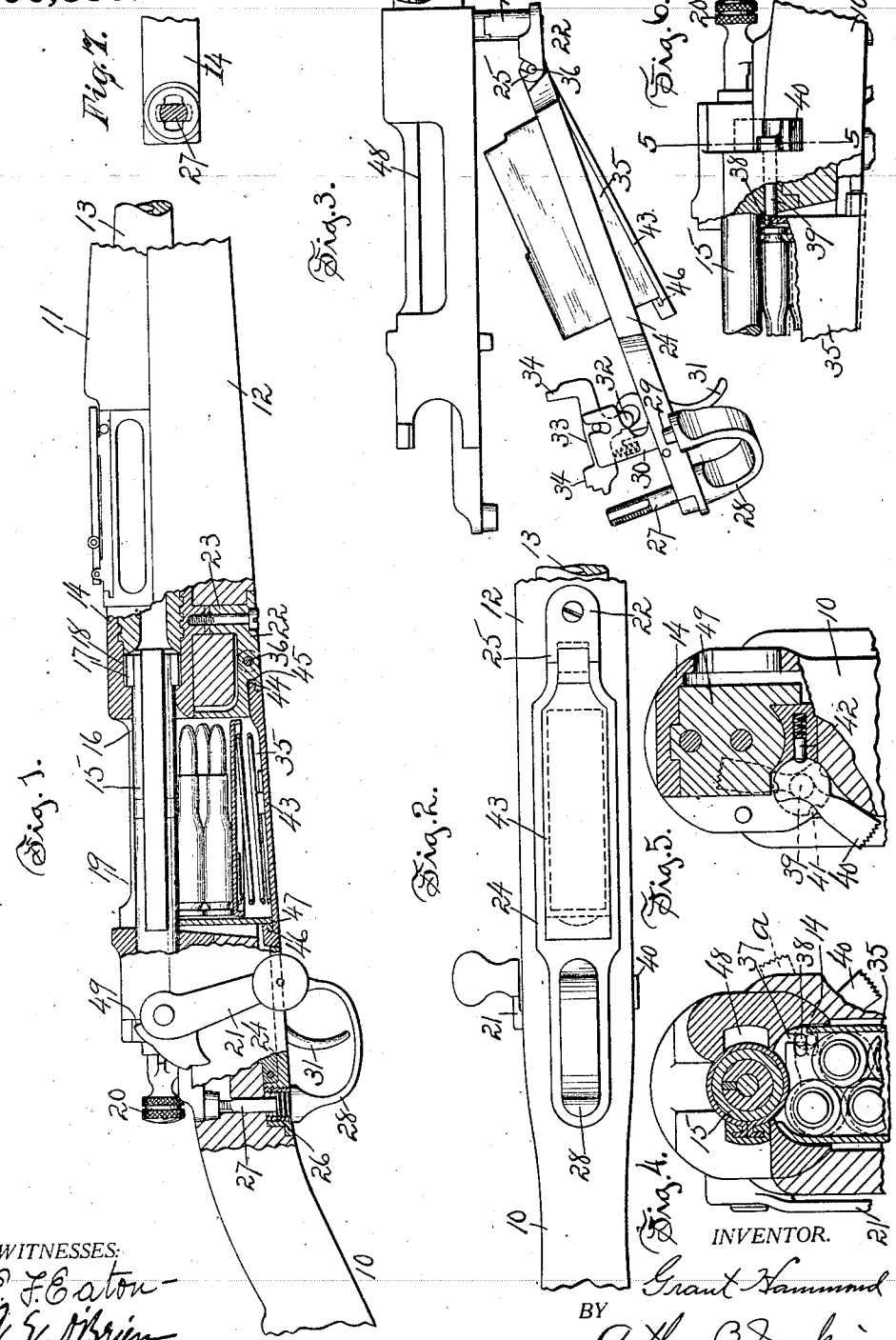
G. HAMMOND.

MAGAZINE FOR FIREARMS.

APPLICATION FILED JULY 21, 1915.

1,290,833.

Patented Jan. 7, 1919.



WITNESSES:

E. F. Eaton.

W. V. O'Brien

INVENTOR.

Grant Hammond

BY

Arthur B. Jenkins.

ATTORNEY.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GRANT HAMMOND, OF HARTFORD, CONNECTICUT, ASSIGNOR TO DALTON ARMS CORPORATION, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

MAGAZINE FOR FIREARMS.

1,290,833. Specification of Letters Patent. Patented Jan. 7, 1919.

Original application filed April 20, 1915, Serial No. 22,590. Divided and this application filed July 21, 1915. Serial No. 41,110.

To all whom it may concern:

Be it known that I, GRANT HAMMOND, a citizen of the United States, and a resident of Hartford, in the county of Hartford and State of Connecticut, have invented a new and Improved Magazine for Firearms, of which the following is a specification.

My invention relates to devices for containing the cartridges in a firearm, prior to their being moved into the barrel, and an object of my invention, among others, is to provide a magazine that shall be particularly effective in operation and one that may be readily operated for purposes required.

One construction of magazine embodying my invention and in making and use of which the objects herein set out, as well as others, may be attained, is illustrated in the accompanying drawings, in which—

Figure 1 is a view in side elevation of a portion of a firearm embodying my invention with parts broken away to show the construction of the magazine.

Fig. 2 is a bottom view of a portion of the firearm shown in Fig. 1.

Fig. 3 is a detail view illustrating the construction and operation of the magazine supporting members.

Fig. 4 is a detail view, scale enlarged, in cross section through the device at about the longitudinal center of the magazine.

Fig. 5 is a similar view on plane denoted by dotted line 5—5 of Fig. 6.

Fig. 6 is a detail view showing the construction and operation of the magazine shifting rod.

Fig. 7 is a detail view, scale enlarged, illustrating the construction and operation of the retaining post in its socket in the receiver.

My invention is not necessarily confined to any special type of firearm but as it readily adapts itself for use in connection with that class that are supported on the person and commonly against the shoulder when fired I have chosen such type for the purpose of illustrating my invention herein, this application being a division of my co-pending application filed April 20, 1915, of Serial Number 22,590.

In the accompanying drawings the numeral 10 indicates the stock of a firearm that includes the forestock comprising a top piece 11 and a bottom piece 12, preferably composed of wood and shaped and formed to receive the metallic parts in a manner well known. A barrel 13 is secured to the frame or receiver 14 in any suitable manner. A breech-bolt 15 is rotatably mounted in a breech-bolt chamber 16 in the frame or receiver in any suitable manner and is provided with locking and releasing lugs 17 arranged to pass along lengthwise grooves 48 formed in the receiver and into an annular locking groove 18 to lock the breech-bolt in its closed position, in which it closes a discharge opening 19 at the top of the receiver. A firing bolt having a firing bolt head 20 is located in the breech-bolt, and an actuating lever handle 21 is employed for operating the breech-bolt. All of the parts hereinbefore described, except in their general relation, constitute no part of the present invention, but being embodied in the invention of the application hereinbefore set forth and of which this is a division, further description is omitted herein.

A trigger guard plate support 22 is attached to a post 23 secured to the receiver in any suitable manner, and a trigger guard plate 24 is pivotally mounted between ears 25 formed on said support. A trigger guard sleeve 26 fits a screw threaded opening in the rear end of the trigger guard plate, and is provided on its inner end with slots as a means of adjusting its position. A trigger guard post 27, rigidly secured to one branch of the trigger guard 28, has a thread at its base to fit the threaded inner wall of said sleeve and the opposite end of the post is flattened and its edges are threaded to fit a partially threaded hole in the rear end of the frame or receiver 14. The opposite end or branch of the trigger guard has a stud 29 to fit a hole in the trigger guard plate, the guard being sufficiently resilient to enable it to be sprung so that the stud may enter the hole in the plate and be held therein by the spring action of the guard, the sleeve 26 being adjustable for the purpose of regulating this spring action. By springing the guard and disengaging the stud from the hole, and turning the guard to an angle of about ninety degrees from its regular position, the threads on the end of the post 27 may be disengaged from the threads in the hole in the receiver, and the trigger guard plate is thus unlocked and may be swung downwardly,

and a reverse movement of the parts just above described will lock the trigger guard plate in its closed position.

A trigger supporting frame 30 is mounted on the plate 24, projecting from the inner face thereof, and a trigger 31 is pivotally mounted between the side parts of this frame, said trigger having a notch in its upper end to receive a lug 32 projecting from a sear 33 that is also pivotally mounted between the side parts of said frame. This sear has projections 34 to operate in connection with the breech-bolt, as described in my co-pending application hereinbefore referred to and of which application this is a division.

A magazine 35 is pivotally mounted upon a pin 36 that pivotally secures the trigger guard plate 24 to the support 22. The upper part of an end wall of this magazine has an angularly shaped slot 37 to receive an eccentrically mounted projection 38 on the end of a magazine shifting rod 39 rotatably mounted in the frame and having a magazine shifting lever 40 secured at its outer end. Notches 41 in the shifting lever 40 receive the rounded end of a spring pressed shifting lever holder 42, located in a recess in the frame and seated upon a spring that resiliently holds the pin in engagement with the notches in the lever but which will yield under sufficient force to permit manual movement of the lever. When this lever is in the position shown in Fig. 4 the magazine is fully seated within its chamber so that at each forward movement of the breech-bolt its front end will engage a cartridge and push it into the chamber within the barrel. When the lever is turned to the position shown by dotted lines a in Fig. 4 the magazine will be lowered to such position (shown by dotted lines in Fig. 4) that a forward movement of the breech-bolt will not push a cartridge into the magazine, but the loading will then be done by hand, and when the lever is in the position shown in dotted line in Fig. 5 the magazine will be released so that it may be swung downwardly on its pivot. This may be done when the breech-bolt has been removed from the frame.

The bottom 43 of the magazine is made of spring material having a lip 44 projecting into a recess 45 in the trigger guard plate 24. A groove 46 in the opposite thickened edge of this bottom is positioned to receive a flange 47 from the rear end of the magazine. The lip 44 fits somewhat loosely in the recess 45 so that the bottom may be placed with the lip in this recess and then sprung into position and moved endwise to engage the flange 47 within the groove 46, to hold the magazine bottom in place.

The breech-bolt 15 is secured in a firing bolt sleeve 49 by means of threads as shown in my co-pending application herein referred to. I contemplate as within the spirit and intent of the invention various changes from the construction herein specifically illustrated and described.

I claim—

1. A firearm including a frame, a magazine pivotally secured at one end to the frame and having an angularly shaped slot, a magazine locking member rotatably mounted in the frame, a projection eccentrically mounted on the end of said member to be located in said angularly shaped slot, and means for rotating said member to engage it with or disengage it from the slot.

2. A firearm including a frame, a trigger guard plate pivotally mounted in the frame and having an opening therethrough, a magazine pivotally mounted to swing through said opening, a magazine locking member rotatably mounted in the frame to place the magazine in different positions and to release it, and means for securing one end of the magazine to said plate.

3. A firearm including a frame, a breech-bolt movably mounted in the frame, a magazine shiftably mounted in the frame, and means to hold the magazine in position for feed of cartridges therefrom into the barrel by the breech-bolt, to shift the magazine into position to avoid such feed of the cartridges of the breech-bolt and to release the magazine for removal from the frame.

4. A firearm including a frame, a breech-bolt movably mounted in the frame, a magazine shiftably mounted in the frame, means to hold the magazine in position for feed of cartridges therefrom into the barrel by the breech-bolt, to shift the magazine into position to avoid such feed of the cartridges by the breech-bolt and to release the magazine for removal from the frame, and means for retaining said magazine holding means in each of the magazine holding positions.

5. A firearm including a frame, a breech-bolt movably mounted in the frame, a magazine shiftably mounted in the frame, means to hold the magazine in position for feed of cartridges therefrom into the barrel by the breech-bolt and to shift the magazine into position to avoid such feed of the cartridges by the breech-bolt, and means for retaining the magazine holding means in each of said positions.

6. A firearm including a frame, a breech-bolt movably mounted in the frame, a magazine shiftably mounted in the frame and having a slot, a magazine shifting rod rotatably mounted in the frame and having an eccentric projection to engage said slot to retain the magazine in position for feed of cartridges therefrom into the barrel by the breech-bolt and to move it from said position to avoid such feed, and means for operating the rod.

7. A firearm including a frame, a breech-bolt removably mounted in the frame, a magazine shiftably mounted in the frame and having a slot, a magazine shifting rod rotatably mounted in the frame and having an eccentric projection to engage said slot to retain the magazine in position for feed of cartridges therefrom into the barrel by the breech-bolt and remove it from said position to avoid such feed, means for operating said rod, and means for retaining said rod in each of such positions.

8. A firearm including a frame, a breech-bolt movably mounted in the frame, a magazine shiftably mounted in the frame and having an angularly shaped slot opening out of the edge thereof, a magazine shifting rod rotatably mounted in the frame and having an eccentric projection to engage said slot to hold the magazine in position for feed of cartridges therefrom into the barrel by the breech-bolt and to avoid such feed, and to release the magazine for removal from the frame, and means for operating said rod.

9. A firearm including a frame, a breech-bolt movably mounted in the frame, a magazine shiftably mounted in the frame and having an angularly shaped slot opening out of the edge thereof, a magazine shifting rod rotatably mounted in the frame and having an eccentric projection to engage said slot to hold the magazine in position for feed of cartridges therefrom into the barrel by the breech-bolt, and to avoid such feed, and to release the magazine for removal from the frame, means for operating said rod, and means for retaining said rod in position to hold the magazine for feed of cartridges and in position to avoid such feed.

10. A firearm including a frame, a magazine movably mounted in the frame, a member arranged to engage said magazine to retain it in place, means upon said member to hold it in position for movement to a certain extent but to release it in an excessive movement, and means to prevent such excessive movement when the parts are assembled.

11. A magazine for a firearm including a body part having a lipped recess in one edge, a bottom of spring metal having a lip to engage in said recess, and means for yieldingly retaining the opposite end of the bottom in place.

12. A magazine for a firearm including a body part having a recess in one edge and a lip at the opposite edge, and a bottom having spring qualities with a lip at one edge to engage with said recess and a recess at the opposite edge to engage with said lip to removably hold the bottom in place.

13. A firearm including a frame, a support for a trigger guard attached to the frame, said support having a slot opening out at the edge of said support, a trigger guard pivotally attached to said support by a pin located in said slot, means for securing the opposite end of the trigger guard plate, and a magazine removably located in an opening in said trigger guard plate.

14. A firearm including a frame, a support for a trigger guard attached to the frame, said support having a slot opening out at the edge thereof, a trigger guard pivotally attached to said support by a pin located in said slot, means for securing the opposite end of the trigger guard plate, a magazine pivotally mounted upon the pin to swing through an opening in the trigger guard plate, and means for securing the opposite end of said magazine.

GRANT HAMMOND.

Witnesses:
ARTHUR B. JENKINS,
E. F. EATON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."