

(No Model.)

R. F. COOK.
MAGAZINE FOR FIRE ARMS.

No. 305,050.

Patented Sept. 16, 1884.

Fig. 2.

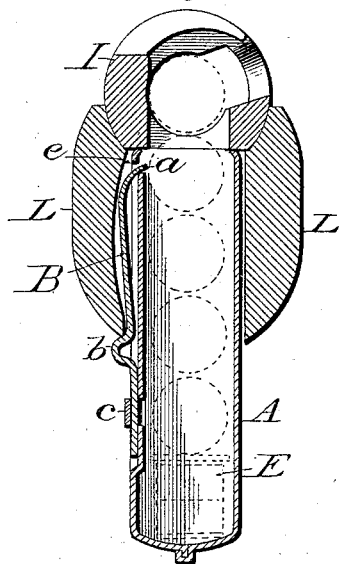


Fig. 1.

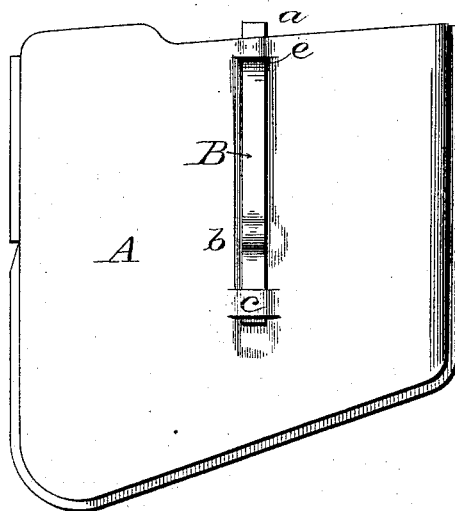


Fig. 3.

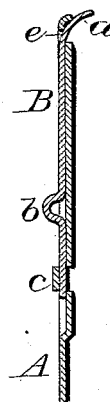


Fig. 4.

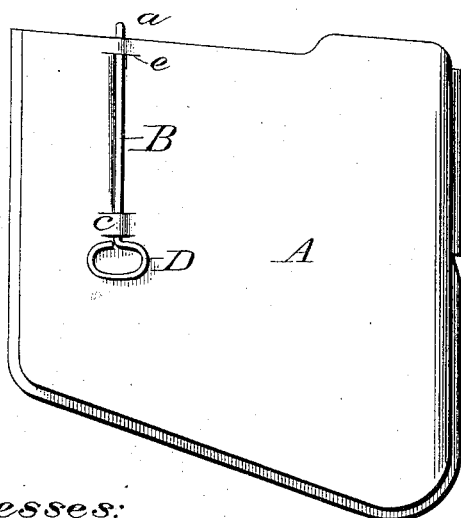
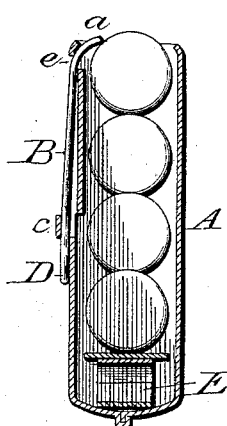


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

ROSWELL F. COOK, OF ILION, NEW YORK, ASSIGNOR TO E. REMINGTON & SONS, OF SAME PLACE.

MAGAZINE FOR FIRE-ARMS.

SPECIFICATION forming part of Letters Patent No. 305,050, dated September 16, 1884.

Application filed June 11, 1884. (No model.)

To all whom it may concern:

Be it known that I, ROSWELL F. COOK, of Ilion, in the county of Herkimer and State of New York, have invented certain Improvements in Magazines for Fire-Arms, of which the following is a specification.

My invention relates to magazines for fire-arms; and the invention consists of a spring slide or detent, combined with a magazine-box in such a manner as to retain or hold the cartridges in the box when the latter is detached from the gun and release them when the magazine is applied to the gun, as hereinafter more fully set forth.

Figure 1 is a side elevation of the magazine detached. Fig. 2 is a transverse vertical section of the same in position as applied to the gun. Fig. 3 is a vertical section of one side of the magazine, showing the detent in position to retain the cartridges; and Figs. 4 and 5 are side and sectional views of the magazine or box, with its detent made of wire.

This magazine is designed for use in connection with the gun patented by J. P. Lee, November 4, 1879, No. 221,328, in which the cartridges are fed from a magazine-box sidewise and upward through an opening in the bottom of the shoe of the gun, as indicated in Fig. 2; and the object of the invention is to provide the magazine with a detent or slide so constructed and applied that it will retain the cartridges in the box or magazine while the latter is disconnected from the gun, and will be made to automatically release the cartridges when the magazine is inserted in position for use, and thus permit the cartridges to be fed or forced from the magazine up into the gun.

To accomplish these results I construct the box or magazine A of the form shown, and of the proper size to contain the cartridges, which are arranged lengthwise therein, one upon another, as indicated, and as shown and described in the patent hereinbefore referred to. To one side of the box A, I connect a spring detent or retainer, B, as shown in Figs. 1, 2, 3, 4, and 5. This detent may be composed of a flat strip of steel or similar spring metal, as shown in Figs. 1, 2, and 3; or it may be made of a piece of spring-wire, as shown in Figs. 4 and 5. In either case its upper end is bent

inward to form a lip, *a*, as shown in Figs. 2, 3, and 5, and this bent end is inserted through a slit, *e*, cut in the side of the box near its upper edge, as shown, so that when the detent B is shoved upward, as indicated in Figs. 1, 3, and 5, its lip *a* will be projected inward over the uppermost cartridge, as shown in Fig. 5, thereby retaining or holding the cartridges in the box against the pressure of the spring E in the bottom of the box. The detent B has its lower portion passed through a loop, *c*, which is formed by cutting a couple of horizontal slits in the wall of the box and pressing the metal between the slits outward, as shown clearly in Figs. 1 and 2, the wall of the box being preferably indented, so as to form a vertical recess or groove for the detent B to rest and slide in, though this is not absolutely essential. The detent B is arranged to slide freely up and down to a limited extent, as shown in Figs. 2 and 3. When shoved up, as in Figs. 3 and 5, its lip or curved end *a* is projected inward over the cartridges, and prevents them from rising; but when moved down, as shown in Fig. 2, the curved end or lip is withdrawn, thereby releasing the cartridges. In order to operate the detent, so as to automatically release the cartridges as the box is placed in position, the detent is provided with a projection, *b*, as shown in Figs. 1, 2, and 3, which is so located that it will strike against the under side of the stock L of the gun as the box is shoved into place, as shown in Fig. 2, thereby shoving down the detent and withdrawing its lip *a*, as there shown. It is obvious that this projection *b* may be formed, as shown, by bending the metal, or that it may be a pin or stud secured to the detent B, so as to project therefrom. So, too, it is obvious that, instead of being arranged to strike against the lower edge of the stock or frame, it may be arranged to strike against a projection or shoulder suitably located within the opening in the stock or gun-frame at any desired point, the only requisite in that respect being that it shall come in contact with something that will hold it while the box A is shoved into its place, the relative position of the shoulder *b* and the projection against which it strikes being such as to cause the detent to slide far enough to with-

draw its lip or curved end *a* from over the cartridges, and thus release them.

In Figs. 4 and 5 I have shown the detent B made of spring-wire and without the shoulder

5 *b*. In this case the lower end of the detent is bent around, so as to form a loop or handle, D, by which it can be drawn down to release the cartridges by hand after the box has been shoved to its place; or, if desired, this loop D
10 can be arranged to strike against the under side of the stock, or by locating it higher on the side of the box it can be made to strike against a shoulder or projection located within the opening in the stock, and thus be made
15 to operate automatically, as may be preferred.

By this improvement the boxes can be filled with cartridges and carried in a suitable box or sack, ready for use whenever desired, and all that is necessary is to shove the box into
20 place in connection with the gun, when the cartridges will be automatically released and be ready for use in the gun.

Having thus described my improvement, what I claim is—

25 1. A cartridge box or magazine adapted to contain a series of cartridges resting one upon another, in combination with the sliding detent B, having its upper end curved inward to engage upon the cartridges and retain them
30 in the box when the detent is moved upward,

and to be retracted or withdrawn when the detent is moved in the opposite direction.

2. In combination with the box A, the sliding detent B, provided with an inwardly-projecting end or lip, *a*, for engaging with and
35 retaining the cartridges in the box, and a projection, *b*, or equivalent device, for operating the same, substantially as set forth.

3. In combination with the magazine or box A, the sliding detent B, having its upper end
40 curved inward to project over and hold the cartridges in the box, and provided with a projection, *b*, or equivalent device, located in relation to the gun stock or frame or a shoulder or projection therein in such position as to
45 be brought in contact therewith when the magazine or box is shoved into place in the gun, and thereby automatically release the cartridges from the hold of said detent, substantially as
50 set forth.

4. The sliding detent B, having its curved end inserted through a slot, *c*, in the side of the box, near its top, and held in position by the loop *c* on the side of the box below, substantially as shown and described.

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Witnesses:

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