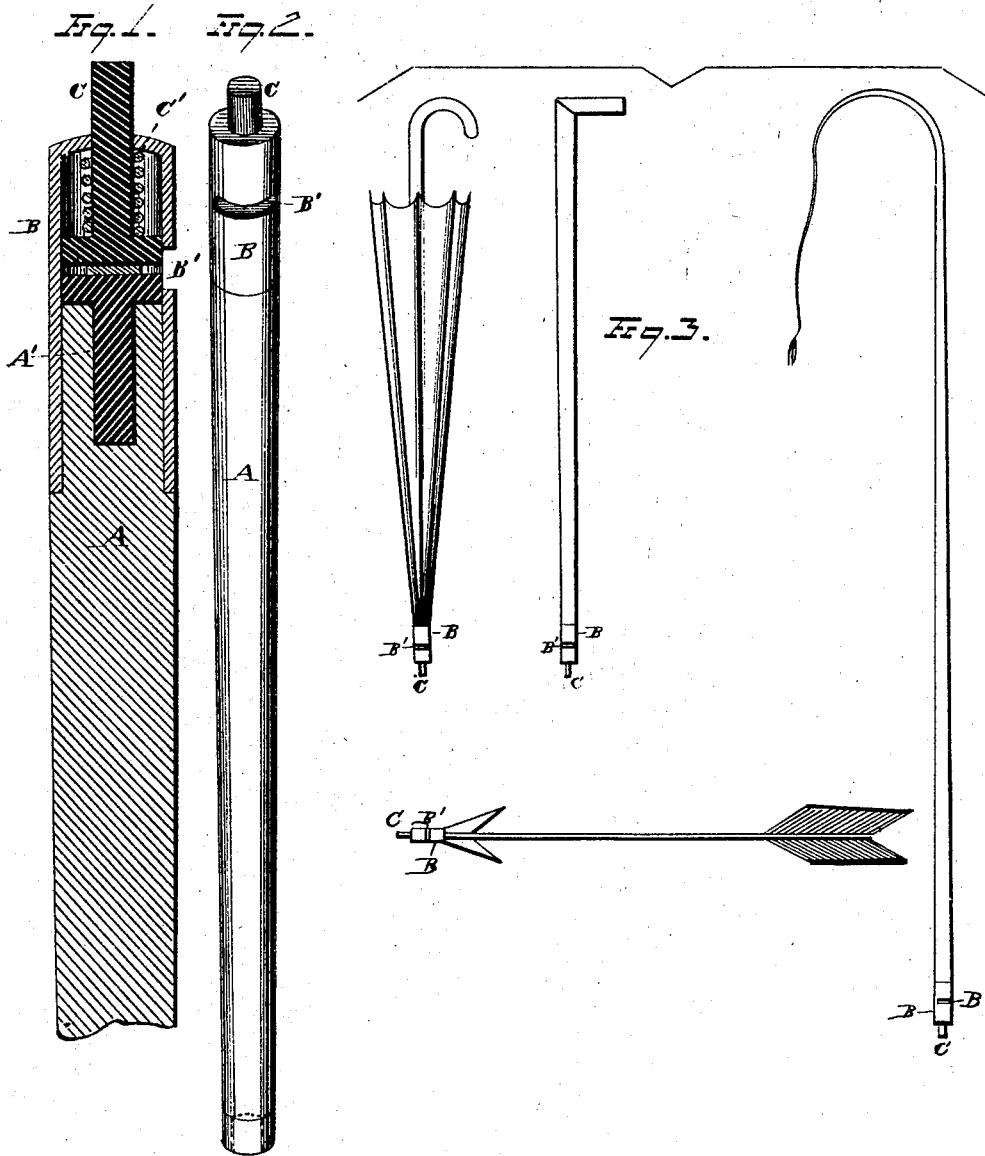


J. McCONNELL.
Detonating-Toy.

No. 209,768.

Patented Nov. 12, 1878.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN McCONNELL, OF CLEVELAND, OHIO.

IMPROVEMENT IN DETONATING-TOYS.

Specification forming part of Letters Patent No. 209,768, dated November 12, 1878; application filed June 12, 1878.

To all whom it may concern.

Be it known that I, JOHN McCONNELL, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Detonating-Toys; 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 it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to certain improvements in detonating toys and canes; and consists in a device adapted to discharge a wafer of fulminate by percussion, as follows: A chamber is formed on the end of a cane or other suitable stick, and has an inwardly spring-pressed plunger working therein. The plunger-rod projects through the bottom of this chamber, and thereby adapts the plunger to be urged by applied force, so as to be discharged when desired. A slot is also formed in the chamber-wall to admit of the introduction of the fulminate-wafer and of the escape of the gases generated by the discharge thereof.

In the drawings, Figure 1 shows my device as it appears in longitudinal section, and Fig. 2 is a view of my entire device.

A is a stick or cane, on one end of which is fixed the ferrule B. This ferrule has a slot, B', formed in one side, and also has a hole through its head for the passage of the plunger C. This plunger is kept by the action of a spring, C', constantly against the lower end of the stick or cane, and for purpose of protection and durability I prefer re-enforcing the lower end of said stick or cane with the metallic head A'; but this might be dispensed with without a departure from my invention.

The slot B' is so placed that a wafer of fulminate, when inserted therein, may be placed between the head of the plunger C and the piece a' or end of the cane.

It will now be seen that the pressure of the spring C' will act to firmly hold said wafer in this position, and when percussive force is applied to the stem of the plunger C the fulminate will be exploded.

This device forms a safe and amusing toy, and, when designed for a toy, the opposite end of the shaft A may be provided with a recess for holding fire-crackers.

Besides its employment as a toy, my invention would serve a useful purpose if attached to a walking-cane, umbrella-stick, carriage-whip, or the like, whereby, in case of assault by dogs or highwaymen, the explosion of an extra-heavy wafer would answer all purposes of a fire-arm in frightening the intruder.

Fig. 3 shows a few various modifications and applications of my invention.

What I claim is—

1. A cane or other stick provided at its end with a chamber in which an inwardly spring-pressed plunger works, the rod of said plunger projecting through the bottom of the chamber, which latter is formed with a side slot, substantially as set forth.

2. The combination of cane A, ferrule B, slot B', and spring-plunger C C', substantially as specified.

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

JOHN McCONNELL.

Witnesses:

F. TOUMEY,
W. E. DONNELLY.