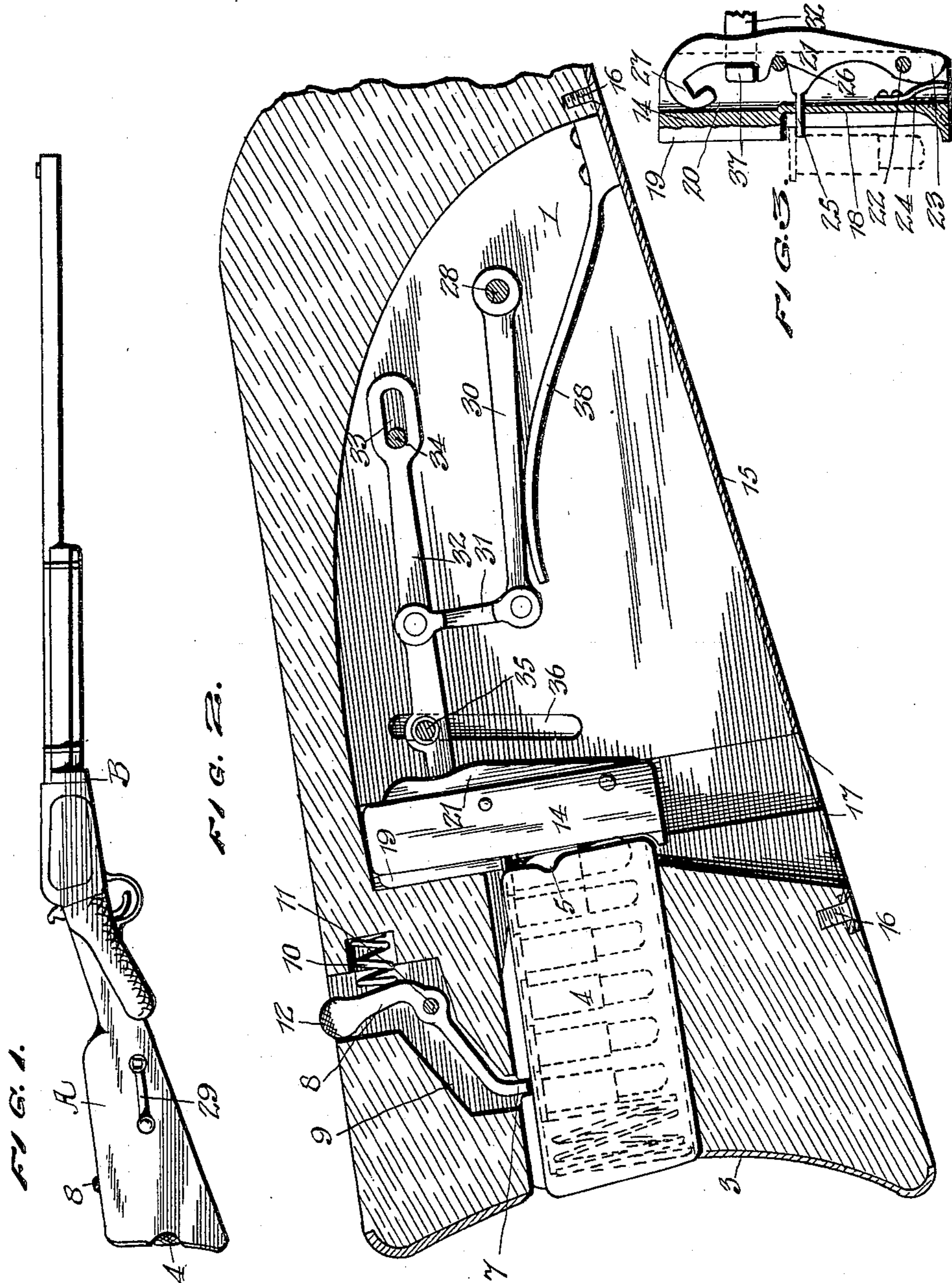


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W. J. RODGERS.
STOCK MAGAZINE FOR SINGLE SHOT RIFLES.
APPLICATION FILED APR. 30, 1908.

Patented Apr. 27, 1909.
2 SHEETS—SHEET 1.



WITNESSES:
Chas R. Davies

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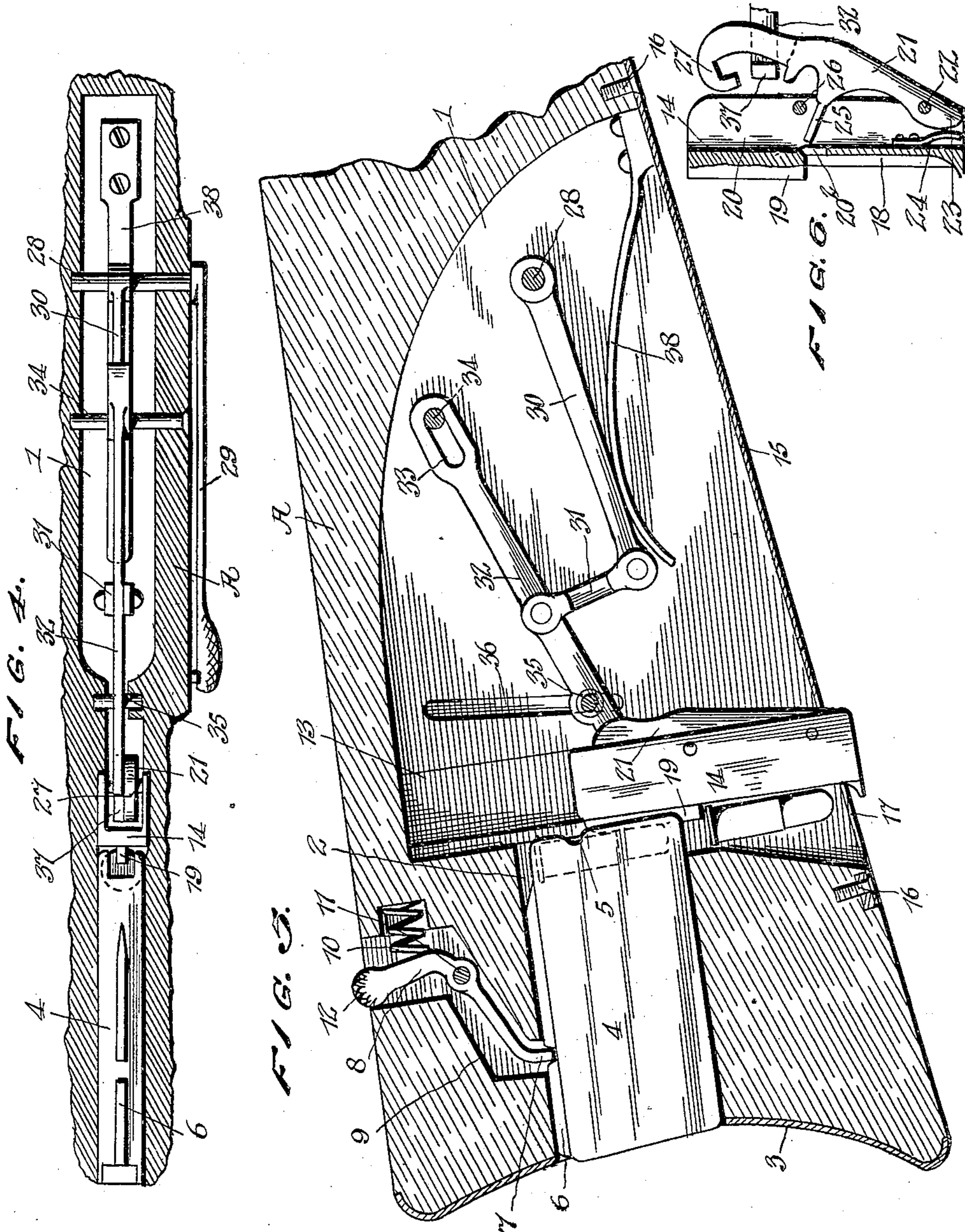
INVENTOR
W. J. Rodgers,
BY *C. L. Parker*
Attorney

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UNITED STATES PATENT OFFICE.

WILLIAM J. RODGERS, OF ALVA, WYOMING.

STOCK-MAGAZINE FOR SINGLE-SHOT RIFLES.

No. 919,641.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed April 30, 1908. Serial No. 430,174.

To all whom it may concern:

Be it known that I, WILLIAM J. RODGERS, citizen of the United States, residing at Alva, in the county of Crook and State of Wyoming, have invented certain new and useful Improvements in Stock-Magazines for Single-Shot Rifles, of which the following is a specification.

My invention relates to stock magazines for single shot rifles, and particularly contemplates the provision of such a mechanism which will enable the rifleman to easily and quickly obtain a new shell without reaching in his pocket or cartridge belt for the same.

The object of my invention is to provide a mechanism which will be positive and unfailing in its action and which will assist in balancing the fire-arm.

Further objects and advantages will appear in the course of the following description, in which reference is made to the accompanying drawings, forming a part of this specification, in which like numerals are used to designate like parts throughout the several figures, and in which,

Figure 1 is a side elevation of a single shot rifle, provided with my improved stock magazine. Fig. 2, is a vertical longitudinal sectional view through the stock thereof, and on an enlarged scale. Fig. 3 is a sectional view through the reciprocating cartridge block. Fig. 4 is a horizontal longitudinal sectional view through the stock shown in Fig. 2. Fig. 5 is a similar view to Fig. 2 and illustrating the reciprocating cartridge block at its opposite limit of movement, and Fig. 6 is a similar view to Fig. 3 and illustrating the ejecting lever in its rearward position.

In the practical embodiment of my invention, I provide a stock A of a single shot rifle B, with an enlarged chamber 1 cut therein, parallel with the flat sides thereof, and with a reduced communicating chamber 2 extending from and through the butt plate 3, at the end thereof to said chamber 1. Within the communicating chamber 2, I arrange the ordinary form of metal cartridge clip 4, comprising a casing having a spring-pushed plate therein for feeding the cartridges toward the delivery end 5, and further provided upon its upper edge with a longitudinal shoulder 6, having a cut out portion with which is adapted to engage the lower angular nose 7 of an intermedial piv-

oted locking lever 8, when said cartridge clip is locked in position within the chamber 2 with its delivery end 5 projecting slightly within the chamber 1. The locking lever 8 is mounted within an annular channel 9 in the stock 1, communicating with the chamber 2, and provided with a coil spring 10 mounted therein to rock the said lever upon its pivot 11 to force its nose 7 downwardly, said lever being further provided with a knurled upper end 12 projecting slightly above the surface of the stock, and by which the same may be reversely rocked upon said pivot to withdraw its nose 7 from engagement with the recessed shoulder of the cartridge clip 4 preparatory to removing the same for refilling.

Mounted within the chamber 1 to reciprocate therein within a cut out channel 13, in the wall thereof, is a cartridge block 14 having its path of movement parallel with the delivery end 5 of the cartridge clip 4, and at substantially right angles to the bore 2 for a distance above and below said clip 4. The chamber 1 is partially closed by a plate 15 spanning the same and screwed to the stock by screws 16, said plate being cut away at 17, adjacent the end of the delivery movement of the cartridge block 14, to provide for the delivery of the cartridge there-through.

The cartridge block 14 is provided in its lower portion facing the cartridge clip 4, with a cut out portion 18, for the reception of a cartridge withdrawn from the clip 4 by the lower end of the central projecting rib 19, extending from said block above said cut out portion. Upon its opposite face the block 14 is provided with a longitudinal channel 20 and with an opening 20² extending therethrough from said channel 20 and communicating with the upper end of the cut out portion 18. Pivotaly mounted within the longitudinal channel 20 is an ejecting lever 21 having its pivot pin 22 extending transversely of said channel at the lower end thereof, and provided with a rounded nose 23 below said pivot engaged by a leaf-spring 24 within said channel to force said lever inwardly therein. The said lever 21 is provided with a pin 25 adapted to project through the opening 21 and within the cut out portion 18 when the said lever 21 is entirely within the channel 20, the inward movement of said lever being limited by a transverse pin 26 extending transversely of

the said channel 20. The upper free end of the ejecting lever 21 is provided with a curved hooked nose 27, for a purpose to be hereinafter described.

5 Mounted transversely through the forward portion of the chamber 1, and journaled through the material of the stock A with one end extending outwardly thereof, is a rock shaft 28, constituting the operating shaft of
10 the cartridge extracting mechanism and provided on its end projecting outwardly of the stock A with a swinging operating lever 29 fixedly secured thereto. The rock shaft 28 carries a swinging lever 30 connected there-
15 to within the chamber 1, said lever 30 being loosely pivotally connected by a link 31, with a longitudinally movable arm 32, having a slotted end 33, mounted about a transverse pin 34 secured through the walls of the
20 stock A transversely of the chamber 1, and above the rock shaft 28. The arm 32 is provided with a laterally extending pin 35 adjacent its forward end, working in slots 36 in the walls of the stock A adjacent to, and
25 inclined at an angle from the guide channel 13 of the cartridge block 14, and diverging upwardly therefrom. The forward end of the arm 32 adjacent its guide pin 35 is provided with an angular nose 37 adapted to
30 engage within and under the hooked nose 27 of the ejecting lever 21. A leaf-spring 38 attached to the plate 15 of the chamber 1 adjacent the forward end of said chamber, and bearing upwardly against the swinging
35 lever 30 operates to maintain the cartridge block 14 and its actuating mechanism as just described, in the upper position within the chamber 1, above the horizontal level of the cartridge clip 4, as shown in Fig. 2.

40 In the practical operation of my invention, it being assumed that the cartridge clip 4 has been inserted within the bore 2 and locked in position by the member 8, the operating lever 29 is pressed downwardly, the
45 rib 19 of the cartridge block engaging the flanged base of the cartridge as clearly shown in Fig. 4, and removing the same from the clip, and on the continued downward movement the ejecting pin of the lever
50 21 will protrude through the opening 20² to force the cartridge out of the cut out portion 18 and away from the block 14 thus allowing the said cartridge to drop freely through the opening 17 and into the opera-

tor's hand. When the operating lever 29 is released, the spring 38 will carry the cartridge block 14 and its actuating mechanism back to its normal position, in which movement the ejecting lever 21 will be drawn outwardly for a slight distance from the chan-
60 nel 20 of the cartridge block 14, to slightly withdraw the ejecting pin 25, owing to the fact that the inclined slots 36 will cause slight longitudinal movement of the arm 32.

While I have herein shown and described
65 my invention as mounted and operating within communicating openings in the stock proper of a rifle, it will be readily understood that I may mount the same to operate within a metal casing to be attached to, and
70 form part of the rifle stock.

Having described my invention, I claim:

1. A cartridge holding and delivering mechanism for single shot rifles, the combination of a rifle stock provided with a cham-
75 ber having a discharge opening through the wall thereof, a magazine cartridge holder mounted in said stock and communicating with said chamber, a cartridge feeder movable within said chamber to withdraw and
80 convey cartridges from said holder, and an ejecting lever mounted in connection with said feeder to discharge the cartridge therefrom and through said discharge opening, substantially as described. 85

2. In a cartridge holding and delivering mechanism for single shot rifles, the combination of a rifle stock provided with a chamber having a discharge opening through
90 the wall thereof, a magazine cartridge holder removably mounted within said stock, and communicating with said chamber, a cartridge feeder movable within said chamber, to withdraw and convey cartridges
95 from said holder, an ejecting lever mounted in connection with said feeder to discharge the cartridge therefrom and through said discharge opening, and means for employing said feeder, adapted to actuate said ejecting
100 lever when the same approaches said discharge opening, substantially as described.

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

WILLIAM J. RODGERS.

Witnesses:

TROED A. PEARSON,
HERBERT GAGE.