No. 629,820. Patented Aug. 1, 1899.

W. SANDERS.

TOY PISTOL.

(Application filed Sept. 27, 1898.)

(No Model.)

Fig. 1.

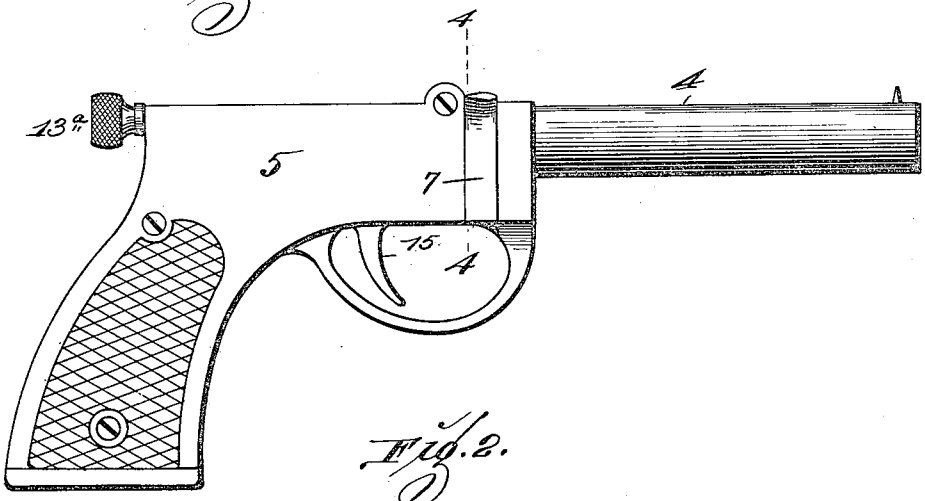


Fig. 2.

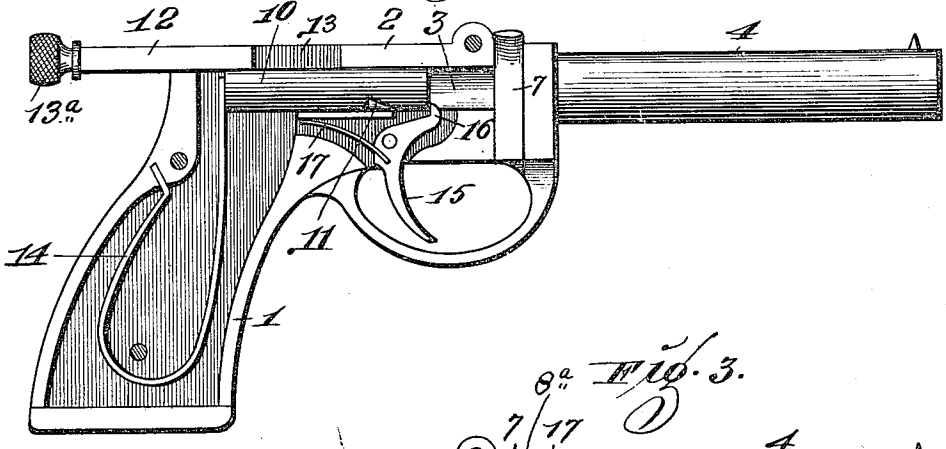


Fig. 3.

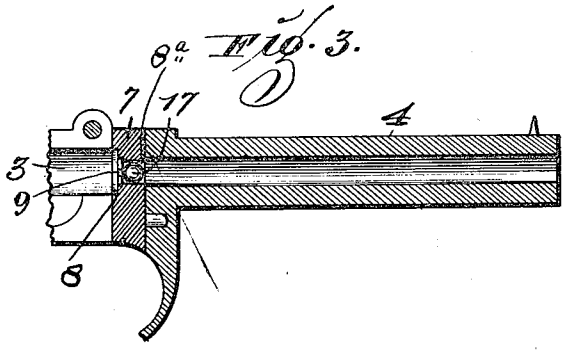
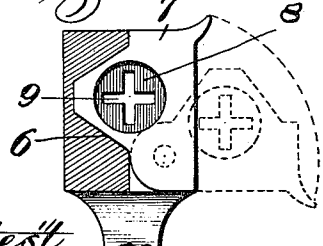


Fig. 4.



Attest:
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By Higdon & Longan, Attys.

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UNITED STATES PATENT OFFICE.

WILLIAM SANDERS, OF ST. LOUIS, MISSOURI.

TOY PISTOL.

SPECIFICATION forming part of Letters Patent No. 629,820, dated August 1, 1899.

Application filed September 27, 1898. Serial No. 692,010. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SANDERS, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Toy Pistols, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part thereof.

My invention relates to that class of toy pistols wherein a paper cap or the like is made use of to expel a small shot, which toy pistol is of the variety known as "breech-loading."

The object of my invention is to construct a toy pistol with a laterally-swinging breech-block, which breech-block is constructed to receive both the explosive cap and the ball; and my invention consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

Figure 1 is a side elevation of my improved toy pistol. Fig. 2 is a side elevation thereof with the side plate removed in order to disclose the interior mechanism of the pistol. Fig. 3 is a longitudinal sectional view of the barrel and breech of the toy pistol. Fig. 4 is a transverse sectional view taken approximately on the line 4 4 of Fig. 1.

In the construction of my improved pistol the handle 1, which is hollow, is provided in its upper end 2 with a horizontal bore 3, the same extending through the barrel 4. The plate 5 is removably located upon the handle 1, which plate 5 is provided on its inner face with a depression to correspond with the chamber in the hollow portion of the handle 1 and also with a horizontally-extending depression to correspond with the bore 3.

Formed in the handle near where the barrel 4 joins with said handle is a transverse chamber 6, which is normally occupied by the breech-block 7, the same being pivotally held at its lower end to the handle 1, said breech-block 7 being arranged to swing outwardly and downwardly, as indicated by the dotted lines in Fig. 4. Formed in the rear face of the breech-block is a circular depression 8, and formed in the front face thereof is a recess 8^a, said depression and recess being connected by an angular aperture 9, preferably in the form of a cross. When the breech-block is in its normal position, the recess 8^a is in direct alinement with the bore 3, and operating longitudinally within said bore 3 is a plunger 10, having a notch 11 formed in its under side, and integral with and projecting laterally from the rear end of said plunger 10 is an arm 12, that operates through a slot 13, formed in the top of the handle 1. A suitable knob or projection 13^a, having a milled edge, is formed integral with the rear end of the arm 12. This plunger 10 and integral parts perform the function of a hammer for the pistol. A U-shaped leaf-spring 14 has one end seated in the handle 1, the free end being in engagement with the rear end of the plunger 10. The trigger 15 is fulcrumed in the lower portion of the body 2, said trigger 15 being provided with a hook 16 at its upper end, and a leaf-spring 17 is secured to said trigger 15 and acts to throw the hook 16 thereof upwardly into the bore 3.

The operation of loading and firing my improved toy pistol is as follows: The plunger or hammer 10 is drawn to a half-cock or until the hook 16 engages in the notch 11. This action withdraws the forward end of the plunger 10 from the recess 8 in the breech-block 7, and said block 7 is now swung downwardly, as indicated by dotted lines in Fig. 4. A paper cap is now located in the depression 8, and a small shot is located in the recess 8^a, after which the breech-block is swung upwardly into the chamber 6. Then the plunger 10 is drawn to its limit of movement rearwardly until the hook 16 engages the forward end of said plunger 10, and said pistol is ready to be fired. When the trigger 15 is pressed, the hook 16 is disengaged from the forward end of the plunger 10, and said plunger is forced forwardly by the power stored in the spring 14, and when the forward end of said plunger strikes the cap in the chamber 6 said cap explodes and forcibly expels the shot 17.

A toy pistol of my improved construction is simple and inexpensive, does not use powder, and is therefore comparatively harmless, as the paper caps, such as are used in the pistol, do not expel the shot with any great degree of force.

I claim—

1. In a toy pistol, a laterally-swinging breech-block having recesses in its front and

rear faces to receive respectively a cap and a projectile, the wall separating said recesses being perforated, substantially as specified.

2. A toy pistol, provided with a transverse chamber formed between the handle and the barrel, a laterally-swinging breech-block pivotally held in said chamber, said breech-block being provided with recesses in its front and rear faces, the wall between which recesses is perforated, and a spring-actuated plunger operating through the handle of the pistol, which plunger strikes in the recess formed in the rear face of the breech-block, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM SANDERS.

Witnesses:

EDWARD E. LONGAN,

M. P. SMITH.