

E. ALLEN.  
Revolver.

No. { 2,505. }  
      { 33,509. }

Patented Oct. 22, 1861.

Fig: 1.

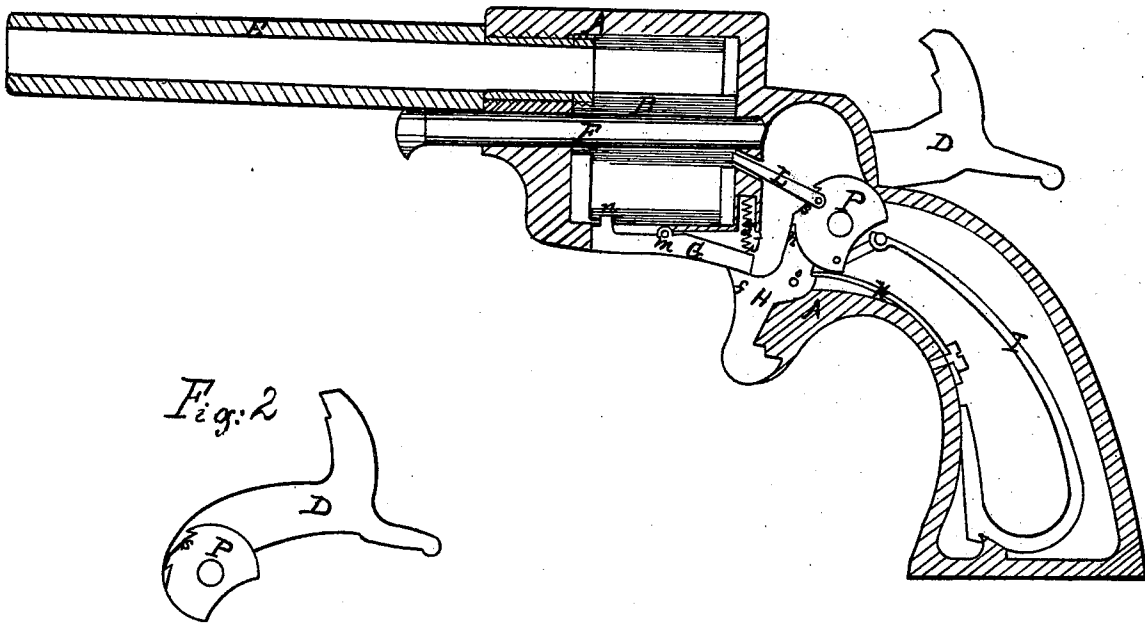


Fig: 2

Witness

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN REVOLVING FIRE-ARMS.

Specification forming part of Letters Patent No. 33,509, dated October 22, 1861.

*To all whom it may concern:*

Be it known that I, ETHAN ALLEN, of Worcester, in the county of Worcester, in the State of Massachusetts, have invented a new and Improved Mode of Constructing Revolving Fire-Arms; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters marked thereon, in which—

Figure 1 is a sectional view through the center of the revolving pistol, and Fig. 2 is a side view of the cock.

The nature of my invention consists in constructing the stop, cock, and trigger of revolving guns or pistols of such shape that the stop is operated by the trigger.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A is the frame of a revolving pistol. B is the cylinder; D, the cock; E, the barrel; F, the pin on which the cylinder revolves. P is the tumbler; H, the trigger; G, the lever-stop; I, the mainspring; J, the stop-spring; K, the trigger-spring, and L the lever which revolves the cylinder.

I construct the stop-lever G of the form seen in the drawings, and hang it in the frame A by pin *m*. When the pistol is cocked, as seen at Fig. 1, the spring J forces the end of the lever-stop down until it rests on the part *f* of the trigger H, while the opposite end of the lever-stop is forced into the recess *n* of the

cylinder B, which secures the cylinder B in the right position to be discharged.

The trigger H is hung in the frame by pin *o*, and the point *h* of the trigger H plays against the form of the tumbler P, being forced into that position by spring K, which is intended to have sufficient force to counteract spring J. When the cock is at rest against the frame A, after being discharged, the tumbler P is brought into such position as to receive the point *h* of the trigger H into the recess *s* in tumbler P, which is kept firmly in that position by spring K. The point *f* of trigger H raises the end of lever-stop G, which releases the cylinder at *n* and allows it to revolve to the next recess, when it is held in position to be discharged as before, and the process is repeated until all of the chambers have been discharged.

Other parts of this arm not mentioned are similar to those in common use. Consequently a further description is not deemed necessary.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

Operating the lever-stop G of revolving fire-arms by trigger H, in combination with tumbler P and spring K, substantially as set forth and described.

ETHAN ALLEN.

Witnesses:

HENRY C. WADSWORTH,  
GEORGE W. FAIRFIELD.