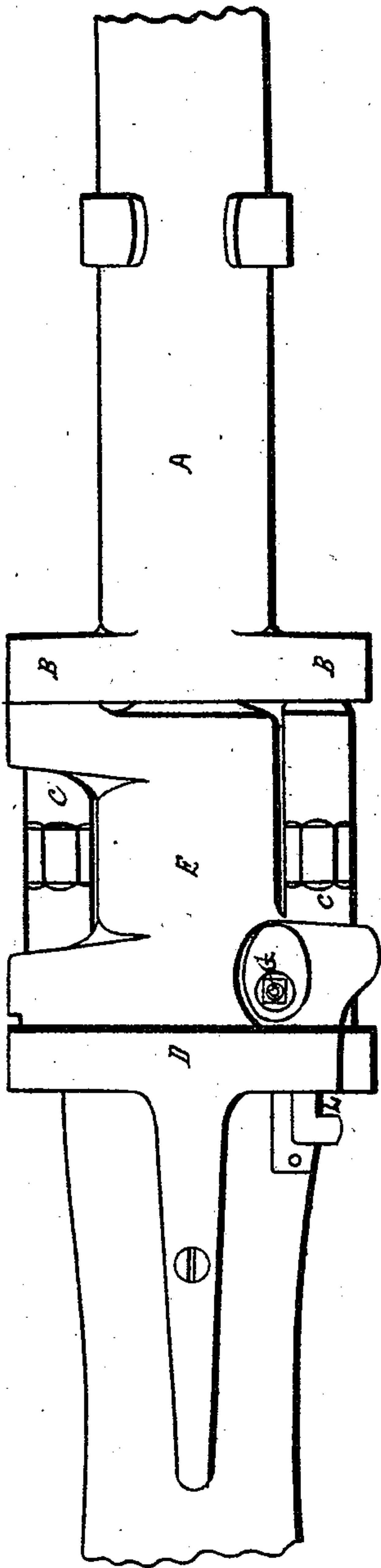


W. W. HUBBELL.  
Breech-Loading Fire-Arm.

No. 3,649.

Patented July 1, 1844.

Fig. 1.

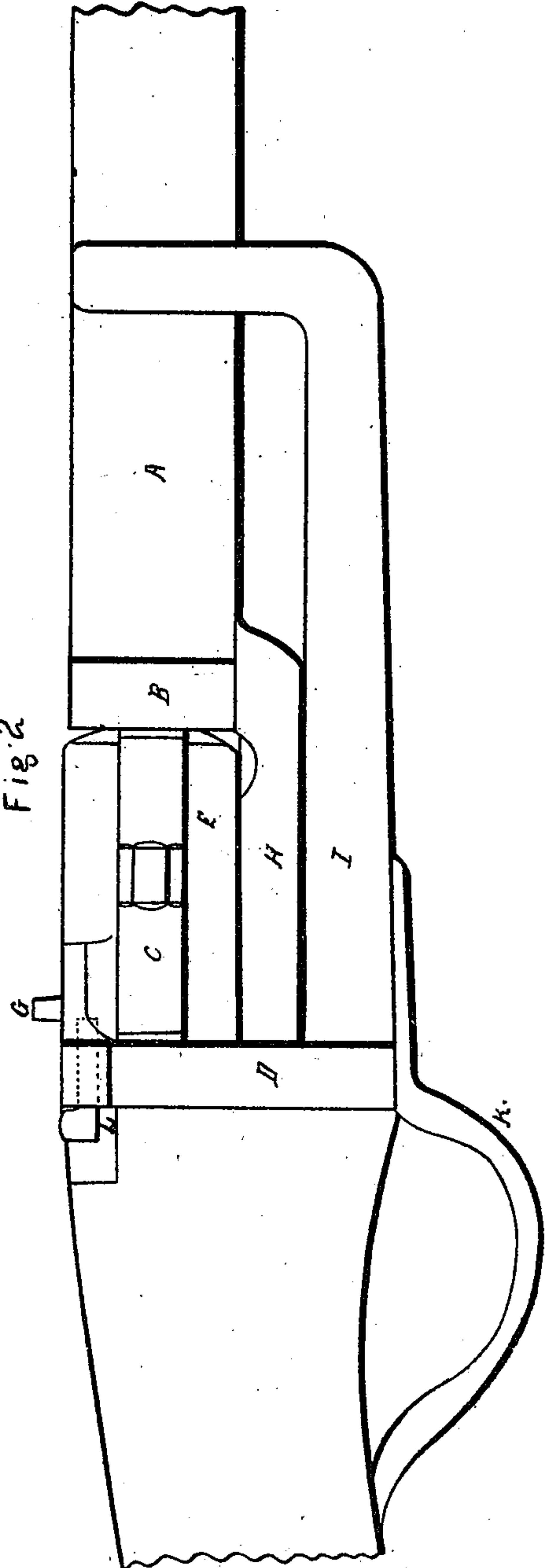


Witnesses

*Wm. Cook*

*C. F. Hagedorn*

Fig. 2.



Inventor.

*Wm. W. Hubbell*

# UNITED STATES PATENT OFFICE.

WM. W. HUBBELL, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN FIRE-ARMS.

Specification forming part of Letters Patent No. 3,649, dated July 1, 1814.

*To all whom it may concern:*

Be it known that I, WILLIAM W. HUBBELL, of the city of Philadelphia and State of Pennsylvania, have invented a new and Improved Construction of Fire-Arms; and I do hereby declare that the following is a full and exact description of the same.

The nature of my invention consists in detaching so much of the breech end of the barrel as will contain the charge from the main part of the barrel by having it to flap over to one side of the barrel on a rod as its center, which runs parallel with the barrel, and thus expose itself to receive the charge, after receiving which it is flapped back to discharge its load through the main part of the barrel, and is for all kinds of fire-arms.

To enable others skilled in fire-arms to make and use my invention, I will proceed to describe its construction and operation, referring to the accompanying drawings, which make up this specification.

Figure 1 is a perspective view of the upper part of the breech. To the sides of the back part of the main barrel A, I have two ears, B B, through which two rods, C C, pass, and are secured to a breech-plate, D, which receives the recoil end of the breech E, which contains the load, and which opens on the left-hand rod as its center, the right-hand rod acting as its correspondent, both serving the purpose of bracing the main barrel to the breech-plate having the breech between them. There is a percussion-tube, G, on the back end of the breech to fire the charge from.

Fig. 2 is a perspective side view, similar letters referring to the same parts, as in Fig. 1. To regulate the caliber of the breech E prop-

erly with that of the main barrel A, I have to the lower part of the main barrel a tongue, H, on which the breech rests, and which enters a square groove in the breech-plate D, and it will now be observed that the lower part, i, of this breech-plate extends under the whole breech and receives the main barrel in a prong securely, and that the guard K screws to it. The stock and breech end are secured together by the usual breech-tongue and the guard. The back-action lock I deem best to use, variations of the same. A flint and steel may be used to fire the charge, the pan being where the percussion tube is. The rods C C may screw into the ears and breech-plate with right and left screws on each rod. The breech E may have one or two chambers, a corresponding number always being in the main barrel, and when there are two a corresponding tube and lock must be on the opposite side. For other little peculiarities not explicitly describable here, reference is given to the gun. This breech E may open either on the right or left hand rod; but I have deemed the left hand preferable. A pin, L, secures it down.

Operation: The breech E is opened on its center, charged, closed, primed, and fired, and so on successively.

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

The breech opening and closing on a rod as a center which runs parallel with the main barrel, in the operation of loading and firing fire-arms.

WM. W. HUBBELL.

Witnesses:

JUL. COOK,

C. F. HAGEDORN.