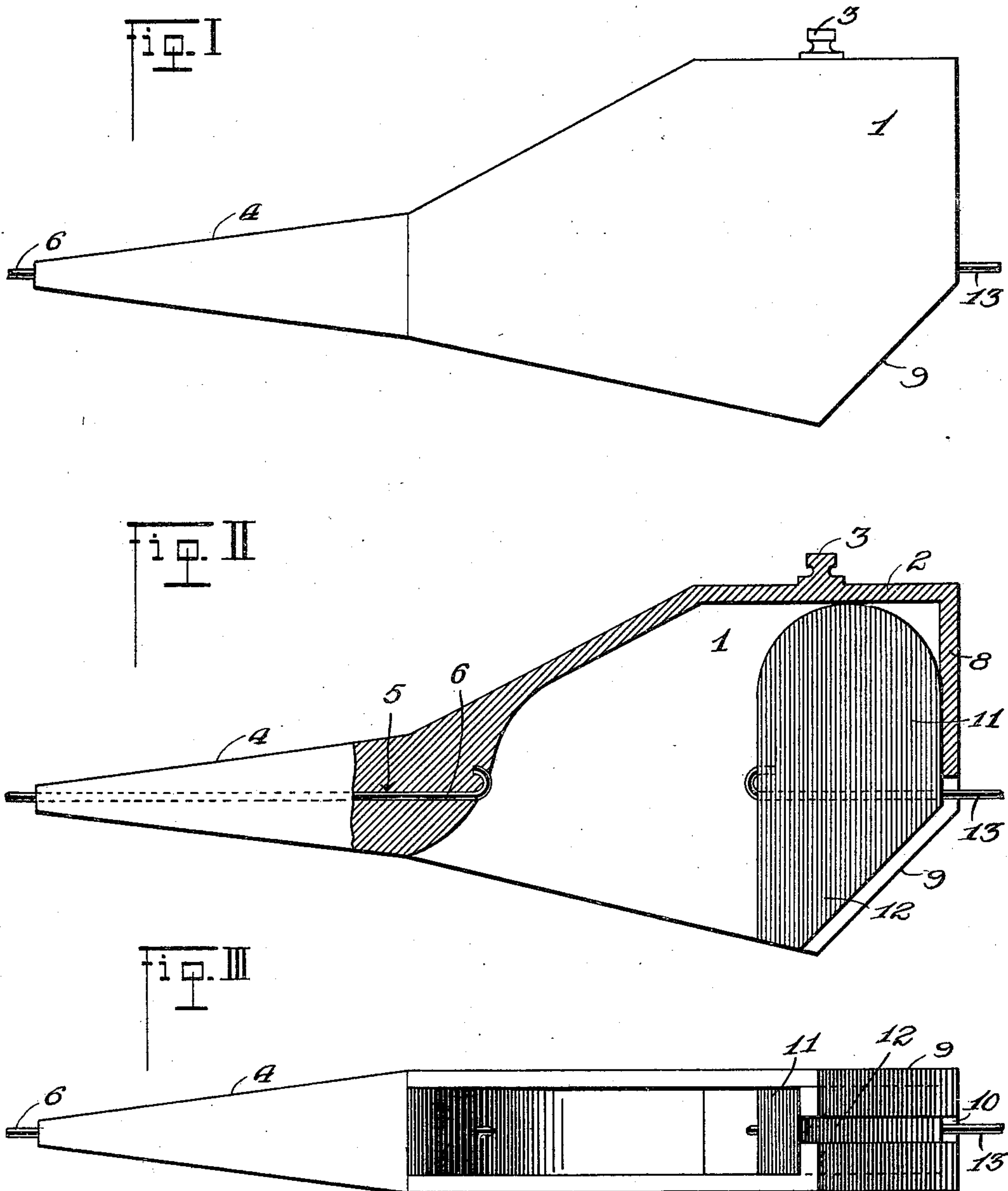


J. D. BRADFORD & B. R. MOORE.
CIRCUIT BREAKER.

APPLICATION FILED MAR. 21, 1910.

990,471.

Patented Apr. 25, 1911.



Witnesses

Frank H. Carter
H. Joseph Dyer

Inventors

John D. Bradford
Benjamin R. Moore
By *E. C. Swann*, Attorney.

UNITED STATES PATENT OFFICE.

JOHN D. BRADFORD AND BENJIMAN R. MOORE, OF SACRAMENTO, CALIFORNIA.

CIRCUIT-BREAKER.

990,471.

Specification of Letters Patent.

Patented Apr. 25, 1911.

Application filed March 21, 1910. Serial No. 550,686.

To all whom it may concern:

Be it known that we, JOHN D. BRADFORD and BENJIMAN R. MOORE, citizens of the United States, residing at Sacramento, in the county of Sacramento and State of California, have invented certain new and useful Improvements in Circuit-Breakers, of which the following is a specification.

This invention relates to circuit breakers for electrical conductors, such as power, telegraph and like lines, and the principal object of the same is to provide a circuit breaker in which the power line is retained in engagement therewith by the tension of the line, but which may be automatically released therefrom in the event of said line becoming broken, so that the said line will drop and the circuit therethrough be broken.

In carrying out the objects of the invention generally stated above it will be understood, of course, that the essential features thereof are necessarily susceptible of changes in details and structural arrangements, one preferred and practical embodiment of which is shown in the accompanying drawings, wherein:—

Figure I is a view in side elevation of the improved circuit breaker. Fig. II is a similar view shown partly in section to show the wire connections therewith. Fig. III is a bottom view.

Referring to said drawings by numerals, 1 designates the body of the improved circuit breaker that is hollow and has a closed flat top 2 which is equipped with a knob 3 by means of which the circuit breaker may be suspended from a telegraph pole or other conductor supports. At one end, said body merges into an elongated tapering extension 4 through which a longitudinal opening 5 is formed that communicates with the hollow body. A wire 6 extends through said opening 5 and has its inner end hooked or otherwise suitably fastened to the end wall of the hollow body 1 adjacent the said opening, as is indicated at 7. The bottom of the hollow body 1 is open and preferably merges into the end extension 4 on an easy incline. The forward end of body 1 is partly closed by an end wall 8, the lower

portion of which is beveled as indicated at 9 and is provided with a central longitudinal slot 10 that communicates with the open bottom portion of body 1. A plug 11 is fitted loosely within the body 1 and is provided with a beveled lower forward portion 12 that normally rests on the beveled portion 9 at the forward end of body 1. The line wire 13 extends through slot 10 of the beveled portion 9 of body 1 and is suitably fastened to plug 11. Plug 11 is of a size to permit it being freely passed through the open bottom of body 1 and is normally held to its seat on the beveled portion 9 of body 1 by the tension of wire 13. It will therefore be apparent that should wire 13 become broken, the tension on plug 11 will be removed, whereupon said plug will drop from body 1 so that the circuit will be broken and the portion of wire 13 that falls with the plug will be dead.

What we claim as our invention is:—

1. A circuit breaker comprising a hollow body portion, said body portion terminating in a solid tapered end provided with a longitudinal opening, the bottom portion of said body being open, the end wall of said body being provided with a slot, a wire extending through said longitudinal opening and secured therein, a plug fitting within said hollow body portion and provided with an opening registering with said slot, and a second wire passing through said slot and opening, and secured to said plug.

2. A circuit breaker comprising a hollow body portion, said body portion terminating in a solid tapered end provided with a longitudinal opening, the bottom portion of said body being open, the end wall of said body being provided with a slot, and a plug fitting within said hollow body portion and provided with an opening registering with said slot.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN D. BRADFORD.
BENJIMAN R. MOORE.

Witnesses:

LOUISE CORBY,
H. H. MULL.