

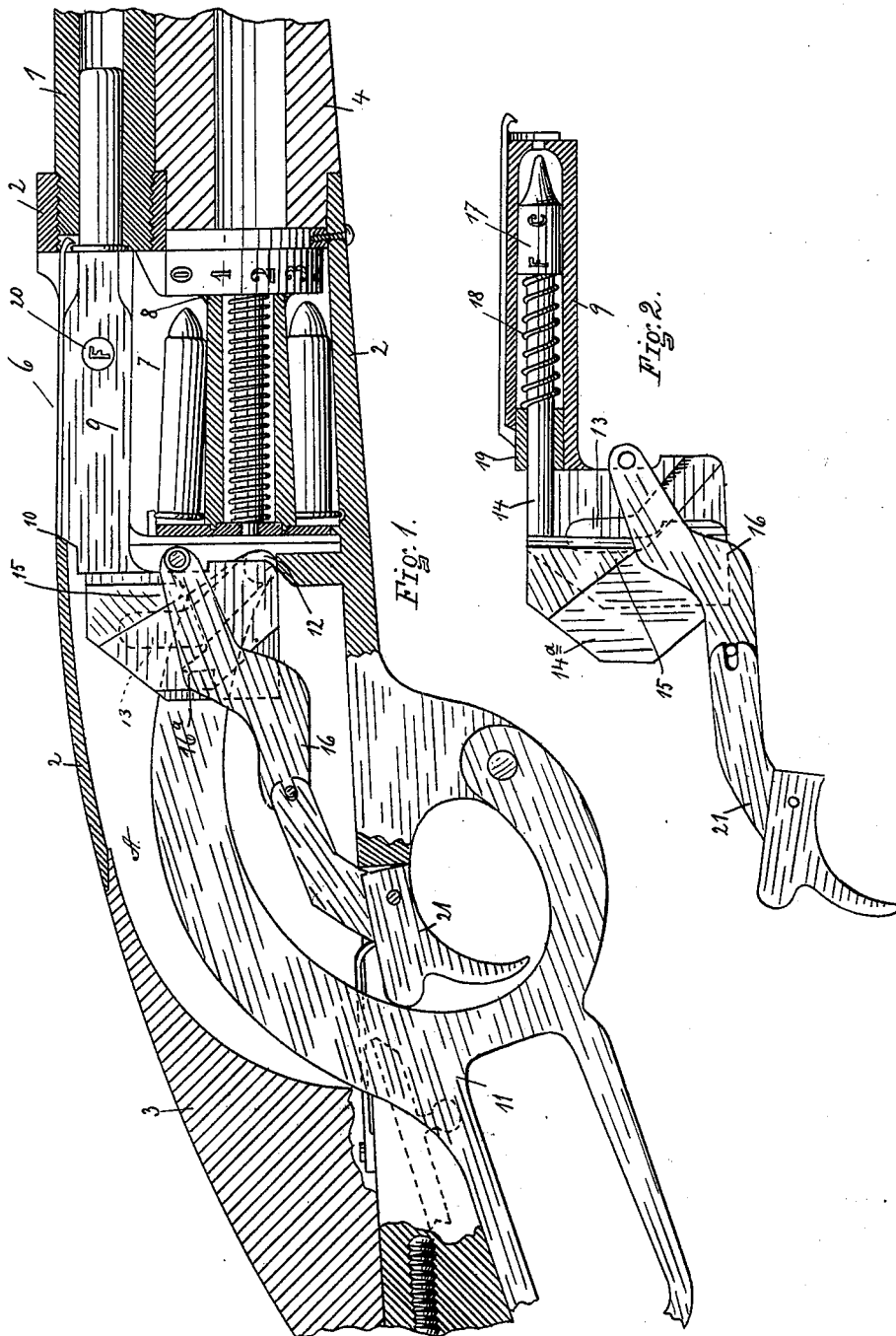
No. 611,284.

Patented Sept. 27, 1898.

A. W. SAVAGE.  
INDICATOR FOR FIREARMS.

(Application filed Jan. 17, 1893.)

(No Model.)



WITNESSES

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# UNITED STATES PATENT OFFICE.

ARTHUR WILLIAM SAVAGE, OF UTICA, NEW YORK, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE SAVAGE REPEATING ARMS COMPANY, OF SAME PLACE.

## INDICATOR FOR FIREARMS.

SPECIFICATION forming part of Letters Patent No. 611,284, dated September 27, 1898.

Application filed January 17, 1893. Serial No. 458,715. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR WILLIAM SAVAGE, of Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Magazine-Firearms; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form part of this specification.

Figure 1 shows a longitudinal section of a magazine-firearm embodying my present improvements, excepting the bolt, which is shown in full. Fig. 2 shows portions of the firearm, including the bolt shown in section.

Referring to the reference letters and figures in a more particular description, 1 indicates the barrel, which is screw-threaded into the frame 2 in the usual manner, and which frame is constructed to receive the stock 3. Under the barrel is provided a tip-stock 4. In the frame at the end of the barrel is provided a breech-opening 6, through which the arm is loaded and from which the empty shells are ejected. Beneath the breech-opening 6 is provided the magazine 7, adapted to contain the cartridges and containing the cartridge-carrier 8. The bolt 9 is adapted to reciprocate backward and forward in the receiver and is provided with the breech-shoulder 10, adapted to engage with the corresponding shoulder on the frame 2. The bolt 9 is operated by the lever 11, having a curved arm, and the stud or projection 12 on the end of the arm operating in a cam-groove 13 in the wing portion of the rear end of the bolt 9. In its movement the rear end of the bolt is dropped downwardly and retired into the space indicated by A when the breech is open. The breech-bolt is hollow and receives the firing-pin 14, having a wing-like portion 14<sup>a</sup> at its rear end, including also a projection 15, adapted to be caught on a projection at 16<sup>a</sup> on the sear 16.

On the forward end of the firing-pin 14 is provided a firing-pin tip 17, having a point adapted to be projected through an opening 50 in the front end of the bolt for the purpose of exploding the primer in the shell. The chamber or recess in the firing-pin also receives the firing-spring 18, which is confined between the tip 17 and the bushing 19, closing the rear 55 end of the opening in the breech-bolt, except a passage for the firing-pin 14. On the firing-pin tip 17 are provided characters "F" and "C," as shown in the drawings. When in the cocked position, the character "C," as 60 shown, is adapted to appear at the opening 20 in the breech-bolt and indicates that fact. When the arm has been fired, the position of the firing-pin and firing-pin tip is changed so that the other character "F," as shown, ap- 65 pears at the opening 20 in the breech-bolt and indicates that the arm has been fired or that it is not cocked. In closing the bolt from its retired position at A within the frame toward the position shown in full lines in Fig. 70 1 the projection 15 on the side of the firing-pin wing engages with the projection shown in dotted lines at 16<sup>a</sup> on the side of the sear 16, and the firing-pin is held back and the firing-spring 18 compressed while the bolt is 75 completing the movement toward the position shown in Fig. 1. The parts are shown in the cocked position in Fig. 2. The arm is fired by operating the trigger 21, which throws the projection 16<sup>a</sup> out of engagement with the 80 projection 15.

What I claim as new, and desire to secure by Letters Patent, is—

The breech-bolt provided with an opening, a firing-pin provided with characters arranged to be exposed at the opening to indicate the position of the firing-pin combined, substantially as set forth. 85

In witness whereof I have affixed my signature in presence of two witnesses.

ARTHUR WILLIAM SAVAGE.

Witnesses:

RICH. A. GEORGE,  
GEORGE C. CARTER.