

B. F. JOSLYN.
 Extractors for Revolving Fire-Arms.

No. 204,336.

Patented May 28, 1878.

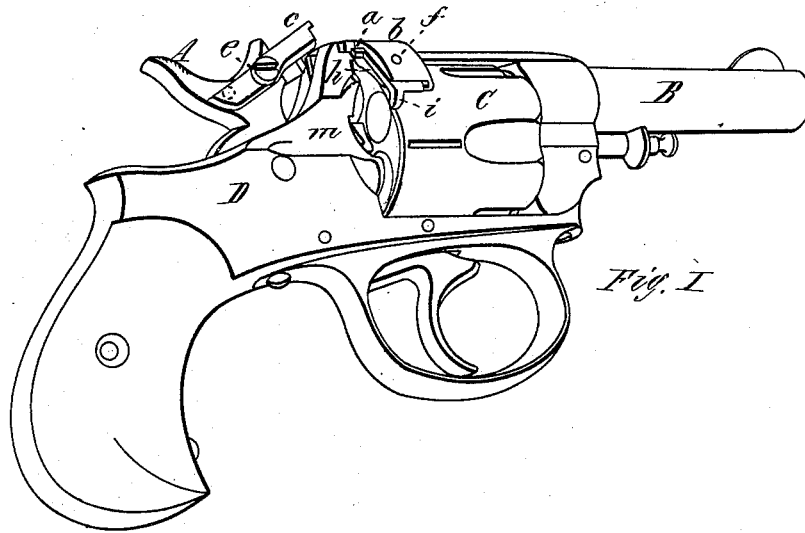


Fig. I

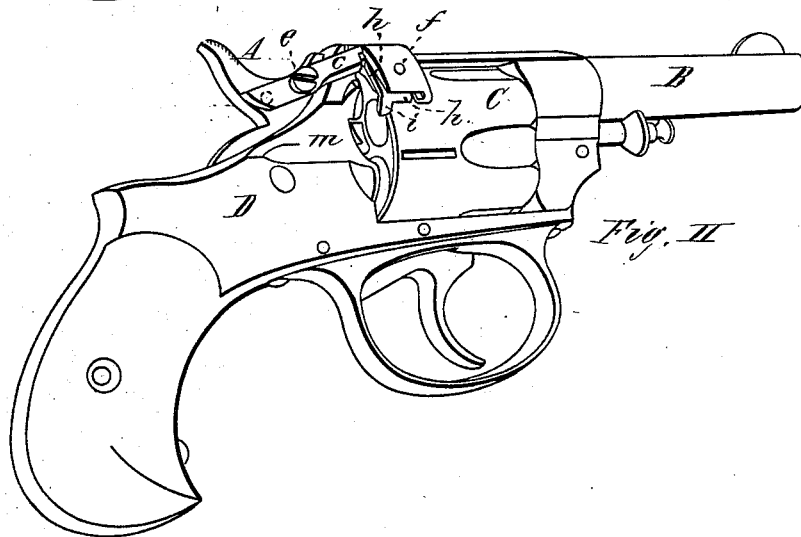


Fig. II

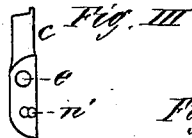


Fig. III

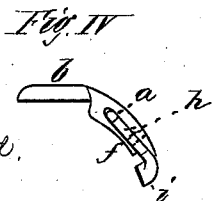


Fig. IV

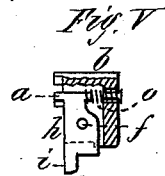


Fig. V

Witnesses
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN EXTRACTORS FOR REVOLVING FIRE-ARMS.

Specification forming part of Letters Patent No. **204,336**, dated May 28, 1878; application filed
February 23, 1878.

To all whom it may concern:

Be it known that I, BENJAMIN F. JOSLYN, of Worcester, in the State of Massachusetts, have invented a new and useful Improvement in Revolving Fire-Arms; and that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon.

The object of my invention is to eject the shells from the chambers of the cylinder of a revolving fire-arm automatically as the cartridges are exploded by the operation of discharging the arm; and it consists of a lever pivoted above the cylinder, having on one end a wedge-shaped projection to pass in between the flanges of the shells and the rear end of the cylinder as the latter is revolved, and adapted at the other end to be struck by a piece secured to the upper part of the hammer, as will be more fully hereinafter described.

Figure I is a perspective view of a revolving fire-arm having my invention applied thereto, and showing the hammer cocked and the lever in position to eject the shells. Fig. II is a perspective view, showing the hammer let down and the piece secured thereto as having struck the ejector and ejected the shell. Fig. III is an inside view of the piece secured to the hammer, which strikes the ejector to operate it. Fig. IV is a rear view of the ejector and the part in which it is pivoted. Fig. V is a side view of the ejector.

In the drawings, D is the frame of a revolving fire-arm. B is the barrel, C the cylinder, and A the hammer; and *b* is a piece secured to that part of the frame which extends along above the cylinder, in which piece is pivoted at *f* a lever, *h*, having at its lower end a wedge-shaped projection, *i*, and the upper end of said lever is bent backward at *a*, and a spring, *o*, is placed inside the lever *h* to keep its end *a* always outward, and the wedge-shaped projection *i* at its lower end always in against the rear end of the cylinder.

A piece, *c*, is secured to the upper part of the hammer, preferably by a screw or pivot, *e*, and may be so arranged by a small pin in the side of the hammer and a slot, *n*, in the inside of the piece *e*, that the said piece *e* may be thrown upward a little at its forward end, so that when the hammer is let down the piece will not strike the end *a* of the lever, or it may be thrown down so that the end *a* of the ejector will be struck by it, as may be desired.

The operation of the invention is as follows: The side of the frame is recessed a little at *m*, so that the cartridges may be inserted easily, and after being inserted, if the piece *c* is in the position shown in Fig. I, as the hammer is cocked and the arm discharged the piece *c* strikes against the end *a*, driving that end in and forcing the projection *i* on the lower end of the ejector outward, the latter having passed in between the flange of the shell and the cylinder as the latter revolves, so that when the piece *c* strikes the upper end of the ejector at the forward movement of the hammer, the shell is instantaneously ejected, and is deflected to one side by striking against the rounded end of the recess *m*.

The wedge shape of the projection *i* causes the shell to be started out of the chamber a little as the wedge passes behind it, so that it is afterward more easily thrown clear from the chamber by the quick movement of the ejector.

Having thus described my invention, what I claim as new is—

The combination, in a revolving fire-arm, of the cylinder C, the ejector *h*, pivoted above and provided with the wedge-shaped projection *i*, the hammer A, and the piece pivoted thereto, substantially as set forth.

BENJAMIN F. JOSLYN.

Witnesses:

T. A. CURTIS,
C. E. BUCKLAND.