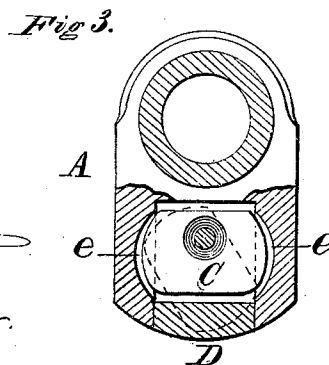
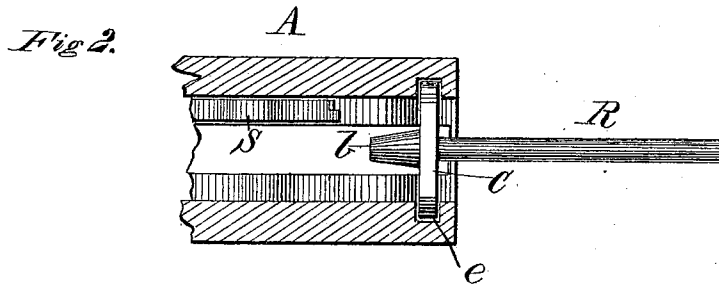
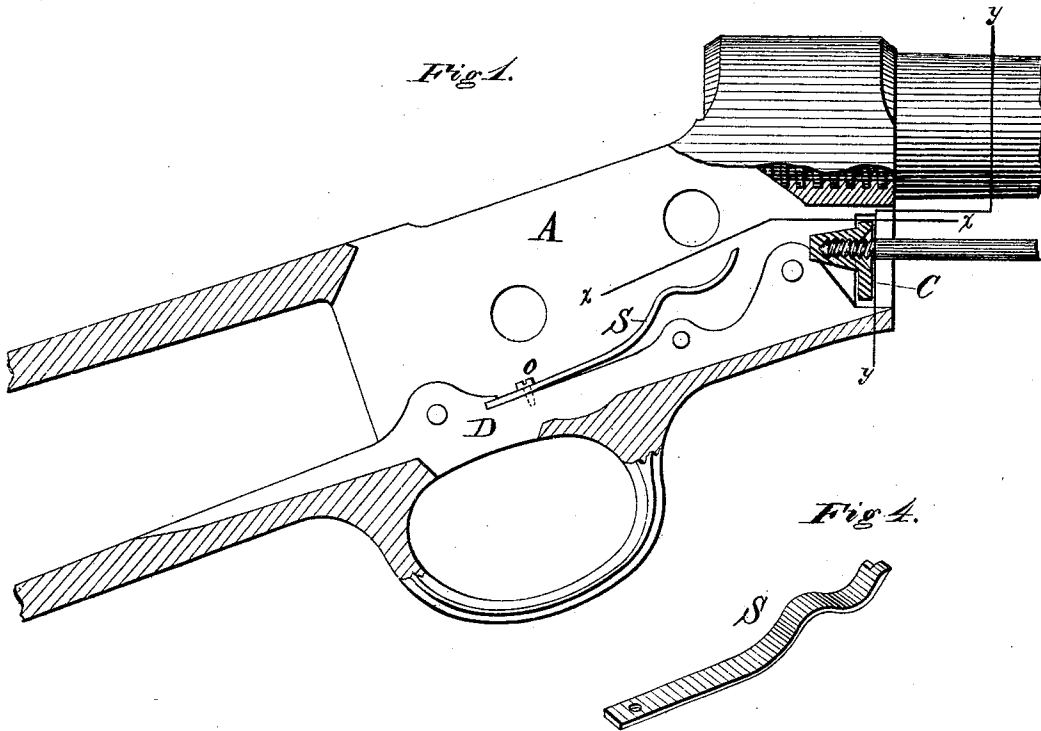


F. C. MAUSER.
Fire-Arms.

No. 148,476.

Patented March 10, 1874.



Witnesses.

Harry King.
H. H. Dodge.

Inventor.

Francis C. Mauser.
By Dodgeson
Attys.

UNITED STATES PATENT OFFICE

FRANCIS C. MAUSER, OF ILION, NEW YORK, ASSIGNOR TO E. REMINGTON & SONS, OF SAME PLACE.

IMPROVEMENT IN FIRE-ARMS.

Specification forming part of Letters Patent No. **148,476**, dated March 10, 1874; application filed August 11, 1873.

To all whom it may concern:

Be it known that I, FRANCIS C. MAUSER, of Ilion, in the county of Herkimer and State of New York, have invented certain Improvements in Fire-Arms, of which the following is a specification:

My invention relates to fire-arms; and the invention consists in an adjustable stop or hold-fast for the ramrod, all as hereinafter more fully described.

Figure 1 is a side elevation of that portion of a gun containing my improvements, with a portion broken away to show the improvements. Fig. 2 is a transverse horizontal section on the line *x x* of Fig. 1, looking from above downward. Fig. 3 is a transverse vertical section on the line *y y* of Fig. 1, and Fig. 4 is a perspective view of the spring detached.

The drawings represent a gun made on what is known as the Remington system; but it is obvious that my improvements may be applied to other systems also.

It is usual in making guns to bore a hole in a lug or portion of the metal forming the front end of the receiver or frame, directly under the barrel, for the end of the ramrod to screw into, the hole in such cases necessarily occupying a fixed position, and requiring great care and accuracy in arranging the parts in order to bring them in such relation as to insure the rod entering this hole when the latter is inserted in the stock.

To obviate this, and provide a stop or device that will automatically adjust itself to the position of the rod, I cut the recess in the receiver entirely out at the front end under the barrel, leaving the two side walls projecting vertically downward, as shown in Figs. 1 and 3, the lower edge of this opening being subsequently closed by the insertion of the guard-strap D, in the usual manner. In the inner faces of these side walls, near their front end, a semicircular groove, *e*, is cut, as shown in Figs. 2 and 3, to

receive the stop C. This stop I make of a piece of metal, which has its ends made of a circular form to fit in the grooves *e*, as shown in Figs. 2 and 3, it being made of a width vertically somewhat less than the depth of the recess in the receiver, so as to permit it to move vertically therein, it being also made a little shorter than is necessary to fill the grooves to permit this vertical motion. This stop C has projecting from its rear side a lug, *b*, and it has bored in from the front a hole, which extends into this lug, the mouth of this hole being made conical, and considerably enlarged, as shown in Figs. 1 and 3. After the stop and receiver are thus formed, the former is placed in position by inserting it endwise into the recess in the latter, and when opposite the grooves *e* turning it until its ends engage in the grooves, after which the guard-strap D is inserted, which prevents the stop C from being turned so as to become disengaged or drop out, there being left, as shown in Fig. 3, sufficient space to permit the stop to be moved vertically in its seat a short distance.

When thus arranged, it will be seen that as the rod R is inserted its end will enter the enlarged conical mouth of the hole in the stop, and thereby adjust the stop so as to bring its hole in line with the end of the rod, which can then be screwed therein, thus producing an automatic adjustment of the stop to the position of the rod.

Having thus described my invention, what I claim is—

An adjustable stop for securing the ramrod in place, arranged to operate substantially as described, whereby it will adjust itself to the position of the rod when the latter is inserted, as set forth.

FRANCIS C. MAUSER.

Witnesses:

W. S. SMOOT,
H. H. BENEDICT.