

J. V. MEIGS.
Cartridge-Carriers and Extractors for Magazine Fire Arms.

No. 157,621.

Patented Dec. 8, 1874.

Fig. 1.

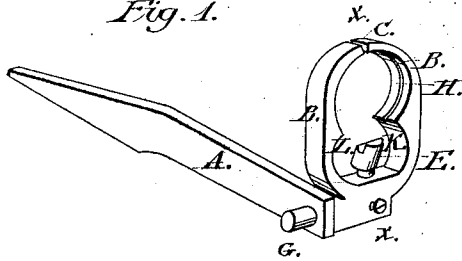


Fig. 3.

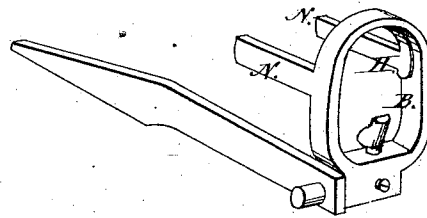


Fig. 2.

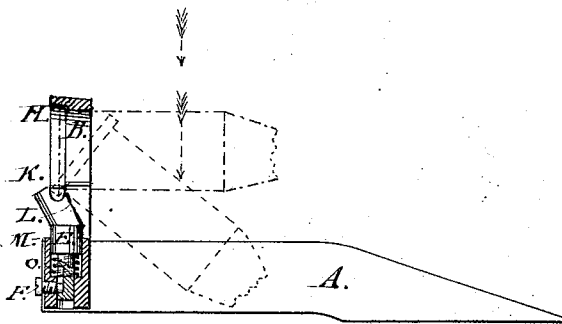


Fig. 4.

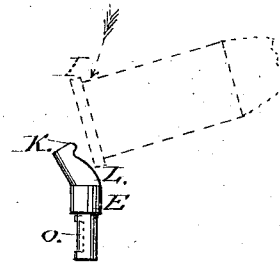
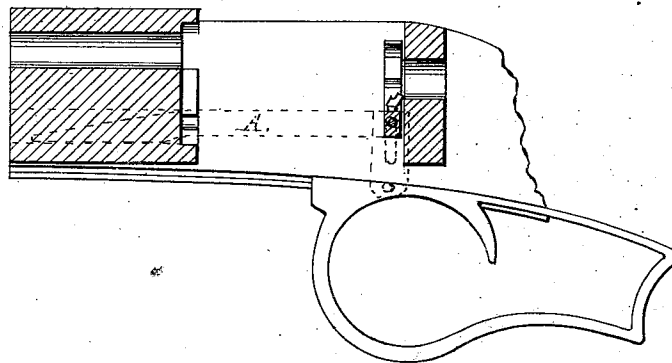


Fig. 5.



Witnesses:

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Inventor:

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by his Attorney
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UNITED STATES PATENT OFFICE.

JOE V. MEIGS, OF LOWELL, MASSACHUSETTS.

IMPROVEMENT IN CARTRIDGE CARRIERS AND EXTRACTORS FOR MAGAZINE FIRE-ARMS.

Specification forming part of Letters Patent No. **157,621**, dated December 8, 1874; application filed May 16, 1874.

To all whom it may concern:

Be it known that I, JOE V. MEIGS, of Lowell, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Cartridge Carriers, Inserters, and Extractors, of which the following is a specification:

My improvement relates to a carrier so constructed as to receive a cartridge projected from the magazine of a gun, carry it to the barrel, support it against an axial forward or backward thrust, serve both as an inserter and extractor, and admit of the cartridge being easily removed by a downward application of force.

The subject-matter claimed is hereinafter specified.

In the accompanying drawings, Figure 1 is a view in perspective; Fig. 2, a vertical section on the line *xx* of Fig. 1; Fig. 3, a view, in perspective, of a modification; and Fig. 4, a view, in detail, of the cartridge-hook shown in Fig. 3. Fig. 5 is a side elevation, partly in section, of a portion of a gun, with my improvements applied thereto.

A is a guide, which crosses the space between the magazine and gun-barrel, and reciprocates in a groove or way in the frame, (see Fig. 5,) by which means tilting or lateral movement is prevented. B B are the sides of the carrier, made to yield or spring slightly. The carrier is slit at C, to open when the cartridge or shell is being ejected. E is a dog or catch, which prevents the cartridge from going front or rearward when in the carrier, and which, by its downward motion, permits its passage into the carrier. F is a screw, which holds the dog in place. G is a pin attached to the guide A, for the purpose of guiding the movement of the extractor in a suitable slot in the frame of the gun to which it is applied. H is a shoulder in the extractor, against which the head of the cartridge rests, and prevents it being drawn forward through the carrier. K is the back hook on the dog E, which prevents the cartridge from being shoved backward axially through the carrier. L is a similar hook, which prevents a forward motion of

the shell or cartridge in the carrier. M is a spiral spring around the stem of the hook, catch, or dog E, and holds it up against the cartridge in the extractor.

Fig. 3 is exactly the same as Fig. 1, except that the carrier B is not split open at the top, and has arms N, which support the cartridge from falling out while being inserted or withdrawn; the dog E being different from the same piece in Fig. 1, inasmuch as it has no front hook L, as seen in Fig. 4, which shows the dog E of Fig. 3, which has no front hook at L. In this form of my extractor the shell is ejected by being pressed downward at or near the head by a suitable mechanism, such as may be required by the gun to which it is applied.

O is a slot in the dog, into which the screw F engages, preventing it from being forced out of its place.

It is obvious, from the above explanation of my carrier, that it may be applied to any gun in which a suitable mechanism may thrust a cartridge into it; and that it will enable the constructor to bridge the open space (through which the empty exploded shell or loaded cartridge can be ejected) between the barrel and the end of the magazine in a most effectual manner by the extractor and inserter itself.

In Fig. 5 I have shown one of many ways of reciprocating the inserter and extractor, by connecting it, by means of a downwardly-projecting arm, with a reciprocating guard, moving in a way beneath the frame and barrel.

I claim as new, and desire to secure by Letters Patent—

1. A spring-clamping cartridge-inserter, constructed substantially as set forth, which yields to receive the cartridge, and then clamps and holds it, as described.

2. A cartridge inserter and extractor, constructed substantially as set forth, embracing and holding the cartridge by spring-pressure, and admitting of its being ejected by a side-wise application of force, as described.

3. A partially-encompassing split ring or

carrier, with a dog or catch actuated by a spring, which permits the insertion of the cartridge into the carrier, springing up behind, and holding the head against a lateral thrust, substantially as described.

4. The combination of the spring-clamping inserter and extractor, reciprocating in a space between the magazine and barrel of the

gun, and the guide A, as and for the purpose set forth.

In testimony whereof I have hereunto subscribed my name.

JOE V. MEIGS.

Witnesses:

JOB BARNARD,

JAS. CROGGON.