

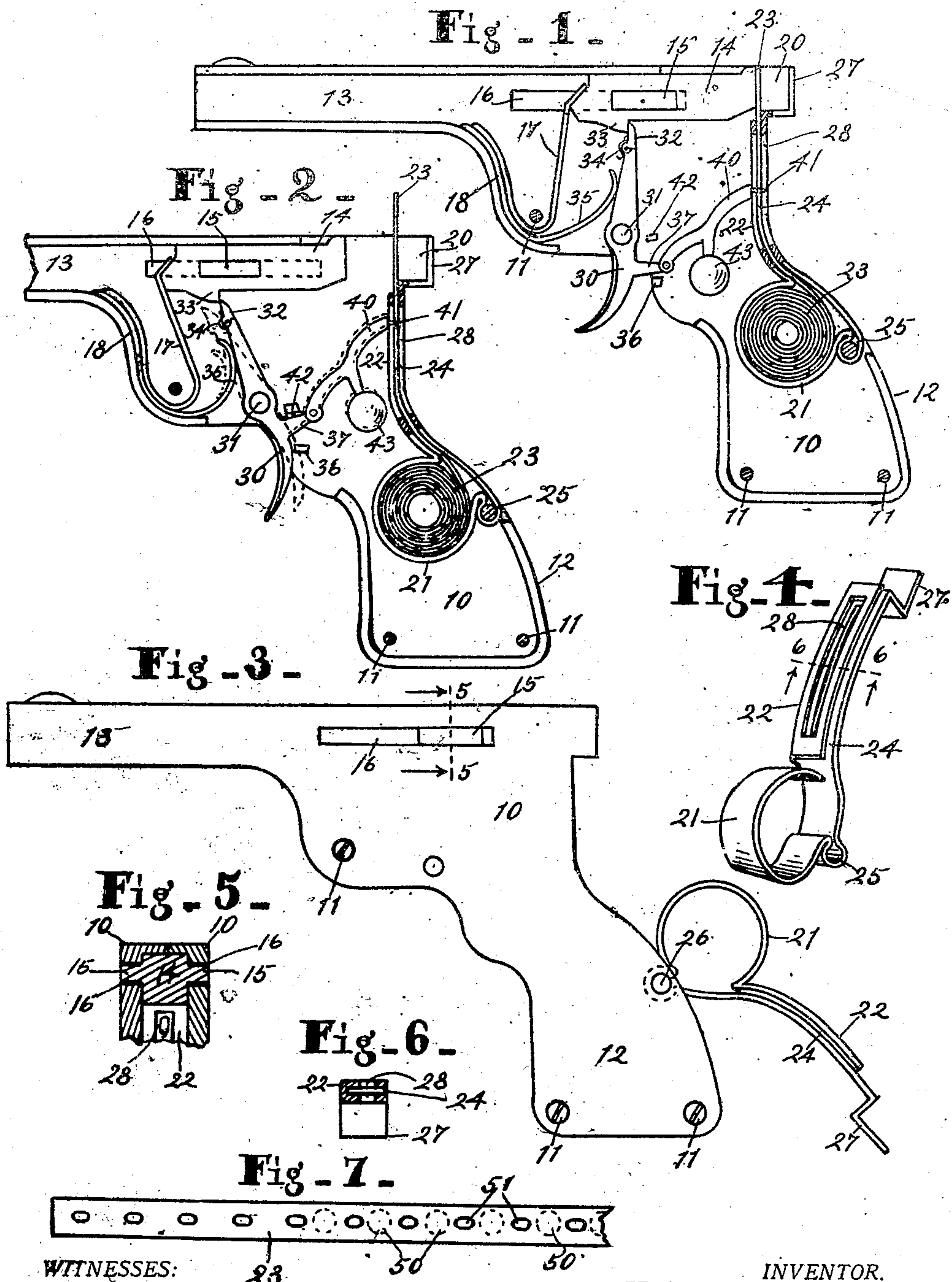
No. 894,578.

PATENTED JULY 28, 1908.

H. A. BIERLEY & W. F. PROBST.

REPEATING PISTOL.

APPLICATION FILED NOV. 14, 1907.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

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## REPEATING PISTOL.

No. 894,578.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed November 14, 1907. Serial No. 402,085.

*To all whom it may concern:*

Be it known that we, HENRY A. BIERLEY and WILLIAM F. PROBST, of Portsmouth and Chillicothe, respectively, counties of Scioto and Ross, respectively, and State of Ohio, have invented a certain new and useful Repeating Pistol; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like letters refer to like parts.

The object of this invention is to provide a repeating pistol adapted to employ a tape having therein a series of separated explosives. To that end a reciprocable hammer is provided that is controlled by a finger trigger and there is means for holding a coil of said explosive tape and guiding the same to the explosive position, and a trip for feeding the explosive tape that is actuated or controlled by the trigger.

While the invention shown herein is for a toy pistol, we do not wish it to be limited to anything of the kind as it may be used in other types of pistols and the like.

The nature of this invention will be understood from the accompanying drawings and the following description and claims:

In the drawings Figure 1 is an inside elevation of the pistol, one side of the casing thereof being removed and showing the trigger and other parts in their unoperated positions. Fig. 2 shows the rear part of what appears in Fig. 1 with the trigger and other parts actuated. Fig. 3 is a side elevation of the pistol with the tape holding and guiding means turned backward in position for inserting the tape. Fig. 4 shows the tape holder and guide detached. Fig. 5 is a section on the line 5—5 of Fig. 3. Fig. 6 is a section on the line 6—6 of Fig. 4. Fig. 7 is a plan view of a portion of the tape.

The pistol casing is formed of two halves secured together by screws 11 in the usual way for toy pistols so as to form a butt 12 and a barrel 13. The hammer 14 is a horizontal reciprocable block with laterally extending fins or flanges 15 that project and slide through the horizontal slots 16 in the casing. The hammer is propelled by the leaf spring 17, one side of which bears against the curved portion 18 of the casing, and the rear half of which bears at its upper end against the hammer. The hammer causes an explosion by striking the solid abutment 20 that is rectangular in shape and integral with or

secured to half of the casing. The exploding position, therefore, is immediately in front of said abutment 20.

The rear wall of the casing is open excepting in the lower part of the butt, as shown in Figs. 1 and 2, for the easy insertion of the holder 21 and guide 22 for the tape 23.

The tape 23 is a substantially stiff yet flexible strip, preferably formed of two layers of paper secured together with explosives or caps 50 located at equal intervals therein in a series and with holes 51 between said explosives and alternating therewith. Therefore, said tape may contain fifty or one hundred separate caps or explosives.

The tape is formed into a coil and inserted in the cylindrical holder 21 with the outer end of the tape placed sidewise in the guideway 22, being inserted through the lateral opening 24 thereof. The combined holder and guide is provided with an eye 25 through which a pivot 26 extends for pivoting it in the butt of the pistol. The guide is formed of two strips of metal secured parallel with each other to form a guideway 24 between them and secured together along one edge but open and spaced apart at the other edge at 24. The inner wall of the guideway has a longitudinal slot 28 and the outer wall of the guideway has a rectangular offset 27 that lies against the rear wall of the abutment 20, so that said abutment 20 serves as a stop to limit the inward movement of the tape holder and guide as the latter is turned into position into the chamber in the rear end of the pistol.

There is a trigger 30 fulcrumed at 31 with a pawl 32 pivoted on its upper end adapted to engage a lug 33 on the lower side of the hammer. Said lug has a square rear face and an inclined lower face, which enables the trip to return from its actuated position in Fig. 2, to its unoperated position in Fig. 1. A spring 34 returns said pawl 32 to its straight position after it has passed the lug 33 on the rearward movement. The spring 35 bears against the upper part of the trigger to return it to its unoperated position where the stop 36 on the casing is engaged by arm 37 extending rearwardly from the trigger.

To the arm 37 of the trigger the feed trip 40 is pivoted, the upper end of said trip having a tooth 41 projecting through the slot 28 of the guide 22 for the explosive tape and through one of the holes in said tape. As the trigger is actuated the rear end of the



trip will be pushed upwardly which will feed the tape to the exploding position, said trigger and trip being stopped in the feeding movement by the stop 42 on the casing that is engaged by the upper side of the arm 37 of the trigger. When the trigger is relaxed the trip 40 descends by gravity, it having the weight 43 on it to assist it in returning to its lower position and as the trip moves downwardly the tooth 41 rides downwardly over the surface of the tape until the tooth enters the next lower hole or notch in the tape. Then the pistol is ready for another operation of the trigger. Thus it is seen that the trigger controls the action of the hammer and also the feeding of the tape containing the explosives to the exploding position.

What we claim as our invention and desire to secure by Letters Patent is:

1. A repeating pistol including a chamber in the rear end thereof opening rearwardly, means removably insertible in said chamber for holding and guiding a tape with explosives therein to an exploding position, said holding and guiding means being pivoted at its lower

end so that it can be turned outwardly for recharging the same with the explosive tape, and means for stopping and holding the upper end of said guiding means so that said guiding means will register with the exploding position.

2. A repeating pistol provided with a guide-way to the exploding position, an explosive tape movable through said guide-way, a hammer, a trigger for controlling said hammer and having an arm extending therefrom, a trip pivoted on said arm of the trigger for engaging the tape, a stop for engaging said arm and limiting the feeding movement of the trip, means for returning the trigger and trip, and a stop to limit the return movement thereof, substantially as set forth.

In witness whereof, we have hereunto affixed our signatures in the presence of the witnesses herein named.

HENRY A. BIERLEY.  
WILLIAM F. PROBST.

Witnesses:

NELLIE ALLEMONG,  
OLIVE BREEDEN.