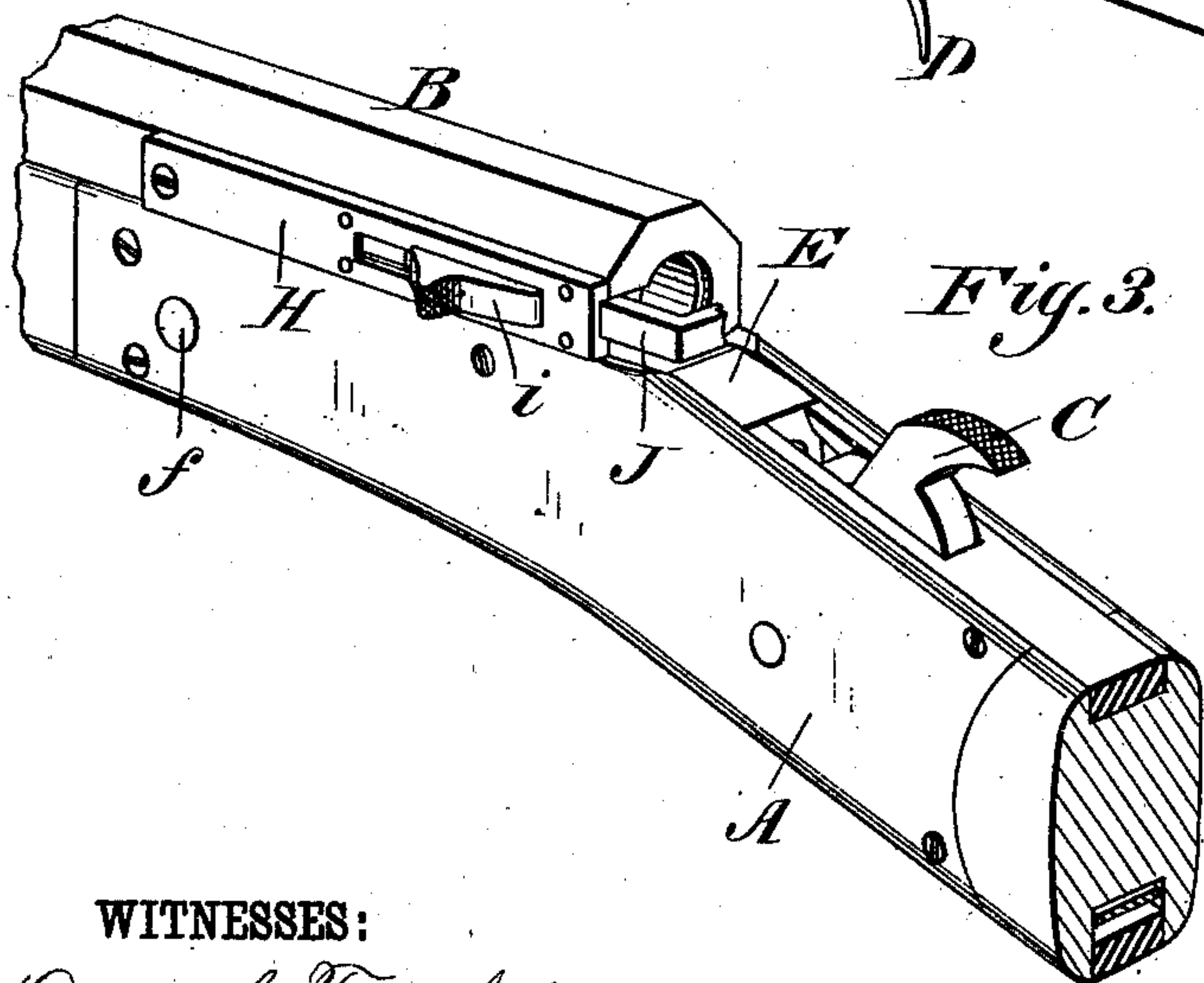
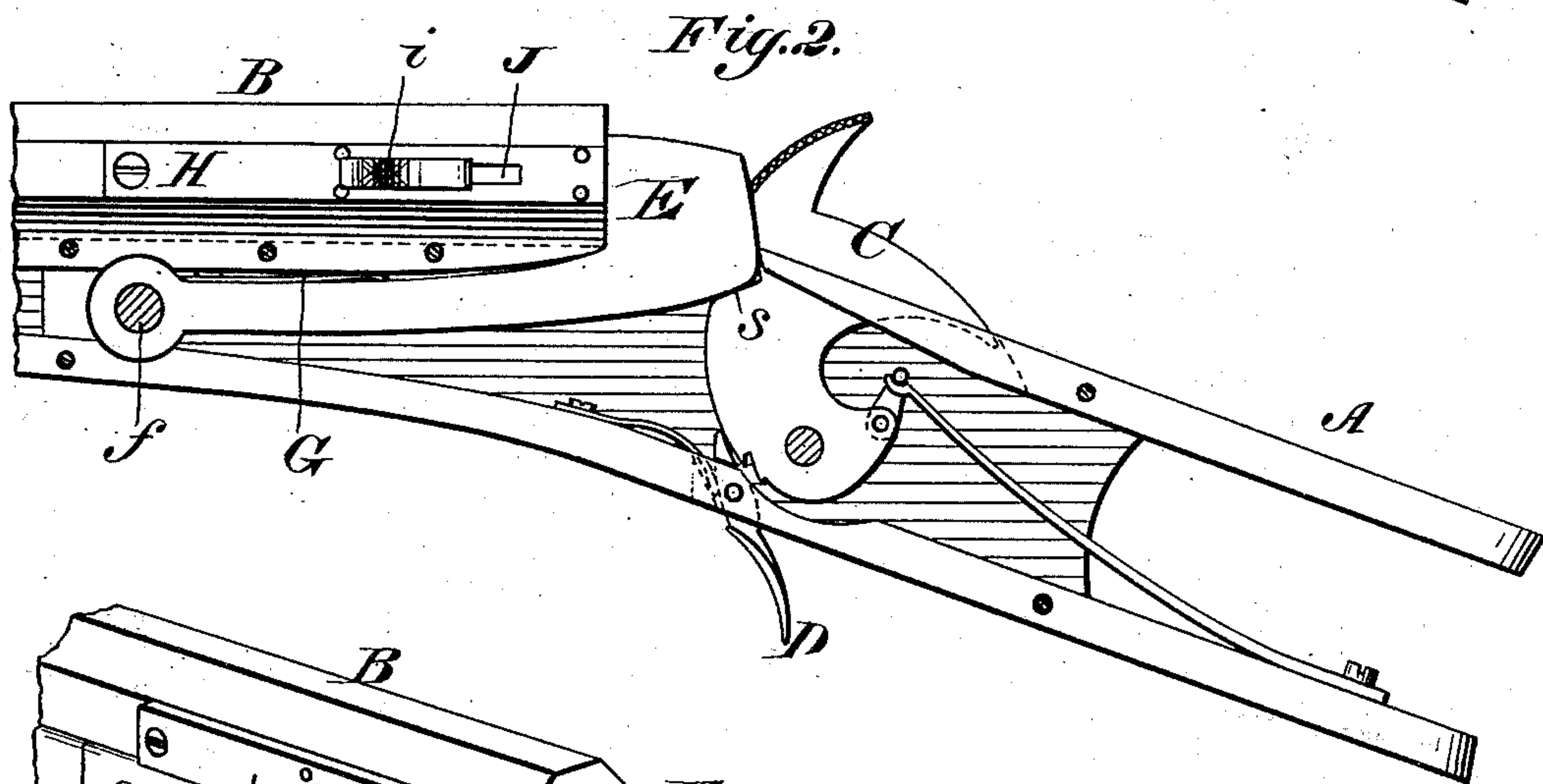
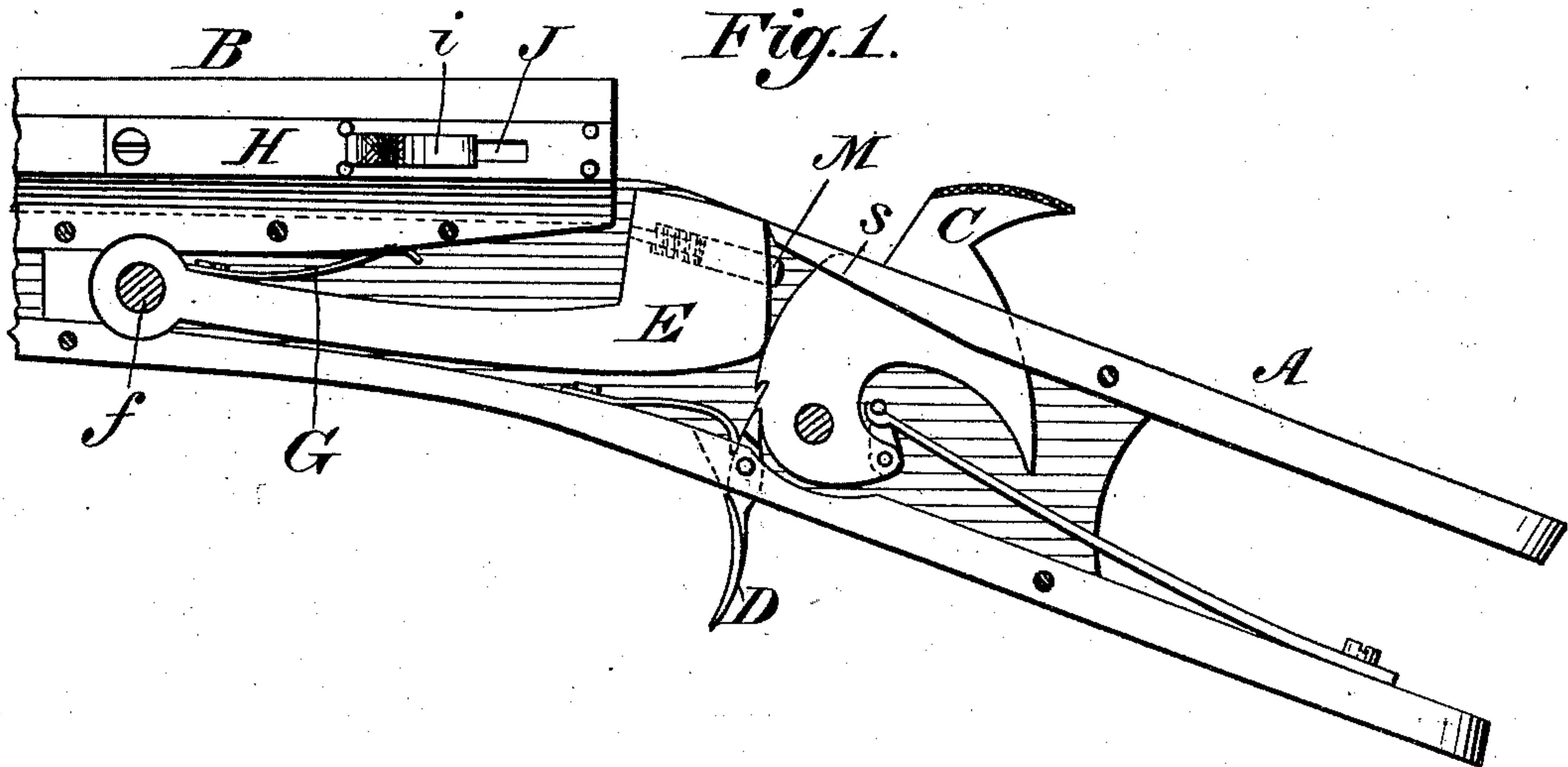


(No Model.)

T. D. BARTLEY.
Breech Loading Fire Arm.

No. 232,919.

Patented Oct. 5, 1880.



WITNESSES:

Donn P. Twitchell.
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INVENTOR:

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UNITED STATES PATENT OFFICE.

THEODORE D. BARTLEY, OF DRESDEN CENTRE, NEW YORK.

BREECH-LOADING FIRE-ARM.

SPECIFICATION forming part of Letters Patent No. 232,919, dated October 5, 1880.

Application filed May 26, 1880. (No model.)

To all whom it may concern:

Be it known that I, THEODORE D. BARTLEY, of Dresden Centre, in the county of Washington and State of New York, have invented a new and useful Improvement in Fire-Arms, of which the following is a specification.

My invention relates to that class of breech-loading fire-arms in which the breech-block is arranged to swing vertically.

The invention consists in a novel construction and arrangement of the breech-block and the hammer, whereby provision is made for depressing the breech-block by means of a spring and for elevating it by the motion of the hammer, as hereinafter more particularly described.

The invention consists, further, in a novel construction and arrangement of a shell-extractor, as hereinafter particularly described.

In the accompanying drawings, Figure 1 is a longitudinal vertical sectional view of a gun, showing the parts in position for receiving a cartridge previous to firing. Fig. 2 is a longitudinal sectional view, showing the parts in position after firing. Fig. 3 is a perspective view, showing the position of the parts after firing and after the ejection of the empty shell.

The stock A, barrel B, hammer C, and trigger D, with the mainspring and trigger-spring, are of the usual general construction, except that the hammer C is pivoted very low down in the wrist of the stock, and its front edge is curved in the form of a cam, for the purpose hereinafter described.

The breech-block E is formed in one piece, with an arm or stem which extends forward, and has its front end pivoted in the frame of the stock by a transverse horizontal bolt, *f*, so as to allow the breech-block to rise and fall vertically in rear of the chamber of the breech. The bolt *f* is arranged at such a point in the frame higher than the pivot of the hammer C, and the curve of the cam-surface or front edge

of the hammer is such with relation to its pivot that the forward movement of the hammer C raises the breech-block E to the position shown in Fig. 2.

The lowering of the breech-block to the position shown in Fig. 1 is accomplished by a spring, G, arranged between the upper side of the arm of the breech-block and the lower side of the top of the frame.

When the hammer is pulled back to cock the gun, the spring G depresses the breech-block. When the hammer moves forward its curved or cam surface bears against the rear and lower corner of the breech-block, so as to raise the same and close the breech.

The shell-extractor consists of a sliding bolt or bar, J, sliding in a casing, H, on one side of the breech of the barrel, and provided with a thumb-piece, *i*, so that it may be moved by hand to eject the empty shell when the breech is open, as illustrated in Fig. 3. The bolt J is provided with a spring for holding it in place when the breech is closed.

The firing-pin M is arranged in the breech-block in the usual manner. The breech-block is locked in its closed position by resting on a shoulder, *s*, on the hammer, at the top of the cam-surface.

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

In a breech-loading fire-arm, a breech-block, E, carried by an arm or stem extending forward and pivoted so as to allow it to swing vertically, in combination with a hammer, C, pivoted on a lower level than the pivot of said breech-block, and having its front edge formed into a cam-surface for raising the breech-block, substantially as shown and described.

THEODORE DECLERMONT BARTLEY.

Witnesses:

JOHN H. ARMSTRONG,
JOHN CLEARY.