June 23, 1931. C. T. NEAL 1,811,093

CARTRIDGE CLIP

Filed March 21, 1930 2 Sheets-Sheet 1

Fig. 1.

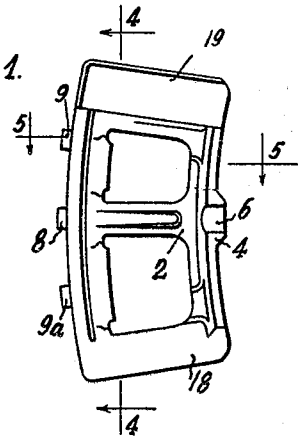


Fig. 2.

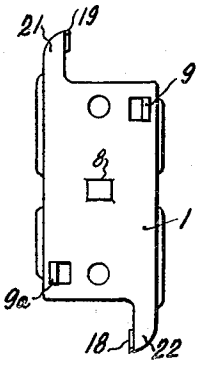


Fig. 4.

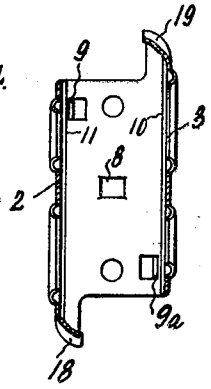


Fig. 3.

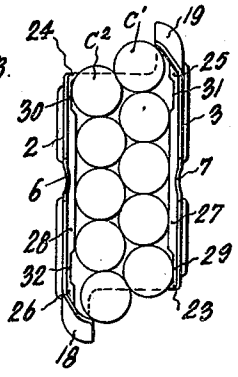
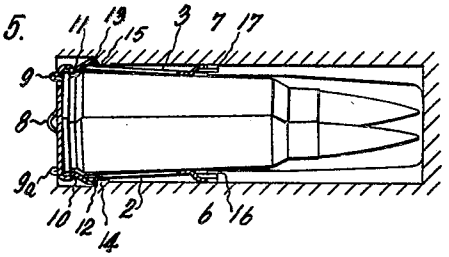


Fig. 5.



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Fig. 6.

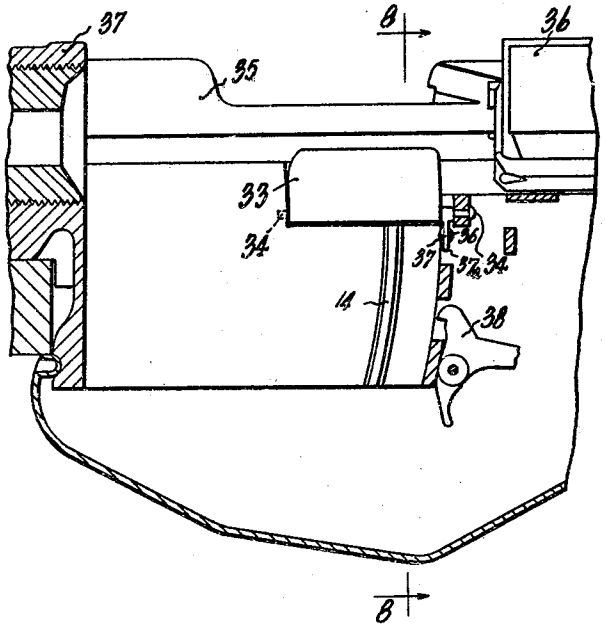


Fig. 7.

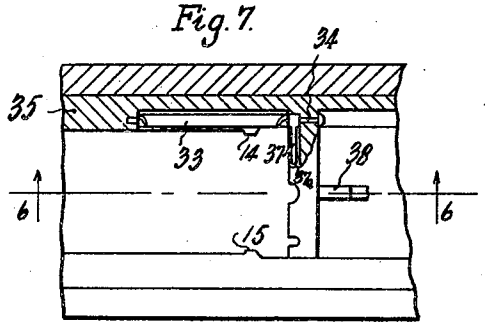


Fig. 8.

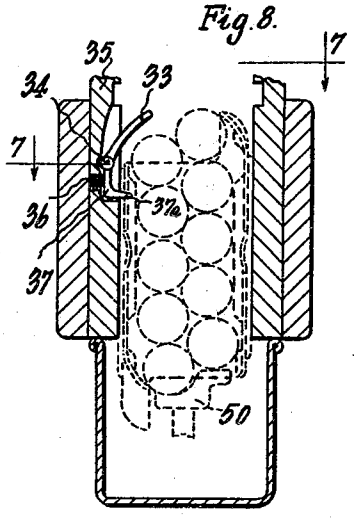


Fig. 9.

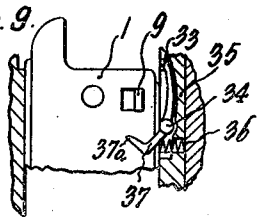
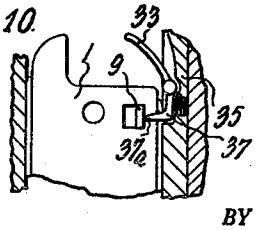


Fig. 10.



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Patented June 23, 1931 1,811,093

UNITED STATES PATENT OFFICE

CHESTER T. NEAL, OF SPRINGFIELD, MASSACHUSETTS

CARTRIDGE CLIP

Application filed March 21, 1930. Serial No. 437,704.

This invention relates to an enbloc cartridge clip adapted to hold a double row of cartridges in staggered relation and to be inserted therewith into the magazine chamber of a rifle. An illustration of a type of rifle with which this clip may be used is shown in the patent to John D. Pedersen, No. 1,734,974, dated December 3, 1929. With certain slight modifications in the receiver of said rifle, as hereinafter indicated, the present improved clip may be used as an alternative for the clip shown in said patent.

One object of the present invention is to provide a cheap, expendible double row clip of light weight. The usual enbloc clip for holding a double row of cartridges comprises stack embracing sides with upper and lower inturned ear portions for each side which function to hold the full stack as a compact unit when outside the gun; and when said clip is in the gun, said two opposed ear portions at the top of the clip alternately serve as guides for each of the two rows of cartridges during the feeding and loading thereof. It is to be noted, however, that when the clip with its full stack is outside of the gun, the staggered relation of the two rows of cartridges requires for the confinement of the stack in the clip only one ear at the top of the clip at one side and another ear at the bottom of the clip at the other side. In former clips the other ear at the top of the clip performs no function except when the clip is in the gun, where it performs the service above mentioned of guiding the cartridges of its adjacent row during the feeding and loading of said cartridges. Therefore, one features of my invention consists in removing from the usual enbloc double row clip one of the ears from the top of said clip and providing for the function of this missing ear by mounting a complemental ear portion in the receiver of the gun which is so arranged that it (the receiver ear) will come into position with respect to the clip at proper times for the feeding and guiding of the cartridges, and at other times will stand out of the way for the free charging and discharging of the clip into and out of the magazine chamber of the gun. This feature of the invention may be used in either a reversible double row clip or in a non-reversible double row clip in order to make such clips of lighter weight than those heretofore used.

A further object of the invention is to provide a reversible clip of practical and fool-proof character, whereby it may be charged with its stack of cartridges either end up into the magazine chamber of the gun, and more particularly wherein the cartridges may be stacked therein in only one relation and thus insure a proper coaction between the bottom of the stack and the stepped follower of the gun. This may be suitably termed the one-way stacking feature of the clip.

This further object of making the clip both reversible and fool-proof for stacking is accomplished by making the top of the clip exactly like the bottom of the clip and wherein both at the top and the bottom only one ear is provided, one side having an ear only at the top, the other side of the clip having an ear only at the bottom. By this construction of clip, the cartridges may be stacked therein in only one relation, that is with the higher row at one side in engagement with the upper ear of the clip and the lower row at the other side in engagement with the lower ear of the clip, thus insuring that when the clip and its stack is inserted in the chamber of the gun, with either end up, the bottom of the stack will be in proper relation for fitting the usual stepped feeding follower of the gun.

Other and further advantages of the invention will become apparent from the following description taken in connection with the accompanying drawings which show the

present preferred embodiment of the invention and in which:

Fig. 1 is a side view of the clip;

Fig. 2 is a rear view thereof;

Fig. 3 is a front view thereof having indicated by circles the position of a full stack of cartridges therein;

Fig. 4 is a vertical section of a clip along line 4—4 of Fig. 1;

Fig. 5 is a transverse section of the clip along line 5—5 of Fig. 1 and also showing the position of the clip with its cartridges within a magazine chamber;

Fig. 6 is a partial longitudinal section taken along line 6—6 of Fig. 7 through the receiver of a gun of the type shown in said Pedersen patent to show the receiver ear mounted in the side wall of the magazine chamber;

Fig. 7 is a top view of the gun receiver partially in section along line 7—7 of Fig. 8 to show the mounting of the receiver ear therein;

Fig. 8 is a transverse section through the receiver along line 8—8 of Fig. 6; and

Figs. 9 and 10 are fragmentary detailed views looking at the rear of the clip as it passes into the magazine chamber and showing how the receiver ear is positioned by said clip.

It will be understood that in the following description of the clip, the terms "top" and "bottom", etc. are used merely for convenience in designating the position of parts and have no limiting significance since either end of the clip may be considered the top or bottom.

The clip of the present invention is preferably constructed with three sides only, forming a box-like receptable open at the top, bottom and front ends. It may, however, be constructed with an additional front end wall if desired.

As shown, the clip comprises a back 1 formed integrally with two forwardly extended sides 2 and 3 cut out at portions thereof for lightness. The clip is made preferably of spring metal and the sides 2 and 3 are designed to exert a compressing action upon both sides of the stack for firmly holding the cartridges within the clip when carried apart from the gun.

In the present embodiment, the clip is formed about an arcuate axis vertically, making the back of the clip curved as shown, and it will be understood that the rear wall of the gun receiver is correspondingly curved for the reception of the clip. The upper and lower portions of the clip are exactly alike so that it is reversible for insertion into the magazine chamber either end up. At the forward edge of each of the sides 2 and 3 of the clip are formed extended lips 4 and 5 with depression bumps 6 and 7 designed to coact with elements 16 and 17 in the receiver of the gun to spread apart or restrain the compressing action of the spring sides 2 and 3 on the stack of cartridges when the clip is in the magazine, all as described in said patent referred to. The back of the clip is provided with a centrally located latch shoulder 8 adapted for engagement by a clip latch for holding the clip in the magazine chamber of the gun in a manner well known. Also on the back of the clip near the upper right hand corner and near the lower left hand corner are symmetrically disposed projections 9 and 9*a* which are termed cams because of the function they perform in coaction with the receiver ear, as will be later described.

Each of the clip sides has formed therein, near its junction with the base, inwardly pressed shoulders 10, 11 which are adapted to engage in the base grooves of the cartridges. Just forward of each of the shoulders 10, 11, outwardly pressed shoulders 12, 13 are formed on the clip sides to engage with the stop abutments 14 and 15 provided in the side walls of the magazine chamber (see Fig. 5). The engagement of shoulders 13 and 15 and shoulders 12 and 14 serves to guide the clip properly for its insertion in the magazine and also as a stop against the forward throw of the clip in the magazine during firing.

The side 3 of the clip is extended at the top above the side 2 and this extended portion is inturned to form a cartridge retaining and guiding ear 19, which ear preferably extends the full length of said side 3 of the clip. Likewise the side 2 of the clip is extended at the bottom below the side 3 into an inwardly turned similar ear 18. For convenience, the top of the side 2 or the bottom of the side 3 is called an earless portion of the clip to signify that the ear which ordinarily would appear at this position is missing. The back 1 of the clip is preferably extended upwardly at 21 behind the ear 19 and downwardly at 22 behind the ear 18, as shown in Fig. 2.

Each of the clip sides 2 and 3 is provided near its forward edge with stop shoulders for the cartridges. For the side 2, the upper stop shoulder is located at the top end of said side adjacent the earless portion thereof, and is indicated at 24. Its lower stop shoulder is located adjacent the base of the ear portion 18 and is indicated at 26. Similarly, for the side 3 of the clip, the lower stop shoulder at the end thereof adjacent the earless portion is indicated at 23, and the upper shoulder adjacent the base of the ear portion 19 is indicated at 25 (see Fig. 3).

The manner of stacking the cartridges within the clip for being held thereby in closely compacted enbloc relation is shown in Fig. 3, wherein the upper row of cartridges is located on the right between the

ear portion 19 and the lower stop shoulder 23, and the lower row of cartridges at the left is held between the lower ear portion 18 and upper stop shoulder 24. As shown in this figure, the front edge of each clip side 2 and 3 is formed respectively with an inwardly depressed guiding rib 28 and 27 and said ribs 27 and 28 are formed with shallow recesses 29, 30, 31 and 32 adjacent each of the stop shoulders 23, 24, 25 and 26.

When the cartridges are held within the clip (see Fig. 3) the top cartridge c^1 is thrust slightly to the left by the pressure of the ear portion 19 to force the top cartridge c^2 of the lower row slightly to the left of its column and partway into the recess 30 so that it lies partially behind the stop shoulder 24. A similar action takes place at the bottom of the clip, whereby the full stack of cartridges is rigidly and securely confined and held within the clip. When the clip is in the gun and the cartridges are being fed upwardly by the follower for loading, said cartridges will each readily pass by its respective upper stop shoulder after the topmost cartridge is loaded by the bolt. It will also be observed from Fig. 3 that the cartridges cannot be stacked in the clip in any other way than as shown either when the clip is full of cartridges or only partially full, because of the absence of any retaining ears at the earless portions of the clip. The ear portions 18 and 19 of the clip thus determine the positions for the top and bottom cartridges of the stack and insure the one way stacking feature.

When the clip with its cartridges is in the magazine chamber of the gun, a stepped follower 50 mounted on the gun engages the bottom of the stack for feeding it upwardly as the topmost cartridge is alternately picked off by the bolt from each row in loading. During this upward feed of the stack in loading, the ear portions of the clip serve as the stop and guide for the topmost cartridge during the loading thereof by the bolt, and consequently the earless portions of the present clip should be supplied with means to perform this function when the clip is in the gun. Accordingly I have mounted a complemental ear portion in the receiver of the gun, which is preferably movable in and out of the magazine chamber so as to register with the earless portion of the clip and function for the missing ear of the clip.

Referring more particularly to Figs. 6 to 10, as therein shown the receiver ear is indicated at 33 and is pivotally mounted in the receiver wall 35 of the gun by a pivot 34. This ear portion 33 should be shaped similarly to the ear portions 18 and 19 of the clip so that when in position the clip will function the same as if formed with a full complement of ears at its upper end. 36 indicates the bolt for the gun adapted to reciprocate back and forth in the receiver and over the magazine chamber. As described in said patent referred to, the bolt 36 is adapted to alternately load the cartridges from each row of the stack into the barrel 37 of the gun.

The rear end of the receiver ear 33 has integral therewith a depending angular lever arm 37 which lies in a recess of the receiver wall 35 just to the rear of the back of the clip when the latter is in the magazine chamber. Its toe end 37*a* extends partly across the back of a clip when in the magazine chamber. A spring 36 bearing against arm 37 normally tends to hold the receiver ear 33 back in a recess of the receiver wall and out of the magazine chamber, as shown in Fig. 9. When a clip is inserted into the magazine chamber, its upper projection or cam 9 engages the toe end of lever 37 and forces it outwardly to the position shown in Fig. 10 and thereby locates the receiver ear 33 over the earless portion of the clip for its proper functioning in the feeding and loading of cartridges.

In guns of this character, the clip is normally held within the magazine chamber by a latch such as 38 engaging the shoulder 8 on the back of the clip previously mentioned. The latch 38 is held in its clip retaining position by a spring (not here shown) and is withdrawn from this position either manually or automatically upon the exhaustion of cartridges from the clip. Also clip discharging means are provided for throwing the clip upwardly out of the magazine chamber when the latch 38 is released. These latter mechanisms, while not here shown, are fully described in the patent referred to and a statement of their function will help to an understanding of the operation of the receiver ear 33.

Thus when the magazine chamber is empty, the receiver ear stands out of the way for the free insertion of the clip into the top of said chamber. As long as the clip is held in the magazine by its latch 38, the receiver ear is rigidly held in its functioning position over the earless portion of the clip by reason of the engagement of the lever 37 and cam projection 9. This rigid holding of the receiver ear in position at such times is of importance for resisting and stopping the upward travel of the cartridge stack under the force of its follower 50, which of course lifts the stack quickly after each loading by the bolt. As soon as the clip starts to leave the magazine chamber upon release of its latch 38, the toe end 37*a* of the lever 37 immediately drops off the cam 9 on the clip and the receiver ear snaps back into its recess, leaving the magazine chamber clear for the discharge of the clip. In this way the movement of the clip itself

in and out of the magazine chamber serves to properly position the receiver ear either into its functioning position or into its non-functioning position. The presence of the clip in the magazine also serves to rigidly hold the receiver ear in its functioning position.

In a copending application filed by me March 12, 1930, I have described and claimed the present form of reversible clip both individually and in combination with a different form of receiver ear operating mechanism. Therefore for the present, the claims of this case are directed to the combination of my new clip with its modified form of receiver ear operating mechanism as herein shown.

What I claim is:

1. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber, and means rendered operative by the movement of a clip in said magazine chamber for positioning said receiver ear.

2. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber, means rendered operative by the insertion of a clip into said magazine chamber for moving said receiver ear into its functioning position, and means rendered operative by the discharge of a clip from said magazine chamber for retracting said receiver ear out of said magazine chamber.

3. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber, means rendered operative by the insertion of a clip into said magazine chamber for moving said receiver ear into its functioning position, and a spring normally tending to retract said receiver ear out of said magazine chamber.

4. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber, and means rendered operative by the insertion of said clip into said magazine chamber for actuating said receiver ear into its functioning position, said means serving to hold the receiver ear in its functioning position while the clip remains in said magazine chamber.

5. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber, means rendered operative by the insertion of said clip into said magazine chamber for actuating said receiver ear into its functioning position, said means serving to hold the receiver ear in its functioning position while the clip remains in said magazine chamber, and a spring nor-

mally tending to retract said receiver ear out of said magazine chamber.

6. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, and a receiver ear pivotally mounted in said gun for movement in and out of its functioning position in said magazine chamber, a lever on said receiver ear and a cam on said clip adapted to engage said lever and to move the receiver ear into its functioning position when the clip is inserted in said magazine chamber.

7. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, and a receiver ear pivotally mounted in said gun for movement in and out of its functioning position in said magazine chamber, a lever on said receiver ear and a cam on said clip adapted to engage said lever and to move the receiver ear into its functioning position when the clip is inserted in said magazine chamber, and a spring normally tending to retract said receiver ear out of said magazine chamber.

8. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, and a receiver ear pivotally mounted in said gun for movement in and out of its functioning position in said magazine chamber, a lever on said receiver ear extending adjacent the rear wall of said magazine chamber, and a cam on the back of said clip adapted to engage said lever and to move the receiver ear into its functioning position when the clip is inserted in said magazine chamber.

9. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides, one side of said clip having an extended inturned ear portion at the top, the other side of said clip having at the top an oppositely located earless portion, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber and means rendered operative by the movement of a clip in said magazine chamber for positioning said receiver ear.

10. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides, one side of said clip having an extended inturned ear portion at the top, the other side of said clip having at the top an oppositely located earless portion, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber, means rendered operative by the insertion of a clip into said magazine chamber for moving said receiver ear into its functioning position, and means rendered operative by the discharge of a clip from said magazine chamber for retracting said receiver ear out of said magazine chamber.

11. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides, one side of said clip having an extended inturned ear portion at the top, the other side of said clip having at the top an oppositely located earless portion, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber, means rendered operative by the insertion of a clip into said magazine chamber for moving said receiver ear into its functioning position, and a spring normally tending to retract said receiver ear out of said magazine chamber.

12. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides, one side of said clip having an extended inturned ear portion at the top, the other side of said clip having at the top an oppositely located earless portion, a receiver ear mounted in said gun for movement in and out of its functioning position

in said magazine chamber, and means rendered operative by the insertion of said clip into said magazine chamber for actuating said receiver ear into its functioning position, said means serving to hold the receiver ear in its functioning position while the clip remains in said magazine chamber.

13. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides, one side of said clip having an extended inturned ear portion at the top, the other side of said clip having at the top an oppositely located earless portion, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber, means rendered operative by the insertion of said clip into said magazine chamber for actuating said receiver ear into its functioning position, said means serving to hold the receiver ear in its functioning position while the clip remains in said magazine chamber, and a spring normally tending to retract said receiver ear out of said magazine chamber.

14. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides, one side of said clip having an extended inturned ear portion at the top, the other side of said clip having at the top an oppositely located earless portion, and a receiver ear pivotally mounted in said gun for movement in and out of its functioning position in said magazine chamber, a lever on said receiver ear and a cam on said clip adapted to engage said lever and to move the receiver ear into its functioning position when the clip is inserted in said magazine chamber.

15. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides, one side of said clip having an extended inturned ear portion at the top, the other side of said clip having at the top an oppositely located earless portion, and a receiver ear pivotally mounted in said gun for movement in and out of its functioning position in said magazine chamber, a lever on said receiver ear and a cam on said clip adapted to engage said lever and to move the receiver ear into its functioning position when the clip is inserted in said magazine chamber, and a spring normally tending to retract said receiver ear out of said magazine chamber.

16. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double row staggered relation and adapted for insertion with said cartridges into said magazine chamber, said clip having a back and stack embracing sides, one side of said clip having an extended inturned ear portion at the top, the other side of said clip having at the top an oppositely located earless portion, a receiver ear mounted in said gun for movement in and out of its functioning position in said magazine chamber with respect to the earless portion of said clip, and a cam on said clip acting when said clip is in the magazine chamber to position said receiver ear in its functioning position.

17. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack.

18. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip comprising a back and two spring pressed sides for embracing said stack and similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack.

19. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double-row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, the back of said clip being extended upwardly behind said upper ear portion and downwardly behind said lower ear portion.

20. The combination with a gun having a magazine chamber, of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said

clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, each side of said clip being formed with symmetrically disposed stop shoulders for said cartridges, one shoulder being located adjacent the base of the ear portion and another shoulder being located adjacent the end of the earless portion of each respective side.

21. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, and a complemental ear portion mounted in said gun adapted to register with the earless portion at the top of said clip when the latter is inserted in said magazine chamber.

22. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, a stepped follower mounted on said gun for engaging the bottom of said stack, and a complemental ear portion mounted in said gun adapted to register with the earless portion at the top of said clip when the latter is inserted in said magazine.

23. The combination with a gun having a magazine chamber of a clip adapted to hold a stack of cartridges in double row staggered relation, said clip having a back and stack embracing sides similarly constructed at the top and bottom so that said clip is reversible for insertion with said stack into said chamber, one side of said clip having an extended inturned ear portion only at the top, the other side of said clip having an extended inturned ear portion only at the bottom, whereby said oppositely extended ear portions determine the positions for the top and bottom cartridges of a stack, and a complemental ear portion movably mounted in said gun for movement in and out of said magazine chamber and adapted to register with the earless portion at the top of said clip when the latter is inserted in said magazine chamber.

In testimony whereof I have affixed my signature.

CHESTER T. NEAL.