(No Model.)

L. P. DISS.

MAGAZINE GUN.

No. 356,277. Patented Jan. 18, 1887.

Fig. 1.

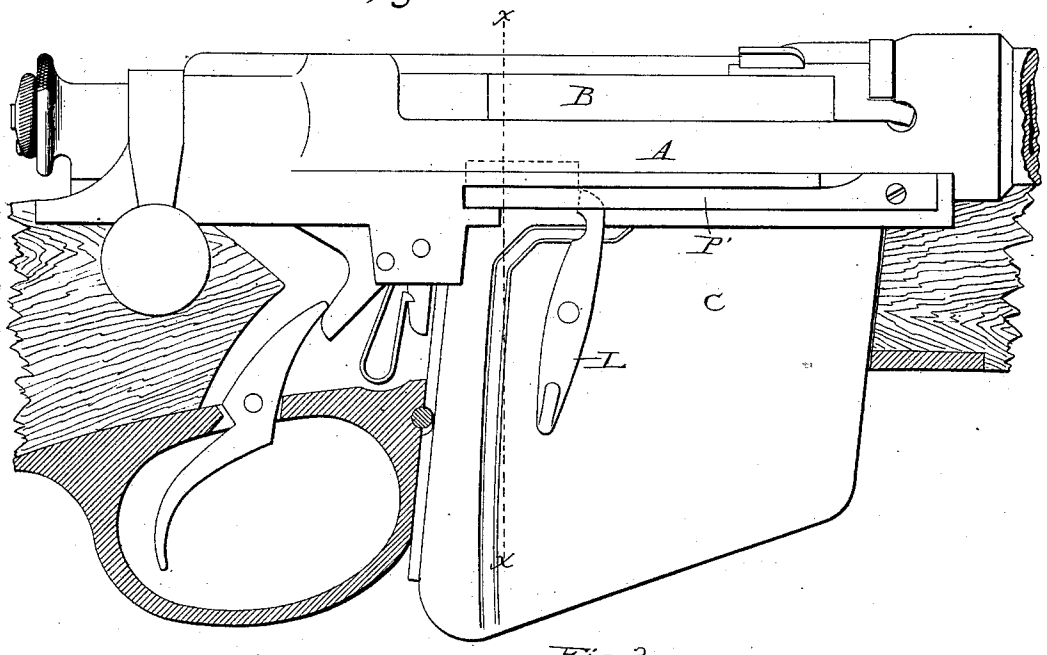


Fig. 2.

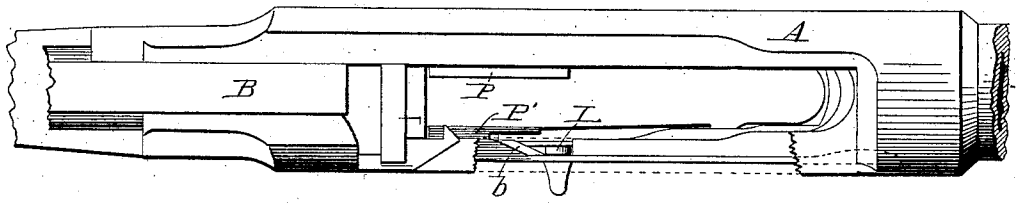


Fig. 3.

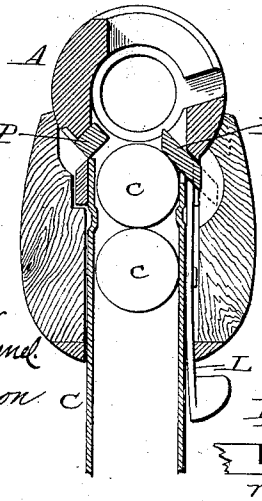


Fig. 4.

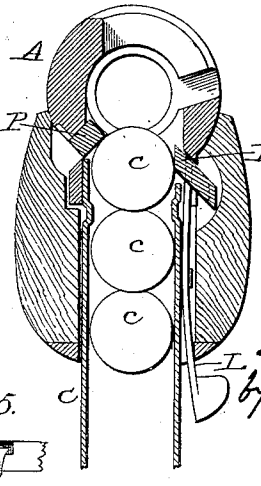
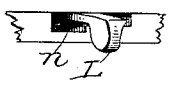


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

LOUIS P. DISS, OF ILION, NEW YORK, ASSIGNOR TO ALBERT N. RUSSELL AND ADDISON BRILL, AS RECEIVERS, OF SAME PLACE.

MAGAZINE-GUN.

SPECIFICATION forming part of Letters Patent No. 356,277, dated January 18, 1887.

Application filed July 31, 1886. Serial No. 209,647. (No model.)

To all whom it may concern:

Be it known that I, LOUIS P. DISS, of Ilion, in the county of Herkimer and State of New York, have invented certain new and useful Improvements in Magazine-Guns, of which the following is a specification.

This invention relates to magazine-guns; and the invention consists in certain devices applied so as to serve as a cut-off to the magazine, as hereinafter more fully set forth.

Figure 1 is a side elevation of the breech portion of a gun, partly in section. Fig. 2 is a top plan view of the same. Figs. 3 and 4 are transverse vertical sections on the line *x x* of Fig. 1, to illustrate the operation of the cut-off. Fig. 5 is a plan view of a portion, looking from below.

My present invention is designed as an improvement on that class or style of guns which have the magazine located underneath the receiver, and from which the cartridges are fed up through an opening in the bottom of the receiver in front of the breech-bolt, which then shoves them, one at a time, into the chamber of the barrel, it being specially adapted to the gun described in my application, Serial No. 208,818, filed July 22, 1886, to which reference is made for a more detailed description of the arm itself, so much only being herein described as relates to the present invention and its application to such a gun.

In the accompanying drawings, A indicates the receiver, B the breech-bolt, and C the magazine.

As described in my previous application, hereinbefore referred to, two spring-lips, P, were fitted into slots cut longitudinally in the sides of the receiver, just above the mouth of the magazine, the lips P in that case being located so that their upper edges were both in the same horizontal plane, the function of said lips being to hold the cartridges in such a position that the uppermost one would be in the path of the breech-bolt as it was shoved forward, and also to yield sufficiently to permit the cartridges to be shoved from a packing-case above down through the receiver into the magazine below. As that arm was constructed there was no means by which the cartridges could be retained in the magazine and the arm be used in the meantime as a single-loader; and it is the object of my present invention to provide means for that purpose. To accomplish this object, I provide the receiver with two spring-lips, P and P′, as shown more clearly in Figs. 3 and 4. Instead, however, of arranging both of these lips in the same horizontal plane, as before, I so locate them that when the gun is arranged to use cartridges from the magazine C the lip P′ is lower than the lip P, as shown in Fig. 4, the opposite lip, P, being arranged to hold the cartridge in proper position to be struck by the bolt, as is also shown in Fig. 4, in which it will be seen that the upper edge of the topmost cartridge intersects the annular space in which the breech-bolt moves to and fro in the receiver, the one lip P in the case thus serving the purpose of the two lips in the former case.

The lip P′, having its inner edge a little lower than that of lip P, will, when pressed inward by its spring-arm, hold the cartridge in a lower position, as represented in Fig. 3, thus holding it depressed out of the path of the breech-bolt. By this arrangement this lip P′ acts as a cut-off or stop to the magazine, the cartridges being retained therein ready for use in an emergency, and permitting the gun in the meantime to be used as a single-loader.

In order to press the lip P′ back or outward far enough to release the cartridges in the magazine, it is provided on its inner side with an incline, *b*, as shown in Fig. 2, on which the upper end of a lever, L, pivoted to the side of the magazine, operates when the lever is moved. By drawing back the lower end of lever L its upper end is thrown forward off of the incline *b*, as represented in Fig. 2, thereby leaving the lip P′ free to spring inward to the position shown in Fig. 3, when the lip operates as a cut-off and prevents the cartridges from rising high enough to be struck by the breech-bolt. By throwing the lower end of the lever L forward its upper end, acting on the incline *b*, forces the lip P′ outward to the position shown in Fig. 4, when the cartridges are free to rise until they come in contact with the lip P, in position to be hit by the breech-bolt and shoved forward into the chamber of the barrel. In order to hold the

lever in position, a notch, *n*, is cut in the guard-plate, as shown in Fig. 5, into which the lever springs when it is thrown forward, at which time its upper end rests against the incline *b* of the lip P′, thereby holding the lever against accidental displacement. As shown in Figs. 3 and 4, this lever L is made thin enough to permit it to be sprung sidewise to disengage it from the notch, and, as shown, it is slightly curved outward from the side of the magazine, to permit it to be thus operated and cause it to automatically spring into the notch when shoved forward.

It is obvious that a slide may be substituted for the pivoted lever and be made to operate on the lip P′ in the same manner, and the lever or slide may be attached to the arm itself, instead of to the magazine, as will be readily understood by those skilled in the art.

It will be readily seen that with this improvement the magazine can be loaded the same as the gun heretofore described—that is, by means of the packing-case or by putting the cartridges in singly by hand, as described in my previous application—the spring-lips in this case yielding to permit the cartridges to pass down through the receiver into the magazine below, the same as in the former case.

While I have shown the lever L as being pivoted to the magazine, it is obvious that it may be pivoted to the gun instead, or that it may be made in the form of a slide to move to and fro and operate on the incline, it being merely a matter of choice for the mechanic as to the form of the device to be used for that purpose.

The advantages of this improvement will be apparent to any one familiar with this class of fire-arms.

Having thus fully described my invention, what I claim is—

1. The combination, in a magazine-gun substantially such as described, of the spring-lip P′, provided with an incline, *b*, and the pivoted lever L, arranged to operate on said incline, the said lip being located at the side of the receiver A and just above the mouth of the magazine, substantially as and for the purpose set forth.

2. The combination, in a magazine-gun of the kind herein shown, of the spring-lip P, arranged to hold the cartridges as they rise from the magazine in position to be pushed forward by the breech-bolt, and the spring-lip P′, arranged to hold the cartridges at a lower level, so they cannot be shoved forward by the breech-bolt, and a lever, L, or similar device arranged to operate on the spring-lip P′ to force and hold it out of action when desired, whereby the gun can be changed at will from a magazine to a single-loader, or vice versa, as set forth.

LOUIS P. DISS.

Witnesses:
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