

W. H. ELLIOT.
Breech-Loading Fire-Arm.

No. 68,292.

Patented Aug. 27, 1867.

Fig. 1.

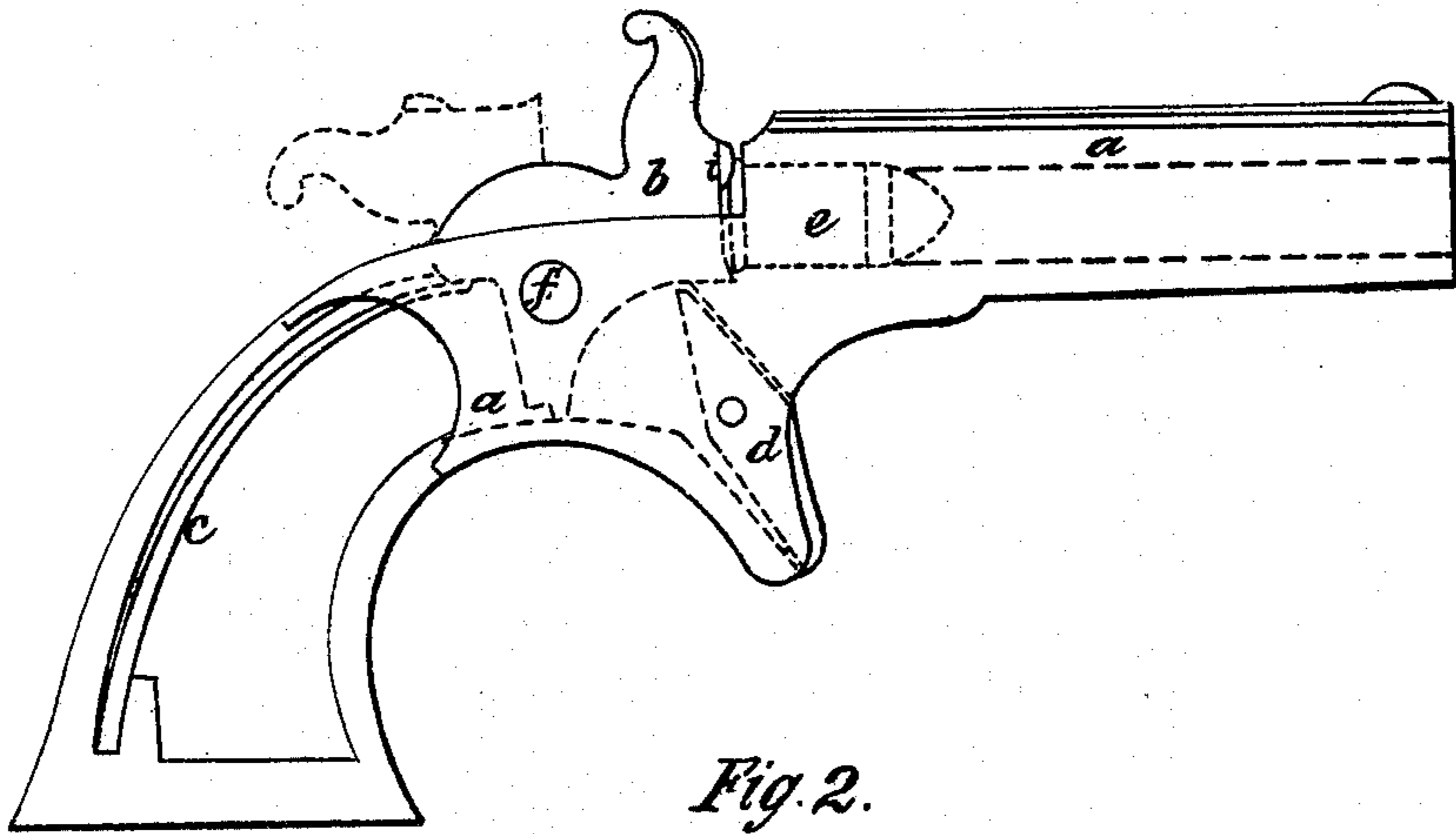


Fig. 2.

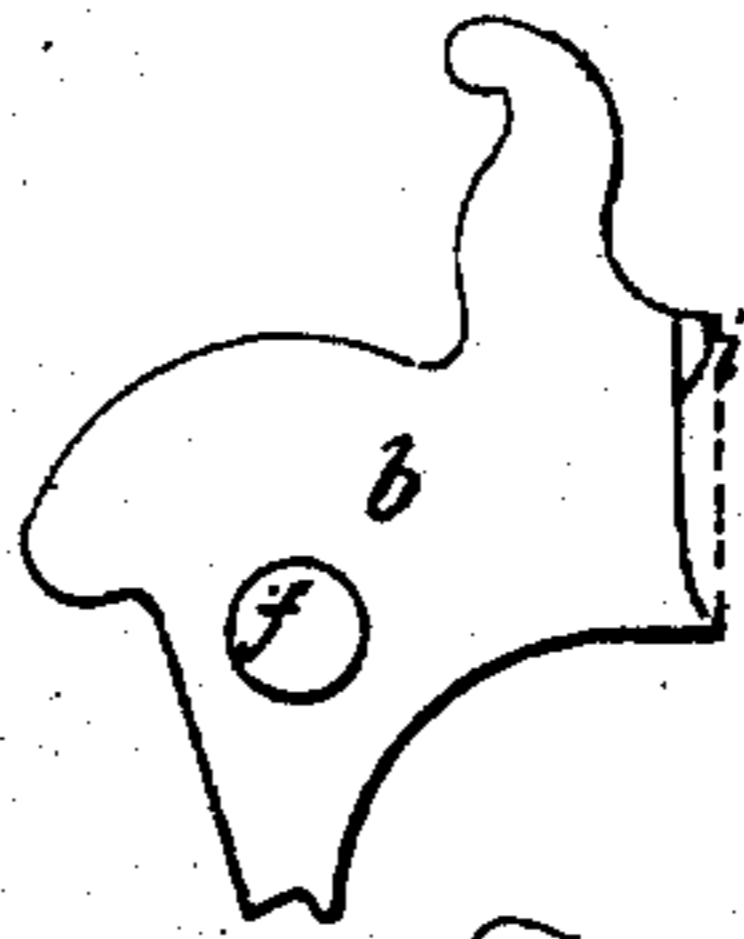
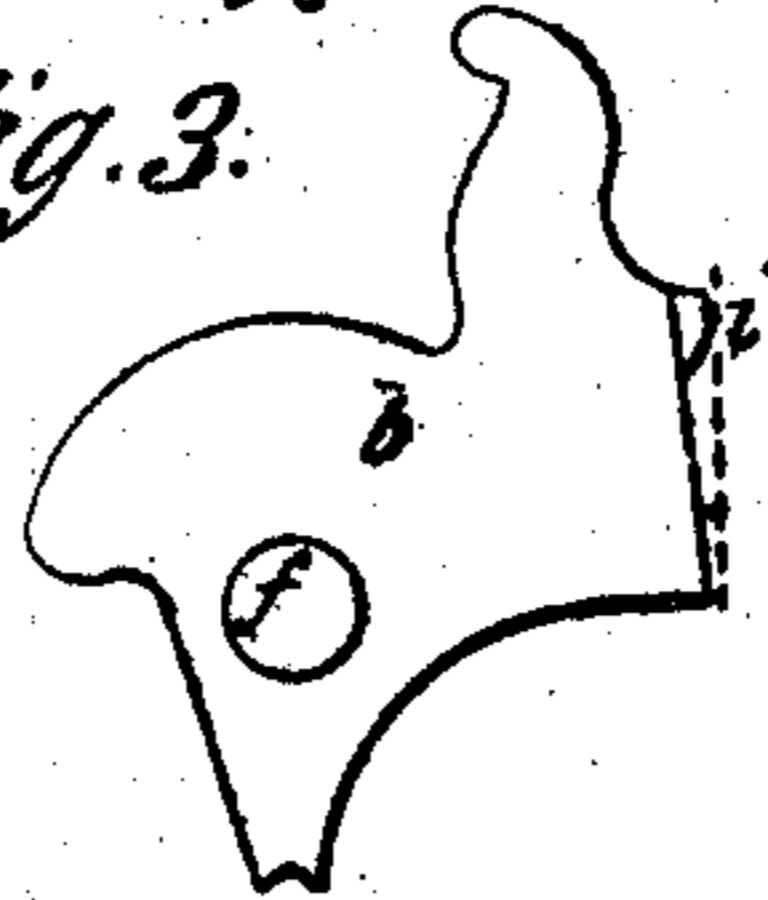


Fig. 3.



Witnesses.

Lowell Elliot
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Inventor.

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United States Patent Office.

WILLIAM H. ELLIOT, OF NEW YORK, N. Y.

Letters Patent No. 68,292, dated August 27, 1867.

IMPROVEMENT IN HAMMER FOR BREECH-LOADING FIRE-ARMS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM H. ELLIOT, of the city, county, and State of New York, have invented a new and improved Hammer for Breech-Loading 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 of reference marked thereon.

Similar letters of reference indicate the same devices in all the figures.

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

The nature of my invention consists in so shaping the face of a hammer of a breech-loading fire-arm, which receives the recoil of the cartridge, that the rear force of the charge shall tend to keep the hammer down and the chamber closed; and in so constructing the hammer and arranging its pivot in relation to the chamber, that it will adjust the cartridge in the chamber as it falls, before the firing point can reach it.

Figure 1 is a pistol, having in it my improved hammer shown in elevation.

Figures 2 and 3 show two forms of my invention, both producing the same result.

a, barrel and frame; *b*, hammer; *c*, main-spring; *d*, trigger; *e*, cartridge; *f*, hammer pivot; *z*, firing point. My improved hammer is hung with a very strong pivot, directly in the rear of the lower part of the chamber, and when the discharge takes place it acts as a breech-plate to the chamber; and to prevent the hammer from being raised and the chamber opened by the force of the charge, I project the face of the hammer forward nearer to the chamber at its lower side than at its upper side. This projection, with the friction of the head of the cartridge upon the face of the hammer, effectually prevents it from rising at the moment of the discharge, while it may readily be raised by the thumb-piece afterwards. In case the cartridge happens not to be pushed forward to its place in the chamber, the lower projecting portion of the face, in consequence of the arrangement of the pivot in relation to the chamber, before mentioned, adjusts the cartridge to its place before the firing point, which is on the upper portion of the face, can strike it. This prevents firing when the cartridge is a little way out of the chamber, and the hammer is not quite down, for, as the hammer falls, the lower portion of its face first reaches the cartridge and drives it into the chamber without danger of firing before the firing point can reach it.

Having described my invention, what I desire to secure by Letters Patent of the United States, is—

1. In those arms in which the hammer receives the force of the charge as a breech-plate, and is pivoted to the arm in a rearward direction from the chamber, I claim projecting the lower portion of the face forward, substantially as and for the purpose herein described.

2. So arranging and constructing the face of such hammer, the firing point, and hammer pivot in relation to each other, that the cartridge will be adjusted to its place in the chamber, as herein set forth.

WM. H. ELLIOT.

Witnesses:

LOWELL ELLIOT,
M. L. ELLIOT.