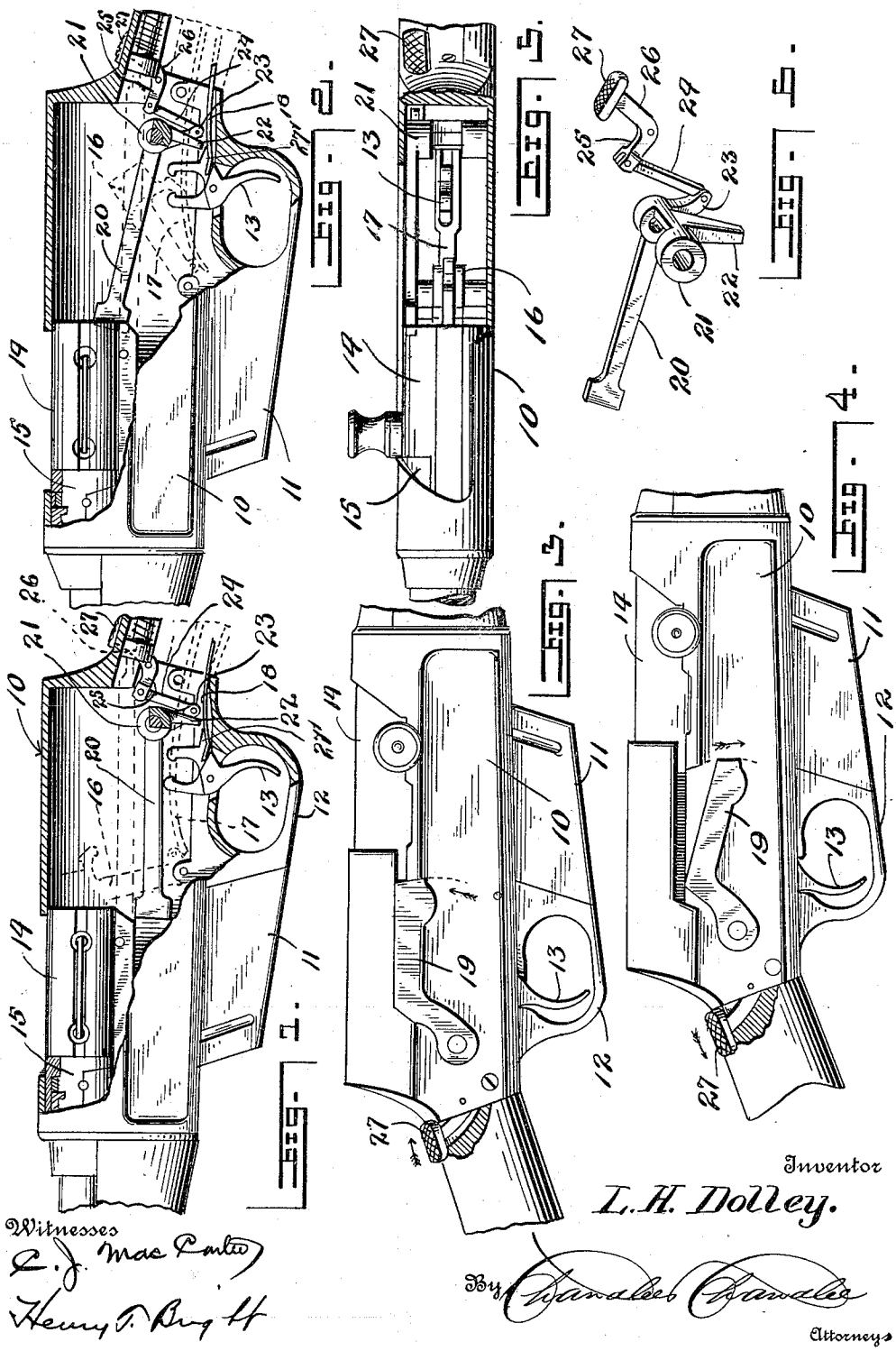
L. H. DOLLEY.

RECOIL OPERATED FIREARM.

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1,067,721. **Patented July 15, 1913.**



Witnesses

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LEON H. DOLLEY, OF SHERMAN MILLS, MAINE.

RECOIL-OPERATED FIREARM.

1,067,721. Specification of Letters Patent. Patented July 15, 1913.

Application filed October 21, 1912. Serial No. 727,010.

To all whom it may concern:

Be it known that I, LEON H. DOLLEY, a citizen of the United States, residing at Sherman Mills, in the county of Aroostook, State of Maine, have invented certain new and useful Improvements in Recoil-Operated Firearms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to recoil-operated firearms and particularly to the safety thereof.

The object of the invention resides in the provision of a safety for a firearm of the type named which may be controlled by the hand of the operator when same is in position to effect the firing of the gun, such a condition avoiding the necessity of the operator moving his hand to one position to effect the release of the safety and to another position to effect the firing of the gun, the time consumed in such movements of the hand often resulting in losing the opportunity of a shot at distant game.

With this object in view the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully described and particularly pointed out in the appended claims.

In describing the invention in detail reference will be had to the accompanying drawings wherein like characters of reference denote corresponding parts in the several views, and in which—

Figure 1 is a longitudinal section through the mechanism of a recoil operated gun having the improved safety associated therewith and shown in released position. Fig. 2 a view similar to Fig. 1 with the safety shown in locking position. Fig. 3 a right hand side elevation of the gun with the safety disposed in locking position. Fig. 4 a view similar to Fig. 3 with the safety disposed in released position. Fig. 5 a plan view of the gun partly broken away and showing the safety in locking position, and Fig. 6 a detail perspective view of the safety detached.

Referring to the drawings 10 indicates the receiver, 11 the magazine, 12 the trigger plate, 13 the trigger, 14 the bolt carrier, 15 the bolt, 16 the hammer, 17 the hammer spring and 18 the trigger spring all of which operate in the usual and well known manner and as fully described in U. S. patents to J. M. Browning #659,786, issued Oct. 16, 1900, and #701,288, issued June 3, 1902.

The improved safety device which forms particularly the subject matter of this application is shown as comprising an indicator arm 19 and a rocker arm 20 which are pivotally mounted upon the receiver 10 to move in unison, the former being disposed against the outer face of the right hand side of the receiver and the latter against the inner face thereof. The inner end of the rocker arm 20 is provided with a lateral extension 21 disposed entirely across the receiver 10. Formed centrally of the extension 21 is an arm 22 which is adapted to cooperate with the trigger 12 in a manner that will hereinafter appear. Formed at the inner end of the rocker arm 20 and disposed against the inner face of the right hand side of the receiver 10 is another arm 23 which is bifurcated at its free end and has pivotally connected thereto between the resultant arms one end of a link 24. Pivotally mounted against the inner face of the right hand side of the receiver 10 at the rear of the extension 21 is an angle lever which includes arms 25 and 26, the former being pivotally connected to the link 24 while the latter has its free end disposed exteriorly of the receiver and provided with a thumb piece 27, said thumb piece being located just at the rear of the receiver whereby the same may be engaged by the hand when the latter is in position to effect the firing of the gun.

It will be apparent that by rocking the angle lever formed of the arms 25 and 26 on its pivot both the indicating arm 19 and the rocker arm 20 may be moved in unison to either released position shown in Figs. 1 and 4 or to locking position shown in Figs. 2 and 3. When the rocker arm 20 is disposed in locking position the free end thereof is positioned relatively near and across the rear end of the bolt carrier 14 so that the retraction of said bolt carrier is rendered impossible. It will also be noted that when the rocker arm 20 is disposed in locking position the free end of the arm 22 is located across and just above an extension 27′ formed on the rear of the trigger 13 so that no firing movement can be imparted to the trigger. When it is desired to release the safety the angle lever formed of the arms

25 and 26 is rocked to move the indicator arm 19 and rocker arm 20 to the position shown in Figs. 1 and 4. This movement of the rocker arm 20 will position the arm 22 so as not to interfere with the operation of the trigger 13. It will also be noted that when the rocker arm 20 is in the position shown in Fig. 1 the bolt carrier may be freely retracted.

It will thus be seen that there has been provided a safety for recoil-operated firearms which may be controlled by the hand when the latter is in firing position so as to enable a shot to be taken without any appreciable delay as the result of pronounced movement of the hand from and to firing position.

What I claim is:—

In a gun, the combination of a receiver, a bolt carrier slidable in the receiver, a trigger, a rocker arm pivoted in the receiver and movable to dispose the free end thereof across the rear end of the bolt carrier to lock the latter against retraction, a second arm at the inner end of said rocker arm adapted to be positioned by the movement of the latter to locking relation with respect to the bolt carrier so as to lock the trigger against firing movement, an angle lever pivotally mounted on said receiver, one arm of said lever having its free end disposed exteriorly of the receiver at the rear thereof, and connections between the other arm of said lever and the rocker arm whereby the oscillation of said angle lever will move said rocker arm to locking and release positions with respect to the bolt carrier.

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

LEON H. DOLLEY.

Witnesses:
L. E. JACKMAN,
W. S. CALDWELL.

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