

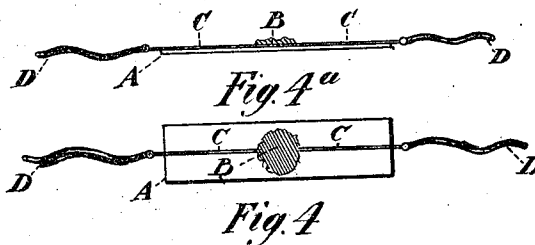
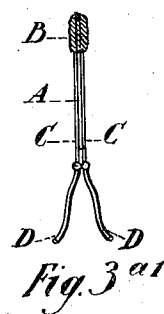
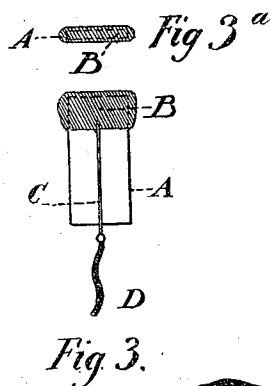
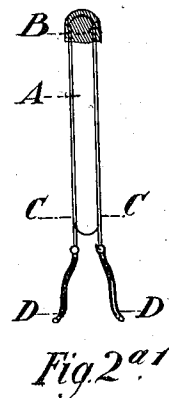
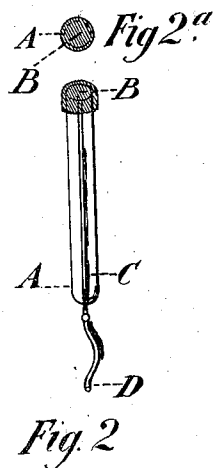
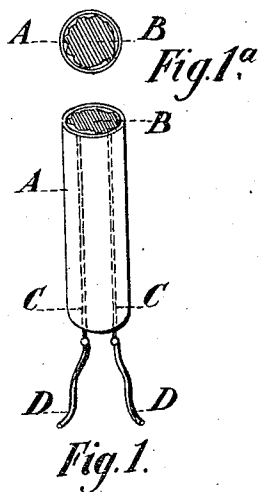
No. 661,498.

Patented Nov. 13, 1900.

J. L. COHEN.
ELECTRIC FUSE.

(Application filed Jan. 4, 1900.)

(No Model.)



Witnesses.
O. H. Mey
O. H. Mey

Inventor.
Joshua Lionel Cohen
By his attorney
H. P. Peland

UNITED STATES PATENT OFFICE.

JOSHUA LIONEL COHEN, OF NEW YORK, N. Y., ASSIGNOR OF FIFTY-ONE ONE-HUNDREDTHS TO HERSCHEL P. COPELAND, OF JERSEY CITY, NEW JERSEY.

ELECTRIC FUSE.

SPECIFICATION forming part of Letters Patent No. 661,498, dated November 13, 1900.

Application filed January 4, 1900. Serial No. 364. (No model.)

To all whom it may concern:

Be it known that I, JOSHUA LIONEL COHEN, a citizen of the United States, residing in New York, county and State of New York, have invented certain new and useful Improvements in Electric Explosive Fuses; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of my present invention is to provide an electric fuse or cap that will produce a flash and burn with a flame when an excessive current of electricity is sent through it.

The invention consists in the improved fuse or cap and in the combination and arrangement of the various parts, substantially as will be hereinafter more fully described, and finally embodied in the claim.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several views, Figures 1 to 4, inclusive, illustrate side views of four forms in which my fuses or caps may be made; Figs. 1^A to 4^A, inclusive, top views; and Figs. 2^{A'} and 3^{A'} edge views.

In said drawings, A represents a non-conducting combustible substance, such as fiber, wood, or cardboard.

B represents any suitable substance or com-

pound that will ignite and flash when subjected to heat, such as sulfur or phosphorus. The substance or compound may be either dry, in paste, or liquid form.

C represents a fuse-wire which glows with a white heat when an excessive current of electricity is passed through it, being especially adapted for igniting the substance or compound and causing it to flash and the combustible material to burn with a flame as a torch.

D represents any conducting wire or material which may be soldered to the wire C for the purpose of carrying an electric current to the fuse-wire.

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

An electric igniting device consisting of a non-conducting combustible material, a compound affixed thereto, and a conducting-wire adapted for igniting and flashing the compound and producing a flame in connection with the combustible non-conducting material when an excessive current of electricity is applied thereto, substantially as shown, described and set forth herein as a new article of manufacture.

JOSHUA LIONEL COHEN.

Witnesses:

H. P. COPELAND,
JACOB C. MITCHELL.