

J. C. HODGES & A. A. HULL.  
Revolving Fire-Arms.

No. 217.218.

Patented July 8, 1879.

FIG. 1.

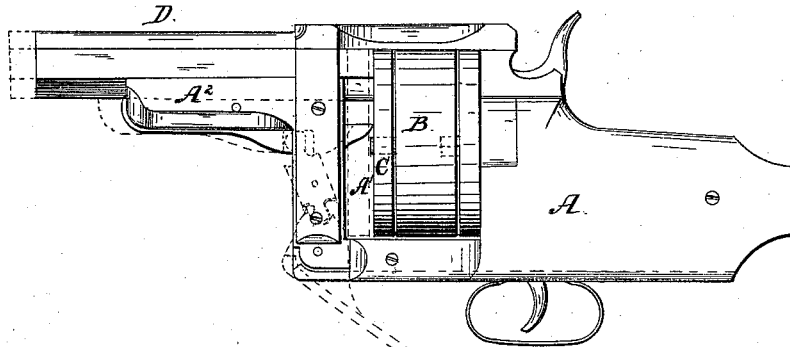


FIG. 2.

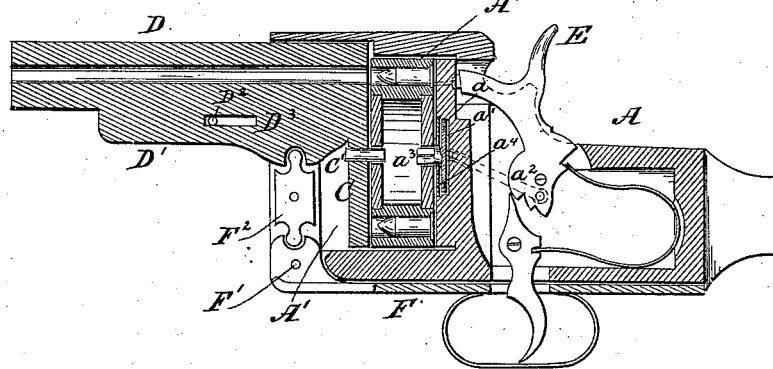


FIG. 3.

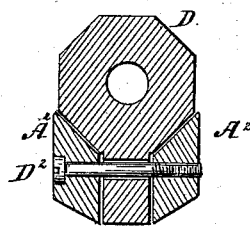
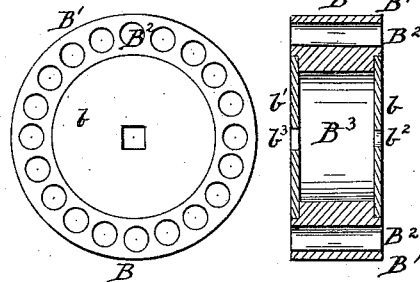


FIG. 4.



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN REVOLVING FIRE-ARMS.

Specification forming part of Letters Patent No. **217,218**, dated July 8, 1879; application filed July 1, 1878.

*To all whom it may concern:*

Be it known that we, JAMES C. HODGES and ALFRED A. HULL, of Morristown, in the county of Hamblen and State of Tennessee, have invented certain new and useful Improvements in Breech-Loading Fire-Arms; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of this invention is to furnish a gun having a revolving magazine, which may be readily removed and another substituted in its place, the said magazine being so constructed that it may be readily carried on or about the person.

It consists in the construction and arrangements of the several parts hereinafter fully explained.

In the drawings, Figure 1 is a side elevation, and Fig. 2 is a longitudinal vertical section, of a fire-arm constructed according to our invention; and Figs. 3 and 4 are detail views.

A is the frame, which is constructed with a chamber, A<sup>1</sup>, in which is placed the revolving magazine B and the disk C on the breech of the barrel D. In the frame on the rear side of the chamber A<sup>1</sup> there is formed a recess or chamber, a, in which is placed the ratchet-wheel a<sup>1</sup>, which is engaged by the pawl a<sup>2</sup>, attached to the hammer E. The ratchet-wheel a<sup>1</sup> is provided with a central pin, a<sup>3</sup>, which projects forward through a suitable opening in the small plate, a<sup>4</sup>, covering the recess or chamber a.

The pin a<sup>3</sup> is made square or otherwise angular, and is adapted to fit snugly in a correspondingly-formed opening in the center of the magazine B. The magazine B has its central portion cut away, leaving a substantial rim, B<sup>1</sup>, in which are formed the cartridge-chambers B<sup>2</sup>. The central opening, B<sup>3</sup>, is closed in by the rear and front plates, b b<sup>1</sup>. The rear plate, b, has an angular opening, b<sup>2</sup>, which fits snugly onto the angular pin a<sup>3</sup>, and when placed thereon will revolve with the ratchet-wheel a<sup>1</sup> and also revolve the magazine. The front plate is provided with a round opening, b<sup>3</sup>, which fits

on a round bearing-pin, C', on the disk C on the rear end of the barrel D.

A magazine constructed as described may be made of any desired size, so that any number of cartridge-chambers can be provided. The cartridge may be put into the magazine, and the latter placed on a suitable cord or strap and suspended to the belt of the person.

The barrel D is supported in the frame A with capability of sliding longitudinally forward. It rests on the parallel arms A<sup>2</sup>, which project forward from the frame A, and it has the under projection, D<sup>1</sup>, which fits snugly between said arms and prevents any lateral movement, and it is held from vertical movement by a screw or pin, D<sup>2</sup>, passed through the arms A<sup>2</sup> and slot D<sup>3</sup> in the projection D<sup>1</sup>.

On the rear end or breech of the barrel is formed the disk C, which is arranged within the chamber A<sup>1</sup>, and it projects downward, and is made of the same diameter as the magazine B, so as to completely cover the face of the latter when in place in the frame. On the center of the disk C is affixed the bearing-pin C', which enters the hole and supports the front side of the magazine.

The chamber A<sup>1</sup> is of sufficient longitudinal length to permit the sliding of the barrel D, with its disk C, far enough forward to withdraw the pin C' from the opening b<sup>3</sup>, and thus relieve the magazine, so that it may be readily removed from the said chamber A<sup>1</sup>.

The barrel D is moved forward or back by the guard-plate F, which is pivoted to the forward end of the frame A and below the barrel at F<sup>1</sup>, and by the rocking-bar F<sup>2</sup>, which is also pivoted to the frame, and couples with the said guard-plate and with the projection D<sup>1</sup> on the barrel D. By throwing the guard-plate F down, as shown in dotted lines, Fig. 1, the barrel is thrown forward and the magazine is released, and may be removed and another substituted. When the guard-plate is turned back into its position against the frame the pin C' is thrust into its bearing in the magazine, and the latter is firmly locked in its place.

The guard-plate is held at its rear end by a suitable catch, which may be readily disengaged when desired.

Having described our invention, what we

claim, and desire to secure by Letters Patent, is—

1. The combination, with the frame A, having chamber A<sup>1</sup>, and barrel D, having the disk C, with pin C', and secured in the frame A with capability of a forward sliding movement, of the removable magazine B, substantially as and for the purposes set forth.

2. In a breech-loading fire-arm, the revolving magazine B, having its central portion, B<sup>3</sup>, cut away, so as to form a rim, B<sup>1</sup>, and having the ends of said central opening closed by plates b and b', in which are angular opening b<sup>2</sup> and round opening b<sup>3</sup>, and the ratchet-wheel a<sup>1</sup>, having angular pin a<sup>2</sup>, and supported in a suitable

bearing in the recess a, all arranged to operate substantially as and for the purposes set forth.

3. The combination, with the frame A and barrel D, having projections D<sup>1</sup>, of the rocking coupling-bar F<sup>2</sup> and guard-plate F, swinging on a pivot, F<sup>1</sup>, at its forward end, as and for the purposes set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

JAMES C. HODGES.  
ALFRED A. HULL.

Witnesses:

J. P. GRAVES,  
J. A. CHILTON.