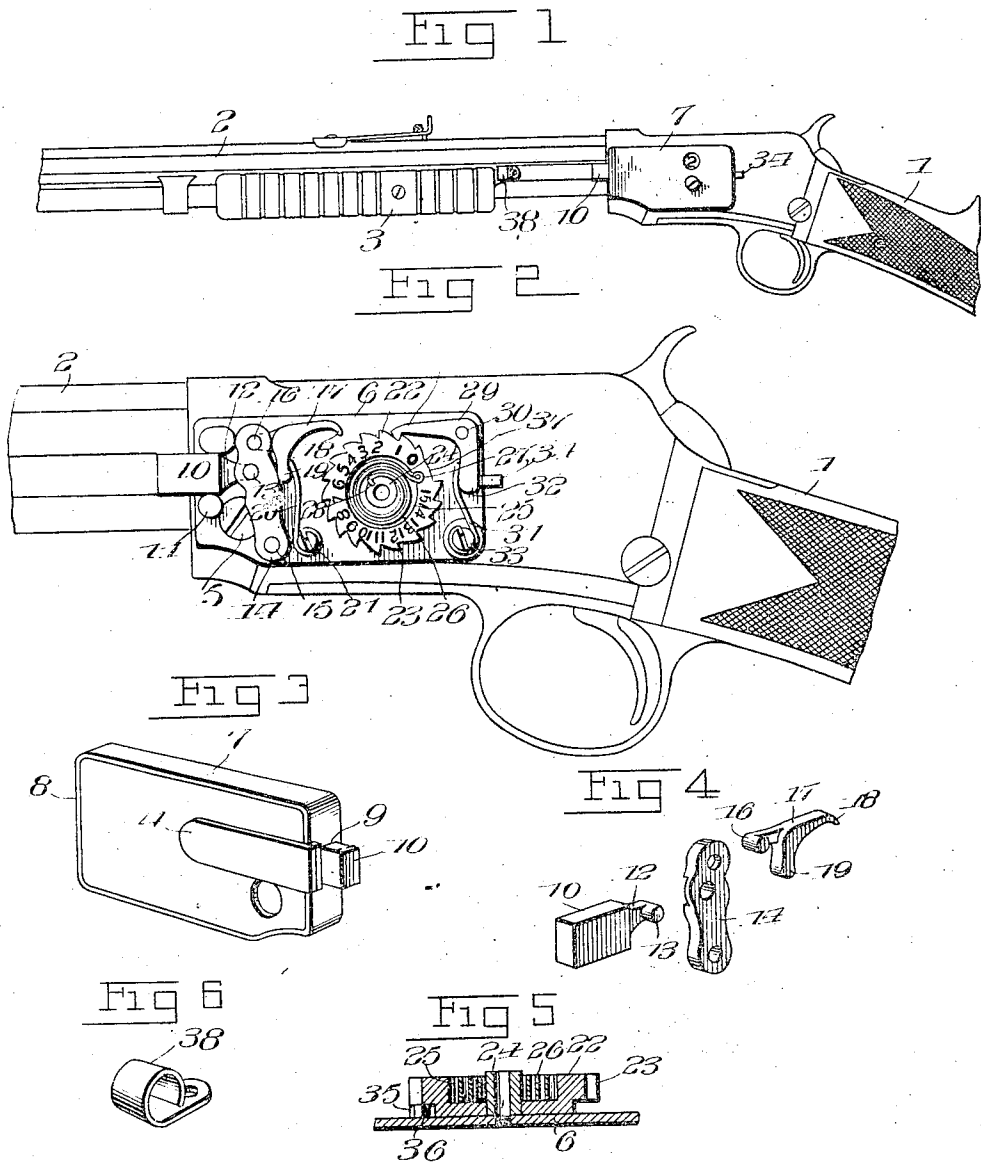


A. REY.
 REGISTERING ATTACHMENT FOR FIREARMS.
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1,056,582.

Patented Mar. 18, 1913.



Witnesses

M. H. Meyer.

R. M. Smith.

Inventor

Albert Rey

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

ALBERT REY, OF OKLAHOMA, OKLAHOMA.

REGISTERING ATTACHMENT FOR FIREARMS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALBERT REY, a citizen of the United States, residing at Oklahoma city, in the county of Oklahoma and State of Oklahoma, have invented new and useful Improvements in Registering Attachments for Firearms, of which the following is a specification.

This invention relates to registering attachments for firearms, the object in view being to provide a simple and reliable registering device adapted to be readily applied to any magazine rifle or firearm at the time of manufacture, or subsequent thereto, the device being adapted for use in connection with any magazine or repeating firearm, employing a pumping action for feeding the cartridges to the firing chamber.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts, as will be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claims hereunto appended.

In the drawings: Figure 1 is a side elevation of a firearm with the register applied thereto. Fig. 2 is an enlarged detail side elevation of the firearm broken away to show the register. Fig. 3 is a detail perspective view of the register detached. Fig. 4 is a detail perspective view of the plunger, lever and pawl segregated. Fig. 5 is a detail section of the counting wheel. Fig. 6 is a detail view of the spring carried by the hand grip.

Referring to the drawings, I have therein shown a firearm embodying the stock 1, barrel 2, and sliding hand grip 3 which has a back and forth movement in a plane parallel to the barrel of the firearm, and which operates in combination with suitable connections for feeding the cartridges to the firing chamber.

4 designates the slide cover, and 5 the screw for securing said cover in place.

In carrying out the present invention, I employ a register which is small in size and adapted to fit in the space covered by the slide cover 4, just behind the sliding hand grip 3, so as to be operated thereby, when the grip 3 is moved backward or toward the stock. The register embodies a base plate 6, and a cover plate 7, which is provided with a surrounding flange 8 embracing and bearing against the edge of the

base 6, and inclosing the operative parts of the register. This cover plate is provided in one end with a slot 9, through which reciprocates a bolt or plunger 10, passing between suitable guides or posts 11 and having a shank 12, from which extends a laterally projecting pin 13 that enters an opening in a lever 14 fulcrumed at one end on a pin or stud 15 projecting from the base plate 6. At its opposite end, the lever 14 is provided with a hole to receive a stud 16 on a pawl 17, which is thereby pivotally connected to the lever, said pawl being provided with an engaging point 18, and an elbow extension 19 which is held against the lever 14 by means of a spring 20, one end of which bears against the extension of the pawl, while the opposite end is secured to a stud 21 on the base plate 6.

22 designates a ratchet wheel provided with the ratchet teeth 23 on the periphery thereof, and also bearing numerals which indicate the number of shots fired, there being a numeral for each ratchet tooth. This counting or registering wheel 22 is mounted on a stud 24 on the base plate 6, and the central portion of said wheel is cut away, as shown at 25, to leave an annular space surrounding the stud 24 for the purpose of receiving a return spring 26, one end of which is connected to the wheel at 27, while the other extremity of the spring is bent inward and inserted in a notch 28 in the stud on which said wheel is journaled.

Arranged on the opposite side of the wheel 22 from the pawl 17 is a detent 29 mounted pivotally on a stud 30 on the base plate 6, said detent being normally held in engagement with the teeth on the registering wheel by means of a spring 31, one end of which bears against an arm 32 of the detent, while the other end of the spring is connected to a stud 33 on the base plate 6. The detent 29 is also provided with a tripping projection 34 which extends outward through an opening in the casing, so that it may be manipulated from the outside of the casing to throw the detent out of engagement with the registering wheel.

Each time the sliding hand grip 3 is moved backward, a spring 38 thereon comes into contact with the plunger and causes a movement of the lever 14 which carries the pawl 17 into engagement with one of the ratchet teeth on the registering wheel, and moves said wheel the space of one tooth, the

detent holding the registering wheel at the place where it is left by the pawl 17. The pawl thus acts repeatedly upon the registering wheel, and as the latter is revolved, it winds up the spring, and after the registering wheel has been carried around to the limit of its movement, by pressing inward on the detent, the registering wheel is released and the spring acts to return the same to the initial point of operation.

To limit the extent of movement of the registering wheel, the latter is provided on its side next to the base plate 6 with a stop shoulder 35 which comes into contact with a stop pin 36 on the base plate. To limit the movement of said wheel in the opposite direction, a longer space is left between the first and last tooth on said wheel, as indicated at 37, so that when said portion of the wheel is presented to the action of the pawl 17, the latter will fail to act thereon to turn the wheel further. This indicates that the last cartridge has been fired, and the register will thereafter be ineffective, until the magazine of the firearm has been refilled.

The device hereinabove described is small and compact, and may be easily shipped by mail and applied to a firearm already in use in a very short space of time. The device will effect a great saving in time to the manager of a rifle gallery, as the register will indicate exactly how many shots have been fired by each person using the rifle, and it frequently happens that quite a number of rifles are in use at the same time. This insures the manager of the gallery against any financial loss.

What is claimed is:

1. The combination with a magazine firearm, embodying a reciprocatory hand grip, of a register arranged in the path of said grip and embodying a plunger, a pawl actuated by the plunger, a ratchet faced reg-

istering wheel adapted to be operated by said pawl, a detent for holding said registering wheel, and a spring for returning said registering wheel to its initial position after it has been turned throughout the limit of its movement.

2. The combination with a magazine firearm, embodying a reciprocatory hand grip, of a registering device arranged in the path of said hand grip and embodying a base plate, a plunger adapted to be acted upon by said hand grip, a lever connected with said plunger, a pawl carried by said lever, a ratchet faced registering wheel journaled on the base plate, a detent engaging said wheel, a spring for returning said registering wheel to the initial point of its movement, and a stop for limiting the return movement of said wheel, the latter being recessed in one side to receive the return spring.

3. The combination with a magazine firearm, embodying a reciprocatory hand grip, of a register arranged in the path of the hand grip and embodying a base plate, a plunger, a lever operated by the plunger, a pawl carried by said lever, a registering wheel journaled on the base plate and provided with ratchet teeth on the periphery thereof, a detent engaging said wheel, a spring for returning said wheel to its initial point of operation, and a stop for limiting the return movement of said wheel, the teeth of said wheel being of uniform length with the exception of the first and final tooth, the space between which is increased so as to render the operation of the pawl inactive at one point in said wheel.

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

ALBERT REY.

Witnesses:

HENRY C. CARLBOLT,
HERMAN RIGERT.