

898,988.

J. W. PRICE.
FIREARM.
APPLICATION FILED NOV. 9, 1907.

Patented Sept. 15, 1908.

2 SHEETS—SHEET 1.

FIG. 1—

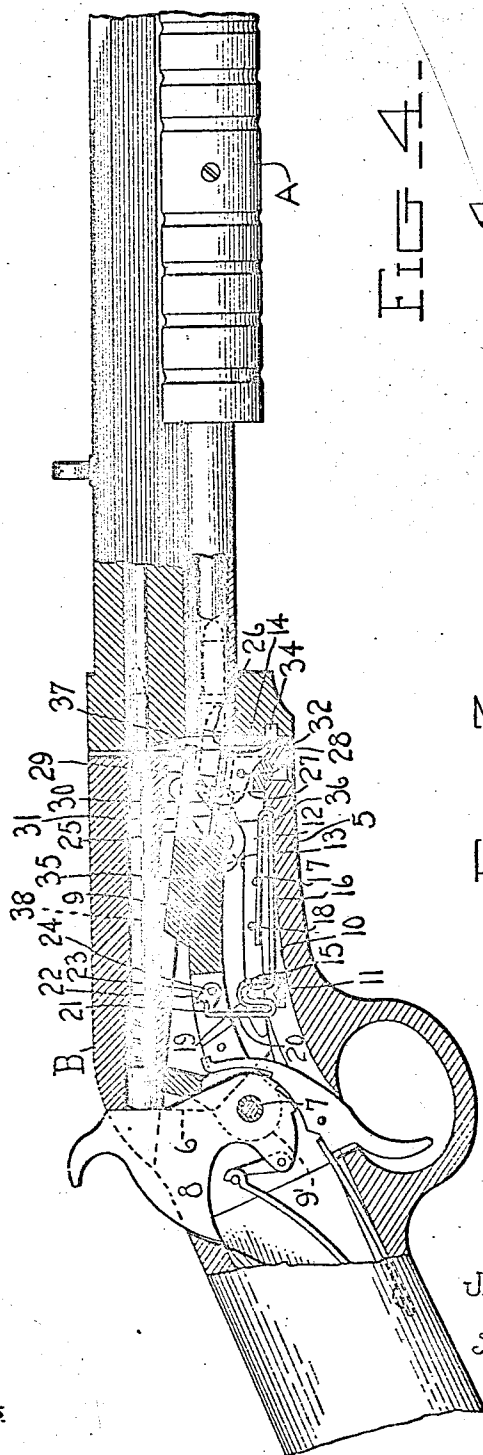


FIG. 4—

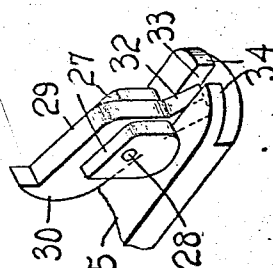
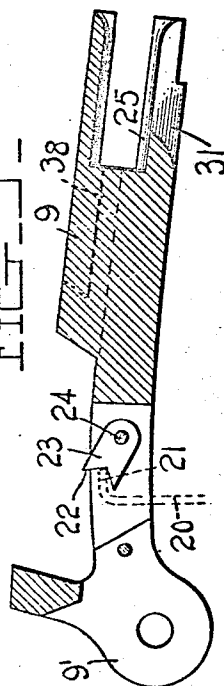


FIG. 5—



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2 SHEETS-SHEE

FIG. 2 -

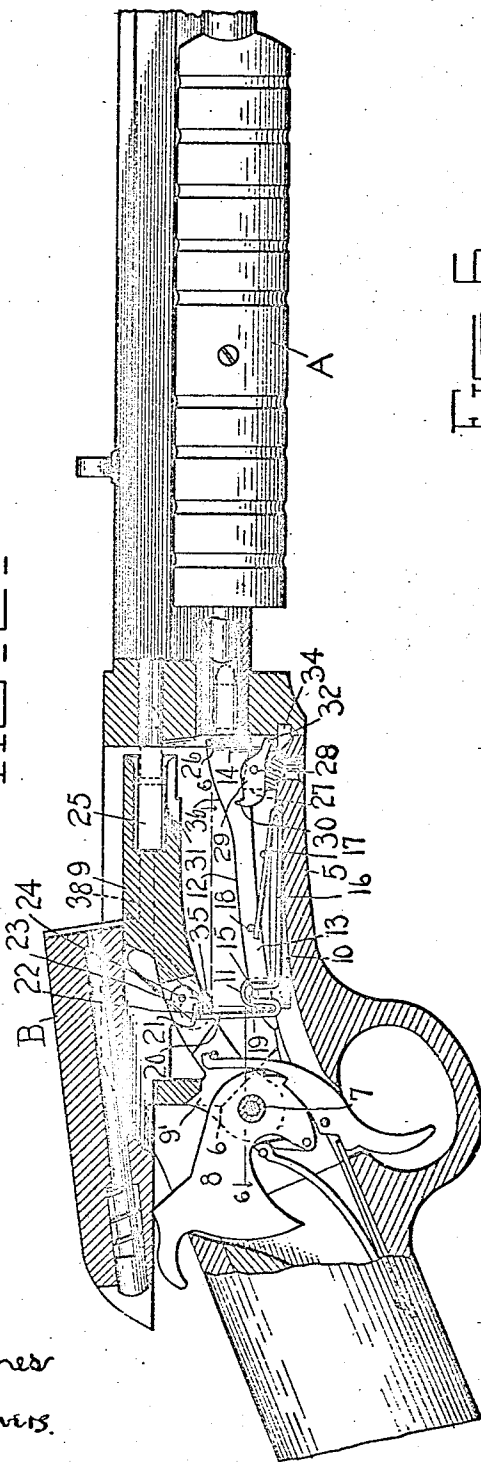


FIG. 6 -

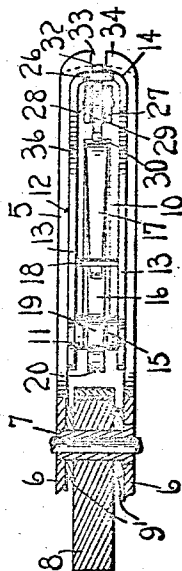
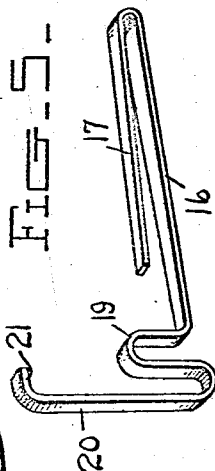


FIG. 5 -



2011123002

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UNITED STATES PATENT OFFICE.

JAMES W. PRICE, OF KONAWA, OKLAHOMA.

FIREARM.

No. 898,988.

Specification of Letters Patent.

Patented Sept. 15, 1908.

Application filed November 9, 1907. Serial No. 401,486.

To all whom it may concern:

Be it known that I, JAMES W. PRICE, a citizen of the United States, residing at Konawa, Oklahoma, have invented certain new and useful Improvements in Firearms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in magazine firearms and more particularly it has relation to an improved cartridge stop arranged at the end of the magazine and within the receiver of the gun and having for its purpose to allow of only one cartridge at a time being fed into the cartridge carrier, the latter being of any approved form, but as shown in the drawings, as being for the most part of the well known type employed in the Winchester models. The cartridge stop is also designed to permit of the use of cartridges of varying sizes instead of the one size for which guns may be especially constructed as in the models ordinarily used.

The invention aims as a primary object to provide a cartridge stop embodying novel characteristic features of construction and having a novel assemblage with relation to the cartridge carrier.

The invention aims as a further object to provide a spring designed to act on the cartridge stop and on the carrier which shall be of novel construction and assemblage.

The details of construction will appear in the course of the following description in which reference is had to the accompanying drawings, forming a part of this specification, like characters of reference designating similar parts throughout the several views, wherein:—

Figure 1 is a side elevation partly in longitudinal section of a gun constructed in accordance with the present invention, showing the parts in positions which they assume after the gun has been fired. Fig. 2 is a similar view showing the parts in the positions which they assume prior to the firing of the gun. Fig. 3 is a detailed longitudinal sectional view through the cartridge carrier. Fig. 4 is a detailed perspective view of the cartridge detent showing the manner of mounting the same. Fig. 5 is a detailed per-

spective view of the spring above referred to. Fig. 6 is a detailed sectional view on the line 6—6 of Fig. 2 showing the manner of mounting the cartridge carrier and the cartridge stop.

In the accompanying drawings, the numeral 5 designates the receiver block constructed at its rear end with spaced ears 6 through which a sleeve 7 is passed, the latter constituting the pivot for the hammer 8 and likewise for the rear end of the cartridge carrier 9, the said rear end being in the form of extended ears 9' surrounding said sleeve and between which the ratchet part of the hammer works. The receiver block 5 has its base formed with a longitudinal recess 10 at the rear end of which spaced ears 11 are provided. The cartridge stop is designated by the numeral 12 and is of U-shape in cross section including parallel side pieces 13 and a connecting cross piece 14 which constitutes the stop proper. The side pieces 13 are pivoted to the ears 11 by a transverse pin 15. Within the channel 10 is the major portion of a flat spring 16 which is bent at its front end to lie upon itself as at 17, the portion 17 constituting a resilient leaf and bearing against a transverse pin 18 fixed at its ends to the side pieces 13. The spring 16 at its rear end is bent into inverted U-shape as at 19, the U-shaped portion 19 being disposed between the ears 11 and embracing the pin 15. Rearwardly of the portion 19, the spring 16 has an upward extension 20, terminating in an angular end 21 for engagement in a notch 22 provided in a balance member 23 which is pivoted between the front portion of the ears 9' by means of a pin 24.

The cartridge carrier 9 at its front end is provided with a seat 25 in which the cartridge to be fed into the barrel is received from the magazine. The cartridge stop 12 has its cross piece 14 formed in its upper edge with a curved recess 26 which is designed to register with the seat 25. At the front end of the base of the receiver 5, a pair of spaced apertured ears 27 are provided which are disposed within the confines of the stop 12 and between which is pivoted by means of a pin 28, a cartridge detent 29 having a portion 30 designed to work through a slot 31 formed in the lower side of the cartridge carrier 9 and having a portion 32 designed to work

through the space 33 between two lugs 34 provided at the front end of the base of the receiver 5.

In operation, when the hand grip A is moved rearwardly, it raises and moves rearwardly the breech block B to eject the previously emptied shell. The connections between the hand grip and the breech block may be of any approved form. Said breech block is formed at its front end at one side thereof with the usual extension 35, which, in the present case, in addition to its usual function, is designed to depress and release the stop 12 and to this end engages the inclined front edge 36 of the adjacent side piece 13 as a cam. The seat 25 is made of sufficient depth to accommodate short, long and extra-long cartridges and the detent 29 is located so that its portion 30 projects into the forward part of said seat so that a cartridge may not wholly enter the receiver prior to the operation of the gun.

In use, the spring pressed follower in the magazine will always force a cartridge into the seat 25, until the part 30 is engaged as a detent. When the breech block B is moved rearwardly, its extension 35 disengages the adjacent side piece 13, allowing the stop 12 to be raised by its controlling spring until its recess 26 partially surrounds the shell of the cartridge. When the stop 12 is raised, the bar 14 of course disengages the portion 32 of the detent 29, so that the follower in the magazine forces the cartridge wholly into the seat 25. As the cartridge is thus moved, the stop 12 is raised further by the spring to a position where its part 14 is in front of the magazine. Without the stop 12, if short or long cartridges were used, more than one at a time could be fed into the seat 25, but by means of this stop acting in the manner aforesaid, only one cartridge at a time, irrespective of its size, can possibly be fed into the carrier 9. The rest of the operation is continued in the usual manner. When the breech block 13 is returned to its seat, the part 35 engaging the cammed edge 36, depresses the stop 12, away from the mouth of the magazine and when the stop 12 is thus depressed, it engages the part 32 and rocks the detent 29 on its pivot so as to bring the part 30 into the seat 25 as above set forth. The parts are thus ready for another operation of the gun. The spring 16 has its angular end portion 21 engaged in the notch 22 of the member 23, the latter being pivoted to compensate for the pivotal movement of the carrier 9 and serving to steady said carrier in its lowered and raised positions. At the forward end of the breech block B is an angular projection 37 so that when the said breech block is moved forward said projection enters and passes along a slot 38 shown in dotted lines in Fig. 3 at one side of the cartridge carrier 9 to engage a cartridge shell in the seat 25 to force it in position in

the barrel of the firearm. Upon the rearward movement of said breech block B the projection 37 withdraws or ejects the emptied cartridge shell from the barrel of said firearm.

What is claimed is:

1. In a firearm, the combination with magazine, a breech block, a receiver and pivoted cartridge carrier mounted with said receiver and raised and lowered by a connection with said block, said cartridge carrier having an elongated cartridge seat, opening into its front end, and being formed at its front end along its under side with a slot, of pivoted cartridge stop, a spring for raising said stop on its pivot, said block having an extension for engagement with said stop to depress the same against the force of said spring, said stop having a part designed to partially overlie the end of said magazine when said stop is raised and a detent pivoted at the front end of said receiver and having two projecting portions, one of which projects through said slot into said seat when the other is depressed, said stop being designed to engage and depress the other projecting portion of said detent.

2. In a firearm having a magazine, a movable breech block, a pivotal cartridge receiver and carrier arranged and lowered by the said block, a pivotal detent arranged in the path of movement of the said carrier and adapted to limit the movement of a cartridge entering the same when in a lowered position, and a movable cartridge stop operable by the block to regulate the feed of the cartridge to the carrier from said magazine.

3. In a firearm, a breech block, a movable cartridge receiver and carrier having a socket for receiving cartridges of varying lengths, a tension cartridge stop actuated by the said block, and a detent operated upon by said stop to limit the movement of a cartridge when entering the said socket.

4. In a firearm, the combination with magazine, of a slidable breech block having a cam surface, a pivotal cartridge receiver and carrier operative by the block, a spring controlled cartridge stop held normally in the path of movement of the cartridges from the magazine and operated upon by the cam surface during the movement of the breech block, and a detent controlled by the movement of the cartridge stop to limit the entrance of a cartridge from the magazine.

5. A firearm, a firing chamber, a breech block movable into and out of position to close the firing chamber, a magazine, a cartridge receiver and carrier disposed to receive cartridges from the magazine and to carry them into position for movement to the firing chamber, means for operating the receiver and carrier, a detent disposed to limit the movement of a cartridge from the magazine into the receiver and carrier, a cartridge

constructed and arranged for movement into position between the cartridge in the receiver and carrier and the succeeding cartridge upon final movement of the cartridge into the receiver and carrier, said stop and detent being so arranged that the stop will hold the detent operative when the stop is out of operative position and will release the

detent upon initial movement of the stop to its operative position.

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

JAMES W. PRICE.

Witnesses:

E. M. HARRIS,

H. E. FULLER.