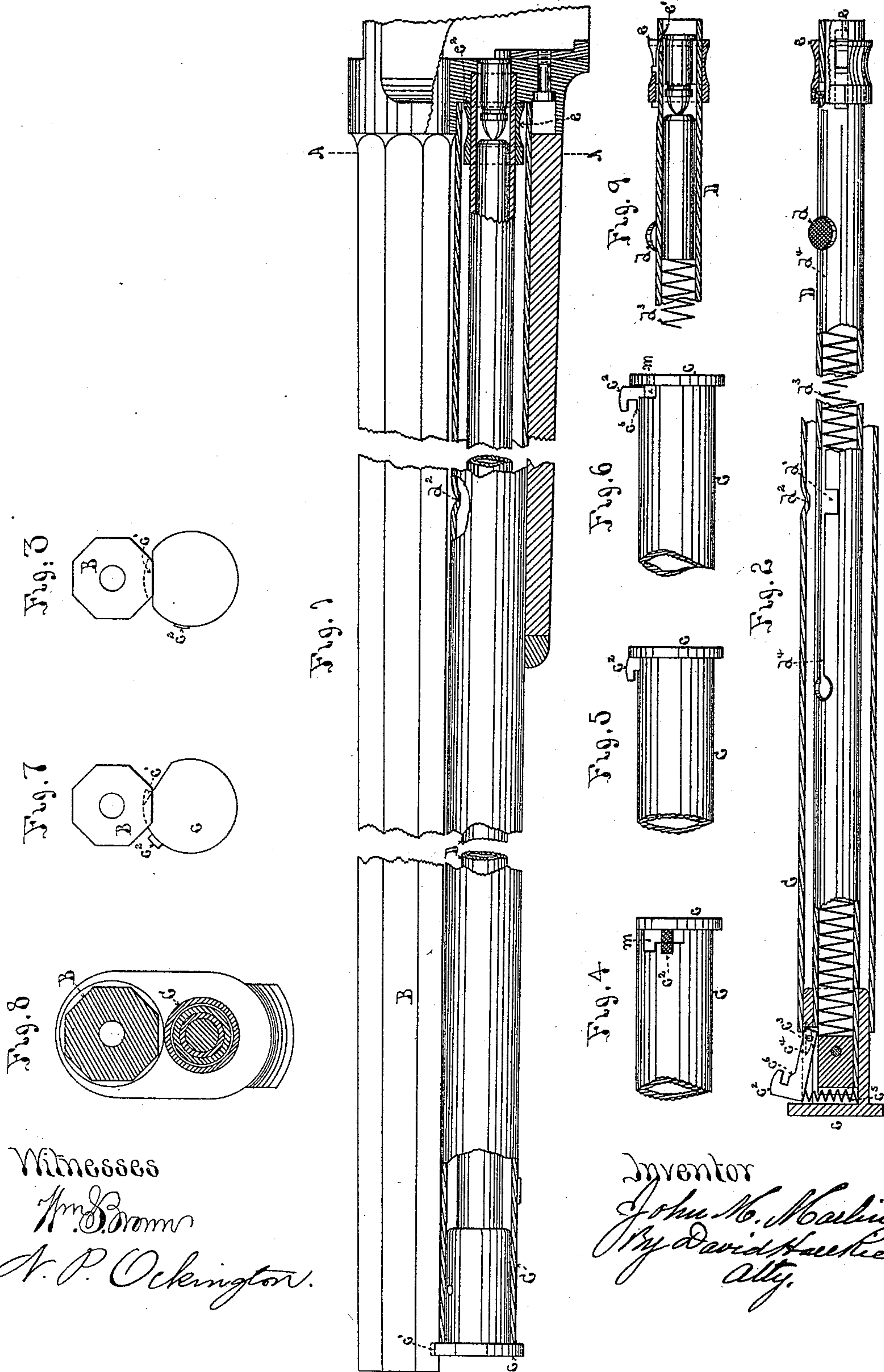


(No Model.)

J. M. MARLIN.
MAGAZINE FIRE ARM.

No. 413,196.

Patented Oct. 22, 1889.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN M. MARLIN, OF NEW HAVEN, CONNECTICUT.

MAGAZINE FIRE-ARM.

SPECIFICATION forming part of Letters Patent No. 413,196, dated October 22, 1889.

Application filed November 28, 1884. Serial No. 148,992. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. MARLIN, of New Haven, in the county of New Haven and State of Connecticut, have invented a certain
5 new and useful Improvement in Magazine Fire-Arms, of which the following is a specification.

My invention relates to magazine fire-arms; and it consists in certain improvements in
10 the magazine and connections therewith, substantially as hereinafter described and claimed.

In the drawings, Figure 1 is a side view of the barrel and magazine of a fire-arm, partly
15 in section. Fig. 2 is a view of the magazine and magazine-case detached from the arm, partly in section, and broken away to show the internal construction. Fig. 3 is a view of the muzzle end of the arm with the magazine
20 inserted in its case before it is locked. Fig. 4 is a side view of the same from one direction. Fig. 5 is a side view of same from another direction. Fig. 6 is a side view of the same after the magazine has been turned and
25 locked in its case. Fig. 7 is an end view of same. Fig. 8 is a section through the line A A of Fig. 1. Fig. 9 is a side view in section of a portion of Fig. 1 from a different direction than is shown in that figure.

My present invention is an improvement upon the mechanism shown in my application filed in the Patent Office August 4, 1884,
30 No. 139,587.

B is the barrel of the arm.

5 C is the magazine-case.

D is the magazine, which is removable from the case to fill the same with cartridges. This magazine is constructed to be filled and inserted in the case and revolved a part of a
35 turn, which unlocks the sliding bolt d from the notch d' by bringing the head of the bolt d against the inward projection d^2 in the magazine-case, and allows the bolt d to slide along the groove d^4 , substantially as described
40 in my former application. This allows the spiral spring d^3 to force the bolt d against the cartridges and force them from the magazine in the ordinary manner.

In order to prevent the cartridges from escaping from the magazine before it is seated
45 in its bearings in the magazine-case and while it is being introduced therein, I provide

a sliding sleeve e on the end of the magazine, to which is attached a spring e' , which projects through a slot into the magazine when
50 the sleeve e is shoved toward the open end of the former, as shown in Fig. 9, and in this position the end of the spring forms a stop to prevent the cartridges from escaping. When the magazine is pressed downward into its
55 case, as shown in Fig. 1, the shoulder e^2 comes against the end of the sleeve e and crowds it toward the muzzle of the arm, thus withdrawing the spring e' from the magazine and allowing the cartridge to escape from the open
60 end thereof.

In order to lock the magazine in place when it is revolved so as to bring its head c into the groove c' , as described in my said former application, I provide a latch c^2 , which is piv-
65 oted in the head end of the magazine, as shown in Fig. 2, upon a pivot c^3 , passing through a slot c^4 in the latch, and the latch is held outward by a spiral spring c^5 . I next provide in the magazine-case C at the muzzle
70 end of the arm an L-shaped slot m , so constructed that when the magazine is first inserted into the case the latch c^2 will enter this slot in the position shown in Figs. 3, 4, and 5, and be crowded inward upon the spiral
75 spring c^5 ; but when the magazine is turned to the position shown in Figs. 6 and 7 the shoulder c^6 upon the latch c^2 will be pressed by the spiral spring c^5 outward into the hori-
80 zontal part of the L-shaped slot m , as shown in the last-named figures, and will thus prevent the magazine from being revolved backward so as to release its head c from the slot
85 in the barrel c' by any accident.

When it is desired to remove the magazine
90 from its case, by simply pressing inward with the thumb upon the projecting part of the latch c^2 until the shoulder c^6 is withdrawn from the L-shaped slot the magazine may be
95 revolved backward until its head is released from the slot c' , when it can be withdrawn from its case.

It will be observed that the spring-stop e' and the latch c^2 automatically operate in con-
100 junction and by the same movements of the magazine in inserting it into its case, and when the magazine is locked in place at the muzzle end of the arm, as described, the spring-stop e' is thereby prevented from en-

tering the bore of the magazine by any accident. It will also be observed that the same movements which automatically lock the magazine in place by the latch c^2 unlock the 5 bolt d from the notch d' automatically.

What I claim as new and of my invention is—

1. The combination of the removable magazine D, the sleeve e , having stop e' attached 10 thereto, and the shoulder e^2 , located in the magazine-case C in the path of sleeve e when the magazine is introduced into the case, and adapted to be brought into contact with and move the sleeve and stop when the magazine 15 is inserted in its case, substantially as described.

2. The combination of the removable magazine D, provided with the latch c^2 , attached 20 thereto, and the head c , projecting laterally therefrom, with the magazine-case provided with the slot m , and the barrel of the arm, provided with the slot c' , said slots m and c' being respectively located and adapted to engage with said latch and head of the maga- 25 zine, substantially as described.

3. The combination of the magazine-case C, provided with the slot m and stop d^2 , projecting inwardly, the removable magazine D, fitting within the case and provided with the slot d^4 and stop-notch d' , the spring d^3 and 30 the sliding bolt d within the magazine, provided with a head adapted to engage with notch d' to lock the same and with stop d^2 to unlock the same, and the latch c^2 , adapted to lock said magazine and its case together, substantially as described. 35

4. The combination of the magazine-case C, provided with the shoulder e^2 and slot m , with the removable magazine D, provided with the sliding sleeve e , adapted to engage with said 40 shoulder and the stop e' , and the latch c^2 , adapted to lock said magazine and case together by engaging slot m , substantially as described.

JOHN M. MARLIN.

Witnesses:

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