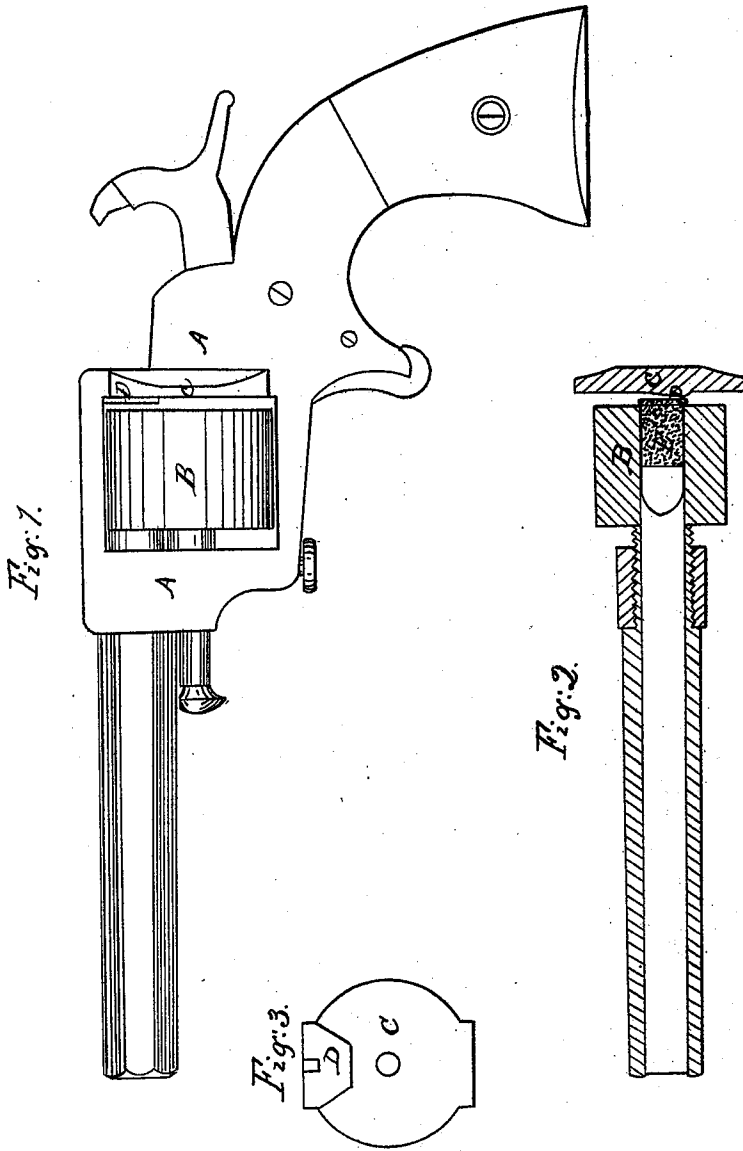


E. ALLEN.  
Revolver.

No. 28,951.

Patented July 3, 1860.



Witnesses  
Henry C. Warriner  
George W. Fairfield

Inventor  
Ethan Allen

# UNITED STATES PATENT OFFICE.

ETHAN ALLEN, OF WORCESTER, MASSACHUSETTS.

## IMPROVEMENT IN REVOLVING FIRE-ARMS.

Specification forming part of Letters Patent No. 28,951, dated July 3, 1860.

*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 Repeating 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 letters marked thereon, in which drawings—

Figure 1 is a side view of the revolving pistol. Fig. 2 is a section through the center of the barrel and upper portion of the cylinder, and Fig. 3 is an end view of the inside of the frame or recoil-plate.

The nature of my invention consists in constructing the recoil-plate of a revolving cartridge-pistol with a projection in the form of an inclined plane in the rear of the cylinder, so as to relieve the pressure from the end of the cartridge and allow the cylinder to revolve with freedom.

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 the pistol.

B is the cylinder.

C is the recoil-plate.

D is a projection on recoil-plate C, in form of an inclined plane.

E is a metallic cartridge. The metallic cartridges E are placed in cylinder B, which, when brought into position to be discharged, comes in contact at the rear end with the incline D. The cylinder B revolves from the base of the inclined plane D, which frees the cylinder from the pressure caused by the setting back of the cartridge in being discharged, and allows it to turn freely, which is not the case when the recoil-plate is of a level or even surface.

Other parts not mentioned being similar to those in common use, and easily understood by the drawings, a more particular description is not deemed necessary.

Having thus fully described my invention, I would state that I do not claim a flat or level surface on a recoil-plate, as this is not new; but

What I do claim herein as new, and desire to secure by Letters Patent, is—

Providing the recoil-plate of revolving fire-arms with a projection in the form of an inclined plane, so that the cylinder will be free to revolve at the first minute movement of the hammer, substantially in the manner and for the purpose above set forth and described.

ETHAN ALLEN.

Witnesses:

HENRY C. WADSWORTH,  
GEORGE W. FAIRFIELD.