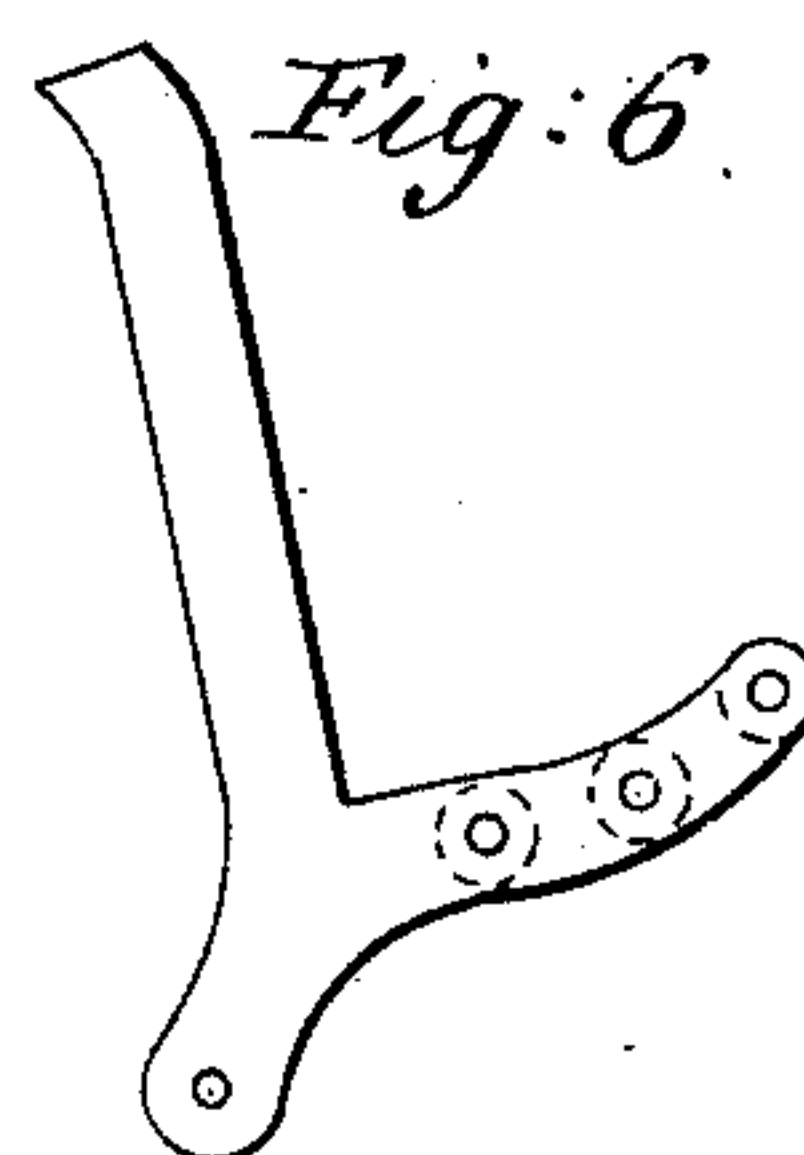


Fig: 6.



Detached view of Lever A
Edge View.



Witnesses
John O'Donnell
J. G. Thayer.

Inventor.
T. W. Carroll

UNITED STATES PATENT OFFICE.

THOMAS W. CARROLL, OF BALTIMORE, MARYLAND.

SELF-LIGHTING LAMP.

Specification of Letters Patent No. 26,884, dated January 24, 1860.

To all whom it may concern:

Be it known that I, THOMAS W. CARROLL, of Baltimore, in the county of Baltimore, in the State of Maryland, have invented a
5 new and Improved Mechanical Arrangement for Igniting the Fuses of Self-Lighting Lamps; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accom-
10 panying drawings and to the letters of reference marked thereon.

The nature of my invention consists in a lever and notched slide in substitution for the ratchet wheel and hook as set forth in
15 the specification of Leopold Thomas and Joseph Thomas, of Brooklyn, in the State of New York, and to whom Letters Patent were granted, No. 23,203, and bearing date March 8th, 1859; and which substitution I
20 claim to be an improvement on their method, and do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specifica-
25 tion, in which—

Figure 1 is a vertical section, Fig. 2 a side view, and Fig. 3 an end or edge view, of a lamp substantially the same as that of Leopold and Joseph Thomas patented as
30 above, but with my improvement attached.

The letters refer to the same parts in the different views as well as to the details Nos. 4 and 5 and 6.

A A A is a lever, or rather a pair of le-
35 vers, connected at the points F F G, the middle point being a roller.

B B B is a slide notched on its edge for the purpose of taking hold of the fuse and to thereby feed or push it forward when the lamp is to be lighted, which operation is as
40 follows: On pressing down the lever A in the direction of the arrow the point F is brought in contact with the projecting part of the slide B, and of course the slide is
45 caused to descend, which it is enabled to do, as there is no pressure now acting against it and the fuse is held by the spring H H. This action has now brought the upper pro-
50 jection of the slide B in a position to be acted upon by the roller G, which roller being now in contact with the upper projec-
55 tion of the slide B, on the motion being reversed and the lever A moved upward, the slide B is thrust in against the fuse and at the same time upward, carrying a portion
of the fuse up with it, while at the same time the upper and serrated end of the lever A is moved forward, igniting the fuse by friction.

Nos. 4 and 5 and 6 of these drawings are
60 representations of the lever A, the slide B, and the fuse holder C in detail and need not be described.

Having thus described my invention, what I claim as new, and desire to secure by Let-
65 ters Patent, is—

The application of the lever and slide as herein set forth.

THOS. W. CARROLL.

Witnesses:

JOHN O'DONNELL,

CHARLES H. KREAMER.