



A.D. 1869, 30th DECEMBER. N° 3774.

S P E C I F I C A T I O N

OF

JOHN STANTON.

—
SAFETY GUN LOCK.
—

LONDON:

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1870.



A.D. 1869, 30th DECEMBER. N^o 3774.

Safety Gun Lock.

LETTERS PATENT to John Stanton, of No. 13, Clifton Street, Wolverhampton, in the County of Stafford, Gun Lock Manufacturer, for the Invention of "AN IMPROVED REBOUNDED SAFETY GUN LOCK."

Sealed the 28th June 1870, and dated the 30th December 1869.

PROVISIONAL SPECIFICATION left by the said John Stanton at the Office of the Commissioners of Patents, with his Petition, on the 30th December 1869.

I, JOHN STANTON, of No. 13, Clifton Street, Wolverhampton, in the
5 County of Stafford, Gun Lock Manufacturer, do hereby declare the nature of the said Invention for "AN IMPROVED REBOUNDED SAFETY GUN Lock," to be as follows:—

This Invention has for its object the rebounding of the cock or hammer to half-cock position by self-action immediately after firing the
10 gun, rifle, or pistol used for military, sporting, and other purposes, thereby insuring safety and effecting a saving of one movement, so indispensable in central fire-arms.

Stanton's Improved Safety Gun Lock.

I construct the several parts of the lock, bar and back action, and otherwise in the ordinary manner, with the following exceptions:—The mainspring being made the usual length, I lengthen the tumbler below the bents and form it into a curve shape, so as to cause it to bear against the hook or claw end of the mainspring. I construct a roller, and place 5 it in position so as to bear against the side of the tumbler to facilitate the rebound action of cock after it has struck the cap, nipple, or any other appliance to produce ignition of charge. I construct the bearing of the claw and tumbler either with or without rollers, or without a roller on either claw or tumbler. I construct this lock so that it will, 10 if desired, self-bolt the cock in the half-cock position, as an additional means of safety from accidents. This lock can be made either with or without the usual swivel, or the crane or lever end of the tumbler, thereby dispensing with one part of the tumbler and relinquishing the swivel. The hammer being always kept in the position of half-cock 15 ready to be pulled to full-cock, it is impossible for it to fall by the pull of the trigger, unless pressed forward intentionally, and if by accident the hammer should be drawn to nearly full-cock and loosened it would not fall upon the nipple, as the sear nose with the assistance of the usual sear spring would engage in the half-cock of the tumbler, and 20 thereby avoid an accidental explosion of the charge.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said John Stanton in the Great Seal Patent Office on the 29th June 1870.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JOHN 25 STANTON, of No. 13, Clifton Street, Wolverhampton, in the County of Stafford, Gun Lock Manufacturer, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Thirtieth day of December, in the year of our Lord One thousand eight hundred and sixty-nine, in the 30 thirty-third year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said John Stanton, Her special licence that I, the said John Stanton, my executors, administrators, and assigns, or such others as I, the said John Stanton, my executors, administrators, and assigns, should at any time agree with, and no others, 35

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from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for "**AN IMPROVED REBOUNTING**
5 **SAFETY GUN LOCK,**" upon the condition (amongst others) that I, the said John Stanton, my executors or administrators, by an instrument in writing under my, or their, or one of their hands and seals, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same
10 to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

NOW KNOW YE, that I, the said John Stanton, do hereby declare the nature of my said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the
15 following statement, that is to say:—

My Invention has for its object or purpose the throwing back or rebounding the cock or hammer to half-cock position by self-action immediately after firing the gun, rifle, or pistol used for military, sporting, and other purposes, thereby insuring safety in the use of
20 fire-arms and effecting a saving of one movement, which is most valuable and indispensable in central fire-arms.

I construct the several parts of the lock both for bar and back action and otherwise in the ordinary manner, with the following exceptions:—
The mainspring being made as heretofore, I alter the tumbler and
25 lengthen it at the end below the bents, and make this lengthened end into a curved shape or form in such length and proportion as to cause it to touch or bear against the hook or claw end of the mainspring. I construct a roller and place it in position so as to cause it to bear against the side of the curved end of the tumbler. The object of this
30 roller is to facilitate the motion in the rebounding action of the cock or hammer after firing the cap or striking the nipple or any other appliance to produce ignition of the charge. I also place a roller in the curved end of the tumbler, so as to cause the roller in the tumbler and the roller in the claw end of the mainspring to act together in
35 contact and conjointly to reduce the friction. I thus, either with the roller or rollers inserted, or without the use or introduction of a roller in either tumbler or in the mainspring, secure a perfectly antifriction rebounding action of the cock or hammer to half-cock as desired. I

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construct this gun lock so that it will, if desired, self-bolt the cock in the half-cock position, thereby secure an additional means of safety, and thus avoid accidents. This gun lock can be made either with or without the usual swivel or the crane or lever end of the tumbler, thus dispensing with one part of the tumbler and relinquishing the swivel. 5 The hammer, by my construction of this lock is always retained in the position of half-cock waiting to be pulled to full-cock. The hammer or cock cannot fall by the pull of the trigger when at half-cock, and if by accident the hammer should be drawn to nearly full-cock and then loosened it would not fall upon the nipple, as the sear nose with the 10 assistance of the usual sear spring would engage in the half-cock of the tumbler, and thereby avoid an accidental explosion of the charge.

Having described the nature of my Invention and the construction of the part or parts to produce the rebound effect by self-action of the cock or hammer of gun, pistol, rifle, and military gun locks, I now 15 further illustrate my improvement by the accompanying Drawings.

Fig. I. represents a plan of the interior of the bar lock shewing the ordinary mainspring with a roller inserted at the claw end of it, as at (a), and bearing against the lengthened end of the tumbler (b, c, colored red), as heretofore described. The plan of the other parts of this lock 20 represents them as usually hitherto made.

Fig. II. represents a plan of the interior of the back-action gun lock shewing the ordinary mainspring with a roller inserted at the claw end of it, as at (a), and bearing against the lengthened end of the tumbler (b, c, colored red), as heretofore described. The plan of the other parts 25 of this lock represents them as usually hitherto made.

Fig. III. represents a side view of the ordinary mainspring open, with a roller inserted in the claw end of it, as at (a).

Fig. IV. represents a plan of the tumbler shewing the lengthened end, as at (b, c, colored red), as heretofore described. 30

Having now described the nature of my said Invention, and the manner in which the same is to be done, I wish it to be understood that I do not limit myself to the precise details herein described and illustrated by the Drawings, as the same may be varied without departing from the nature of my Invention; nor do I claim originality 35 in causing the self-action of the cock or hammer to rebound to half-cock, such having been done in different ways; but what I do claim as

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my Invention and improvement is, the lengthening of the end below the bents of the tumbler, and forming this lengthened part of the tumbler into a curved or V shape or other suitable form, and then causing this curved or V shape or other suitable form thus lengthened
5 to bear upon or against the lower or claw end of the ordinary mainspring, in which end of mainspring, when required, the insertion of roller or rollers, also roller or rollers in the curve or V part of the tumbler, in either or both mainspring or tumbler, as may be required, to assist and produce the rebound self-action to half-cock, as herein
10 described and illustrated by the Drawings.

In witness whereof, I, the said John Stanton, have hereunto set my hand and seal, this Twenty-fourth day of June, in the year of our Lord One thousand eight hundred and seventy.

JOHN STANTON. (L.S.)

15 Witness,

JOHN WILKINS,
Old Hall Works,
Wolverhampton.

LONDON:

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Printers to the Queen's most Excellent Majesty. 1870.