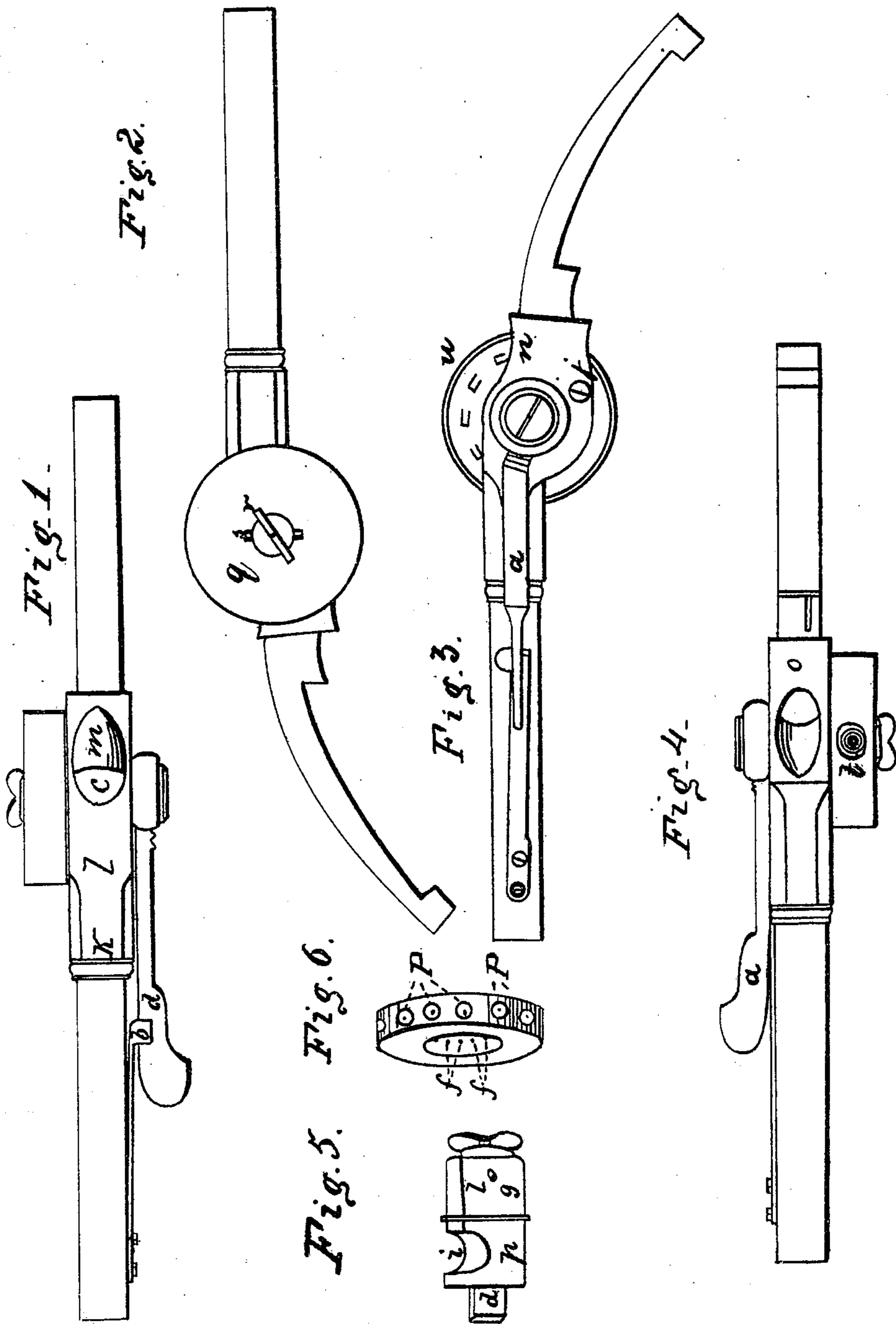


H. GROSS.

Breech-Loading Fire-Arm.

No. 12,906.

Patented May 22, 1855.



UNITED STATES PATENT OFFICE.

HENRY GROSS, OF TIFFIN, OHIO.

IMPROVEMENT IN FIRE-ARMS.

Specification forming part of Letters Patent No. **12,906**, dated May 22, 1855.

To all whom it may concern:

Be it known that I, HENRY GROSS, of the city of Tiffin, county of Seneca, and State of Ohio, have invented a new and useful Improvement in Faucet or Breech Loading Fire-Arms, the nature of which invention consists in the arrangement and combination of the cap-cylinder with the cylindrical roller, by which the mode of loading guns at the breech-opening and firing the same is greatly simplified. This arrangement is less liable to disarrangement in its parts, of easy and speedy application, and more durable and useful than any other gun of the kind now in use; and I 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.

Figure 1 is a top view of the gun without a stock. Fig. 2 is a side view of the same, showing the cylindrical cap. Fig. 3 is also a side view of the same, showing the loading-lever and inside of the cap-cylinder. Fig. 4 is an under side view of the gun, showing the elongated holes through the breech-piece, and also the nipple. Fig. 5 is the cylindrical roller, and Fig. 6 the cap-cylinder working therewith.

In constructing and using this improvement the cap-cylinder is made of steel, with nipples placed in the periphery *p p*, with vents extending through to *f f*. This cap fits on the

cylindrical roller Fig. 5, and is secured by thumb-screw *r*, Fig. 2; and upon each change of the lever *a*, in order to load the gun, the cap-cylinder is turned forward, presenting one of the vents *f* opposite and over the vent *g* in the roller, which communicates with the charge in the gun. In the roller Fig. 5, at *i*, is a hollow to allow the charge or cartridge to be inserted, one edge of which serves as a cam and cuts off the end of the cartridge as the lever is turned back to its place, in this—viz., the loading, priming, and cutting of the cartridge is done by a backward and forward movement of the lever only. At *u*, Fig. 3, are notches in the cap-cylinder, in which a concentric spring works as the cylinder is turned forward by means of the lever, and by which spring this cap-cylinder is regulated and made to present a nipple to the hammer at the proper point. The hammer is upon the under side of the gun.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination and arrangement of the cap-cylinder with the cylindrical roller, as described and shown in Figs. 5 and 6. All else and all other parts of said gun I disclaim.

HENRY GROSS.

Witnesses:

R. G. PENNINGTON,
J. H. LEIDY.