

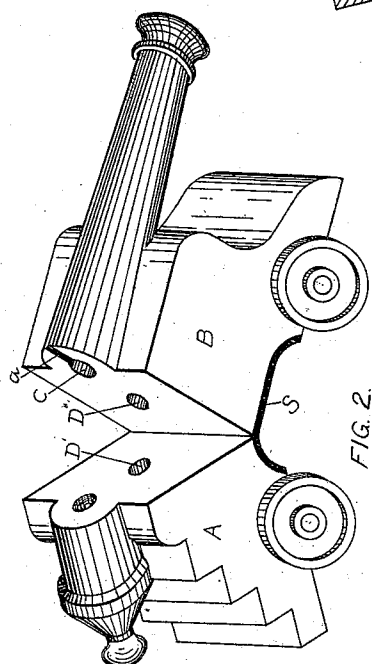
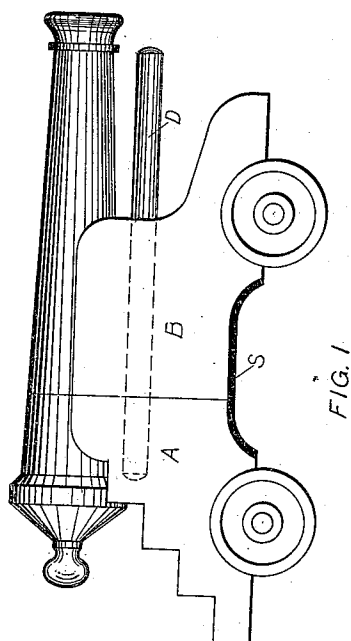
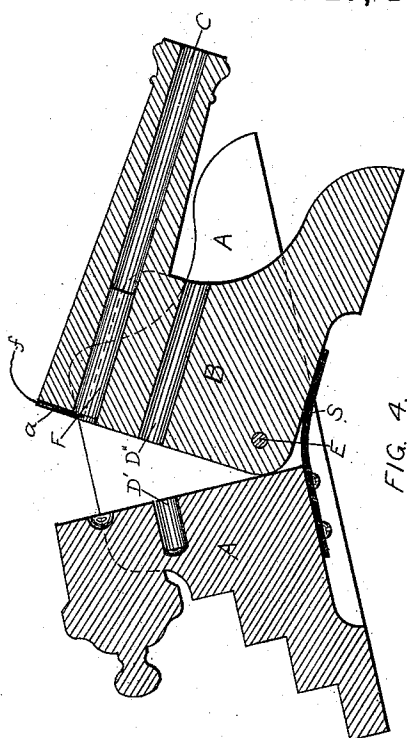
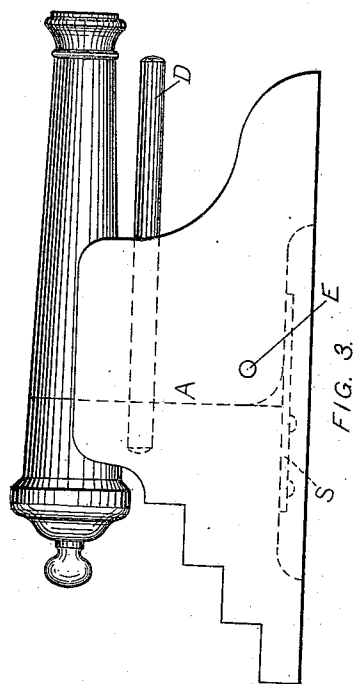
(No Model.)

J. J. LOUD.

TOY CANNON.

No. 375,453.

Patented Dec. 27, 1887.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN J. LOUD, OF WEYMOUTH, MASSACHUSETTS.

TOY CANNON.

SPECIFICATION forming part of Letters Patent No. 375,453, dated December 27, 1887.

Application filed October 17, 1887. Serial No. 252,527. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. LOUD, a citizen of the United States, residing at Weymouth, in the county of Norfolk and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Toy Cannons, of which the following is a full specification.

My invention consists of an improved breech-loading toy cannon adapted for firing cartridges ignited by a fuse. I preferably use for my cartridge the ordinary fire-cracker, and the toy cannon is so designed as to be perfectly safe for children or careless persons, to whom accidents frequently occur in the firing of crackers. The construction is such that the cartridge or cracker is inserted at the breech, which is normally kept closed by spring-pressure, and even if made without the spring it would close itself automatically when placed on its base ready for firing. Means are also provided, as hereinafter explained, for locking the breech.

In the accompanying drawings, Figures 1 and 3 represent side views of two forms of my improved toy. Fig. 2 is a perspective view of the form shown in Fig. 1, open for the insertion of the fire-cracker. Fig. 4 is a section through the axis of the cannon shown in Fig. 3, but open for the insertion of the fire-cracker.

I preferably make my improved toy cannon in two pieces, A and B, the breech and forward ends of the barrel being preferably cast or otherwise formed integrally with the rear and front portions of the carriage, respectively, to form the parts A and B, as shown in Figs. 2 and 4. The two said portions A and B are either connected by means of the spring S, Figs. 1 and 2, which is screwed or otherwise fastened to them, forming at the same time a hinge, and tending also by its resiliency to hold the parts together, as in Fig. 1, or, as shown in Figs. 3 and 4, the carriage portion of the piece A may be so formed as to embrace the carriage portion of the part B, the two pieces being hinged on the pin E and held together in a closed position by the spring S. In either case the spring S serves to close the breech automatically when opened for inserting the cartridge.

I do not confine myself to the use of either form of the spring S. The two parts A and B may be hinged together without the spring

S, in which case the weight of the cannon, when it is placed on its base for firing, closes the two parts automatically together.

The forward portion of the barrel is provided with a slot, *a*, which serves as a touch-hole, and through which passes the fuse *f* of the cartridge F. (Shown in position in Fig. 4.) The two parts A and B may, furthermore, be locked firmly together by means of the ramrod D, which fits into the two holes D' D².

I claim—

1. A toy cannon consisting of two parts, A and B, the part A formed of the breech portion of the barrel and the rear portion of the carriage, and the part B formed of the remainder of the barrel and carriage, said parts A and B being hinged at the bottom, whereby they are closed automatically together by the weight of the cannon when placed on its base for firing, substantially as described.

2. A toy cannon having an automatically-closing breech and made in two parts, A and B, the part A formed of the breech portion of the barrel and the rear portion of the carriage, and the part B formed of the remainder of the barrel and carriage, said parts A and B being both attached to the spring S, constituting a hinge, substantially as described.

3. A toy cannon made in two parts, A and B, the part A formed of the breech portion of the barrel and the rear portion of the carriage, and the part B formed of the remainder of the barrel and carriage, said parts A and B being hinged at the bottom, and provided with the holes D' D², for the insertion of the locking-ramrod D, in combination with the said locking-ramrod D, substantially as described.

4. A toy cannon made in two parts, A and B, the part A formed of the breech portion of the barrel and a portion of the carriage, and the part B formed of the remainder of the barrel and carriage, the carriage portion of one of the said parts A and B embracing the carriage portion of the other, the said parts A and B being hinged together so as to close automatically when the carriage is placed on its base for firing, substantially as described.

In witness whereof I have hereunto set my hand.

JOHN J. LOUD.

Witnesses:

WM. B. H. DOWSE,
ALBERT E. LEACH.