

C. C. MURRAY,

TOY CANNON.

APPLICATION FILED APR. 28, 1917.

1,248,378.

Patented Nov. 27, 1917.

Fig. I.

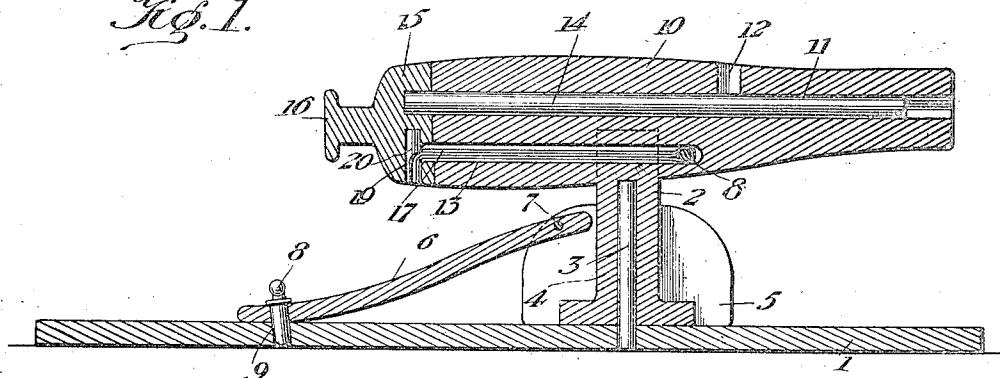
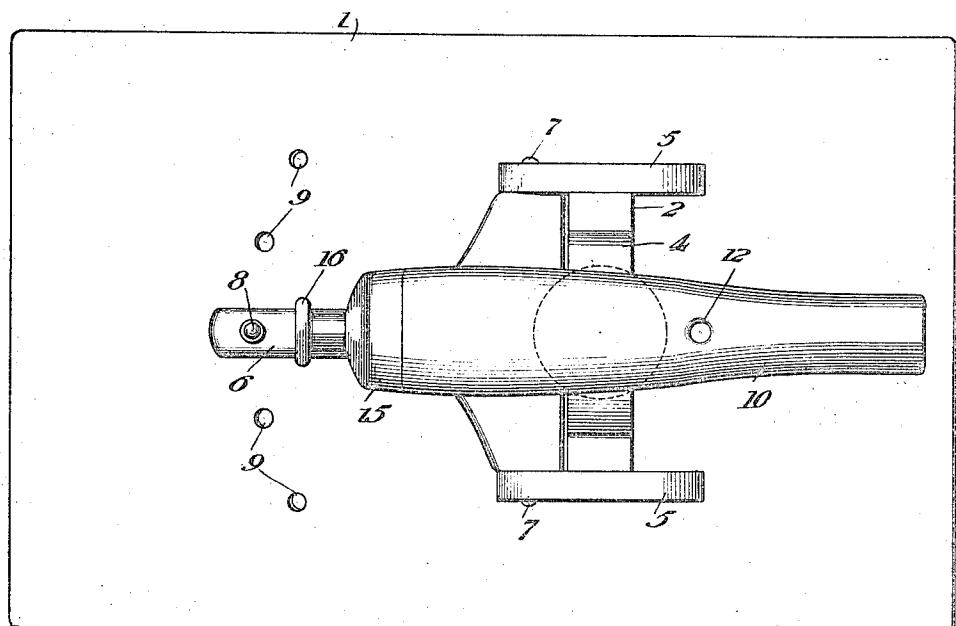


Fig. 2.



WITNESSES

Rousseau
de Rousseau

INVENTOR
C. C. Murray.
BY *Victor J. Evans.*

ATTORNEY

UNITED STATES PATENT OFFICE.

CHARLES C. MURRAY, OF LILLY, PENNSYLVANIA.

TOY CANNON.

1,248,378.

Specification of Letters Patent. Patented Nov. 27, 1917.

Application filed April 28, 1917. Serial No. 165,235.

To all whom it may concern:

Be it known that I, CHARLES C. MURRAY, a citizen of the United States, residing at Lilly, in the county of Cambria and State 5 of Pennsylvania, have invented new and useful Improvements in Toy Cannons, of which the following is a specification.

This invention relates to improvements in toy cannons, the object of the invention being to provide an improved toy of this character which is pivotally mounted and which is adapted to shoot shot and other like projectiles and which may be readily manufactured at small cost, is simple in construction 15 and which employs a rubber band as the spring for actuating the plunger rod and is so constructed that the band may be readily renewed when worn or broken.

In the accompanying drawings:—

20 Figure 1 is a longitudinal sectional view of a toy cannon constructed and arranged in accordance with my invention.

Fig. 2 is a plan of the same.

25 In the embodiment of my invention I provide a base 1 and a carriage 2 which is pivotally mounted on the base, the pivot being indicated at 3. The carriage comprises a cross block 4 having supporting members 5 at the ends and which bear slidably on the 30 base. A trail member 6 is pivotally mounted between the members 5, on the rear side of the cross block, as at 7. Said trail member bears at its free rear end on the base and may be secured to the base, to hold the 35 carriage with the cannon pointed in any desired direction, by means of a pin 8 which is inserted in an opening near the rear end of the trail and may be inserted in any one of a series of openings 9 which are arranged 40 in an arch concentric with the pivot.

The cannon 10 has its lower side secured in a recess in the upper side of the cross block. The cannon has a bore 11 which extends therethrough from end to end and also 45 has a vertical opening 12, in its upper side, at a suitable distance from the muzzle, the said opening communicating at its lower end with the bore. A bore 13 is also provided in the lower side of the cannon which 50 extends from the rear end thereof to a point slightly in advance of the cross block.

A plunger rod 14 is arranged for longitudinal movement in the bore of the cannon and has a breech 15 to bear against the rear 55 end of the cannon. The breech is provided

on its rear side with a centrally arranged knob 16 which may be readily grasped for the purpose of drawing the plunger rod rearwardly. A spring 17 which is formed by a rubber band, is arranged in the lower 60 bore of the cannon and has its front end secured on a pin 8 which is fitted removably in a transverse opening with which the cannon is provided. The rear end of the spring is secured in an opening 19 of the breech, by 65 means of a pin 20.

To shoot the cannon the plunger rod is drawn rearwardly, against the tension of the spring, by grasping the knob, and until the front end of the plunger rod is in rear 70 of the loading opening. A shot, marble, or other object of suitable size is then dropped into the bore of the cannon through the loading opening and the knob released, whereupon the spring projects the plunger 75 rod forwardly and causes the same to shoot the shot or projectile with considerable force and for a considerable distance from the cannon, as will be understood.

While I have herein described a preferred form of my invention I would have it understood that changes may be made in the form, proportion and construction of the several parts, without departing from the spirit of my invention and within the 80 scope of the appended claims.

Having thus described my invention, I claim:—

1. In a toy cannon, a base, a carriage pivotally mounted on the base and provided 85 with a trail and means to secure the trail to the base to hold the carriage in adjusted position.

2. In a toy cannon, a base, a carriage pivotally mounted on the base and provided 90 with a trail and means to secure the trail to the base to hold the carriage in adjusted position, the trail being pivotally connected to the carriage.

3. In a toy cannon, a base, a carriage 100 pivotally mounted thereon and comprising a cross block and members at the ends of the cross block and slidably arranged on the base, and a trail pivotally connected to and arranged between the said members and 105 bearing on the base.

4. A toy cannon having a longitudinal bore, a loading opening in the upper side of the cannon and extending to the bore, a plunger rod for longitudinal movement in 110

the bore and having a breech at its rear end and a spring connected to the breech and to the cannon to operate the plunger rod.

5. A toy cannon having a longitudinal bore, a loading opening in the upper side of the cannon and extending to the bore, a plunger rod for longitudinal movement in the bore and having a breech at its rear end

and a spring connected to the breech and to the cannon to operate the plunger rod, 10 said spring being arranged in a second bore in the cannon and having its ends detachably connected to the cannon and to the breech.

In testimony whereof I affix my signature. 15
CHARLES C. MURRAY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."