

(No Model.)

M. V. KACER & W. J. KRIZ.

FIRE ARM.

No. 273,288.

Patented Mar. 6, 1883.

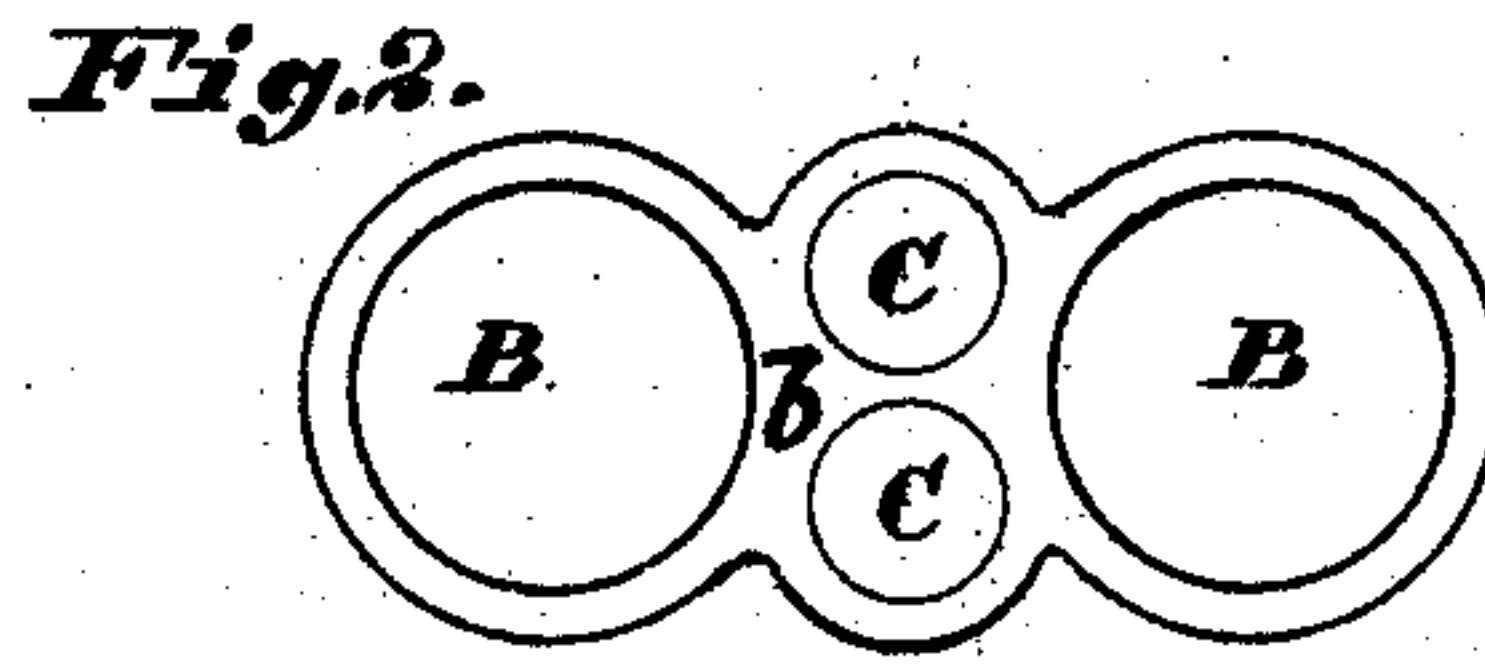
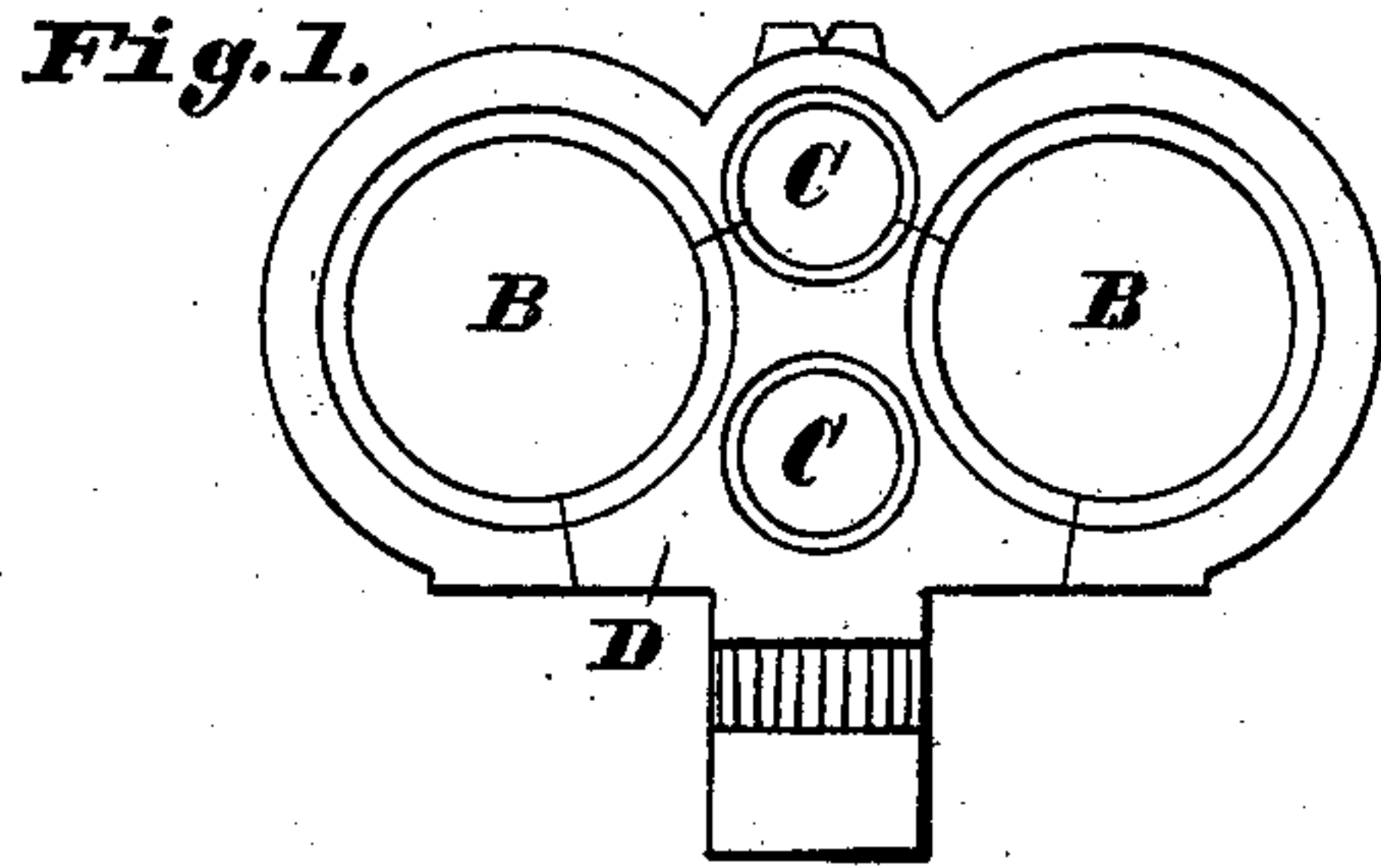


Fig. 6.

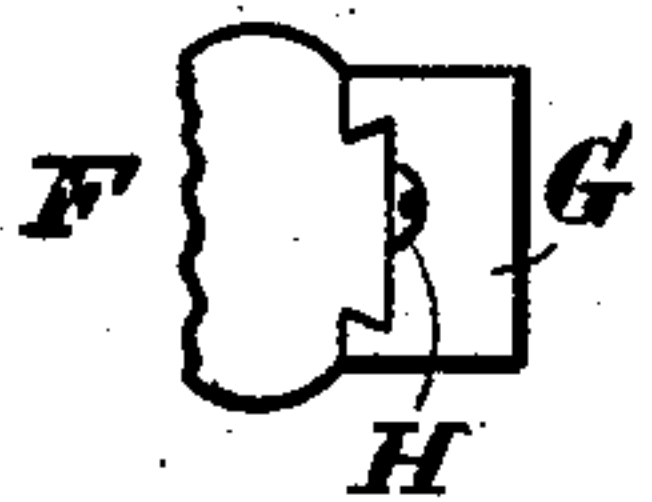


Fig. 7.

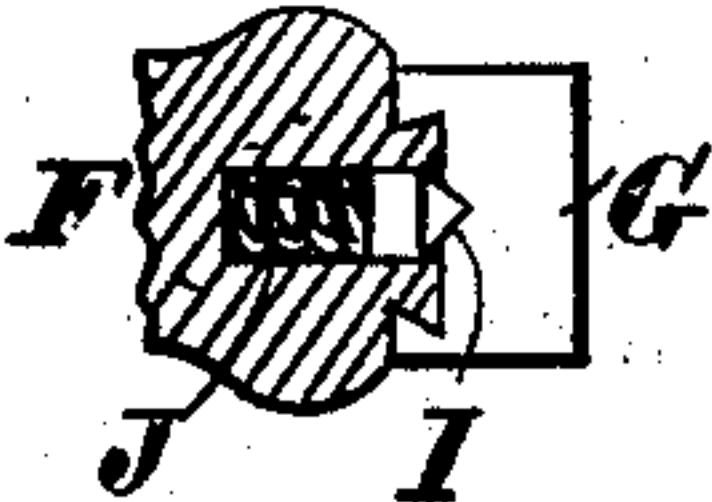


Fig. 8.

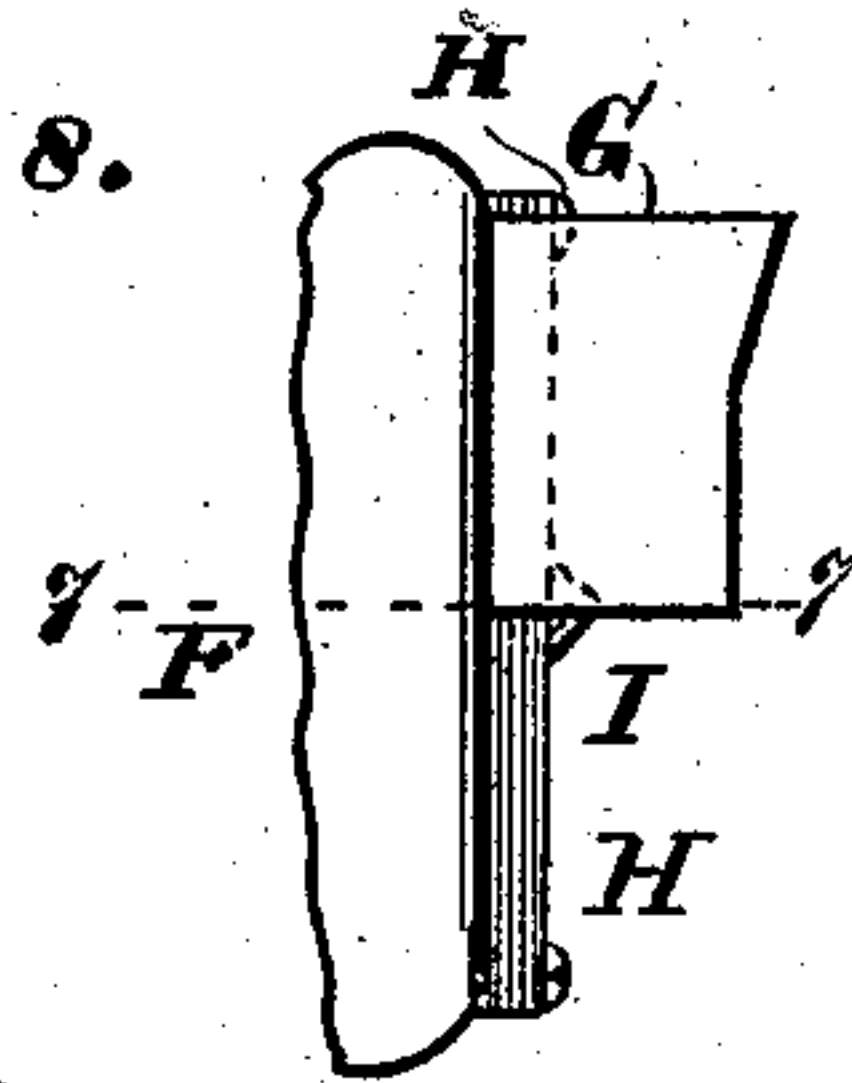


Fig. 3.

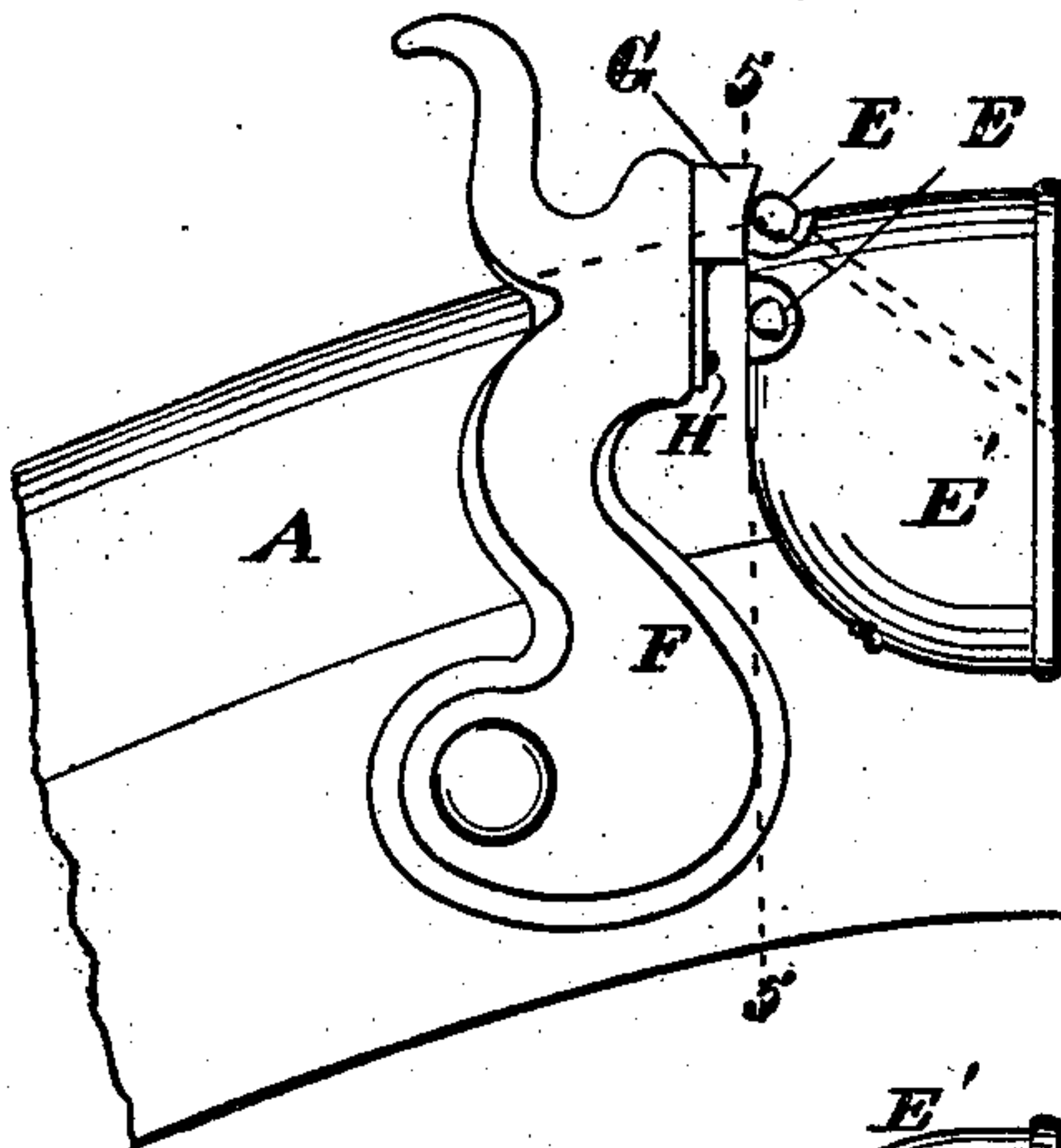
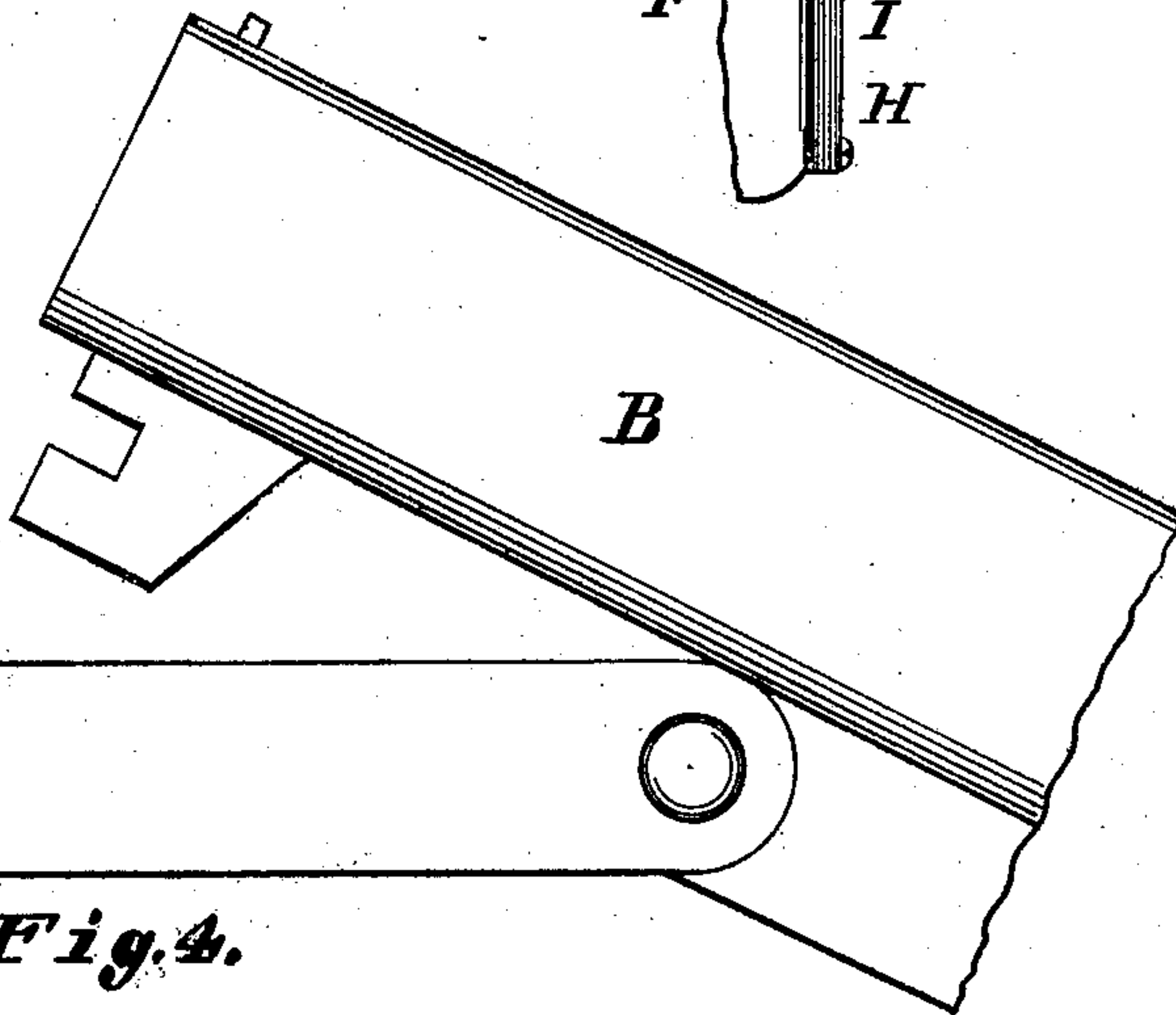


Fig. 4.

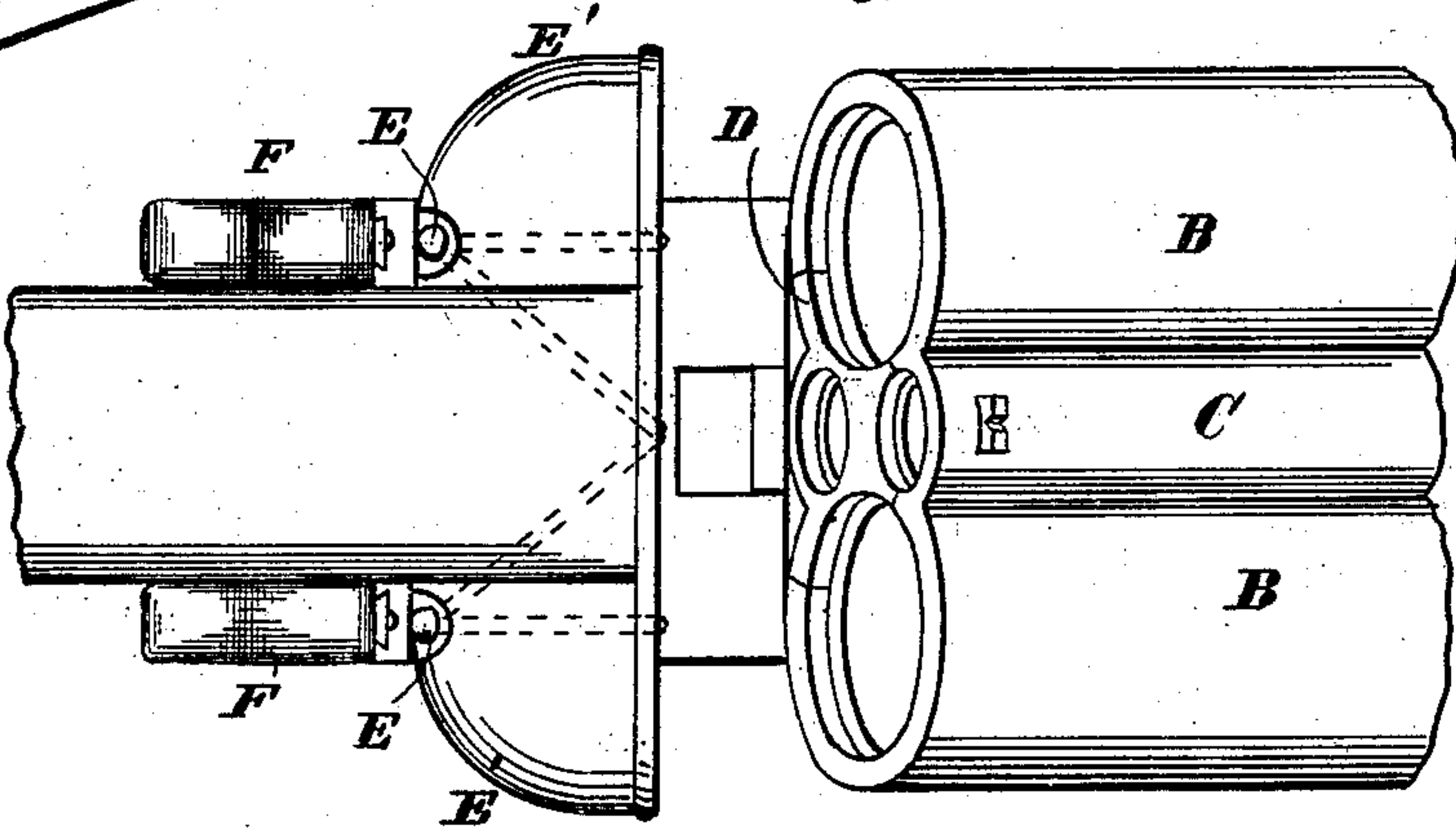
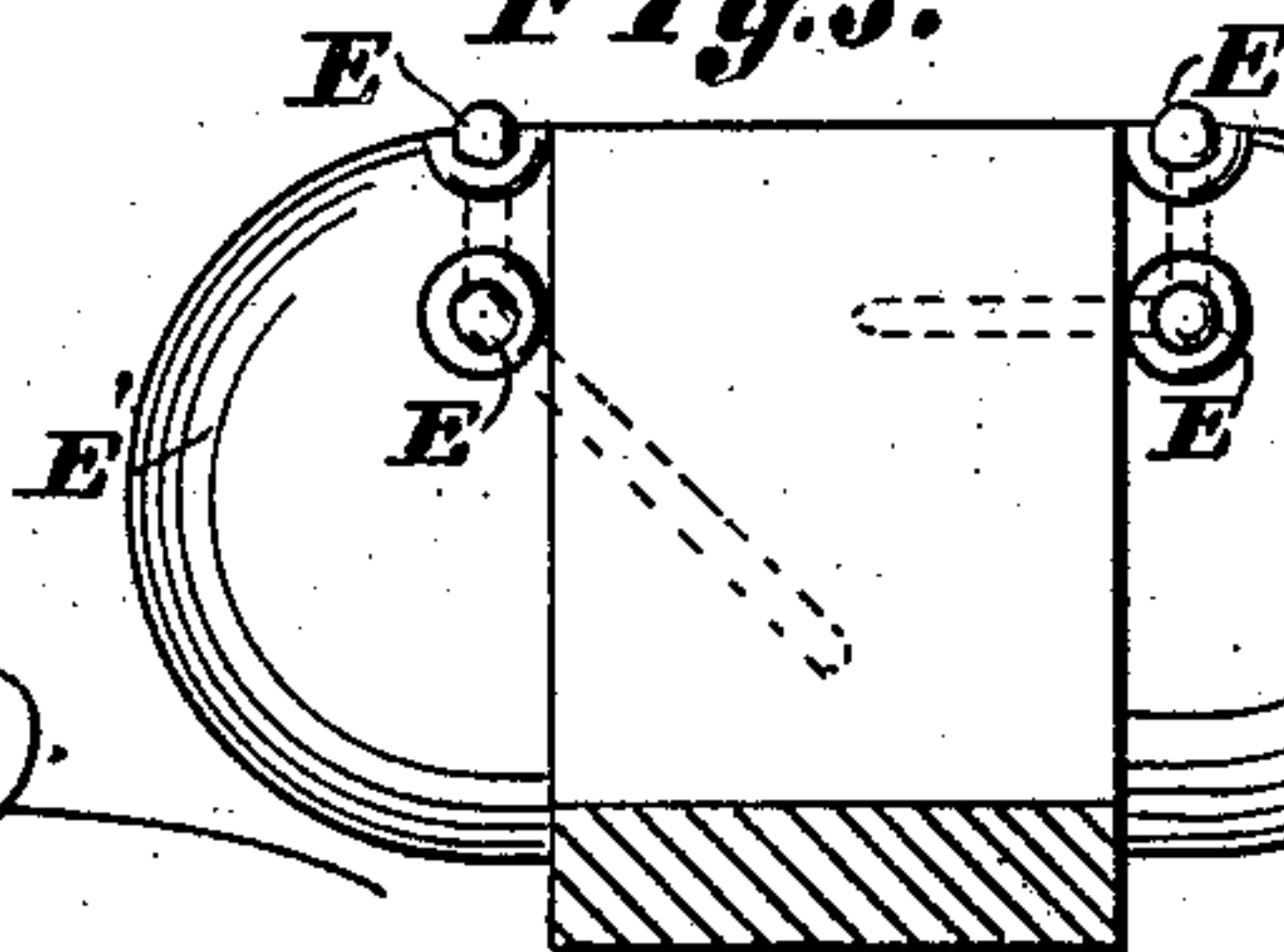


Fig. 5.



Attest:

Charles Pickles
Geo. H. Knight

Inventors:

Martin V. Kacer
William J. Kriz
By T. Wright Bros

Atty.

UNITED STATES PATENT OFFICE.

MARTIN V. KACER AND WILLIAM J. KRIZ, OF ST. LOUIS, MISSOURI.

FIRE-ARM.

SPECIFICATION forming part of Letters Patent No. 273,283, dated March 6, 1883.

Application filed January 16, 1882. (No model.)

To all whom it may concern:

Be it known that we, MARTIN V. KACER and WILLIAM J. KRIZ, both of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Fire-Arms, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

Our invention relates to a breech-loading double-barreled shotgun; and our improvement consists mainly in separating the barrels by a broad web, and locating within this web two rifle-barrels, one over the other, so as to be between the two shot-barrels, and not therefore distorting the appearance of this form of fire-arm, as hereinafter more fully described.

Our improvement consists, further, in a peculiar construction of hammer especially adapted to this form of fire-arm.

Figure 1 is a view of the breech end of the barrels. Fig. 2 is an end view of the muzzles of the barrels. Fig. 3 is a detail side elevation, showing part of the stock with the barrels secured and in their loading position, and Fig. 4 is a top plan of same. Fig. 5 is a section on line 5 5, Fig. 3. Fig. 6 is a detail top view of one of the hammers, showing the manner of securing the sliding firing-block thereto. Fig. 7 is a horizontal section of a hammer on line 7 7, Fig. 8, showing a means for securing the firing-block from vertical movement; and Fig. 8 is an enlarged detail side elevation of the hammer, showing the sliding block.

A represents the stock of the gun, to which the barrels are secured in any ordinary way.

B B are the shot-barrels, and C C the rifle-barrels. The shot-barrels are on a horizontal plane with each other, and between them is a broad web, *b*, in which are the rifle-barrels, one of which is vertically above the other.

In making the barrels we prefer to use one piece of metal, as it gives a stronger, cheaper, and lighter gun than it would were the barrels made of separate pieces of metal secured together by soldering or otherwise. The beads or sights are placed accurately over the rifle-barrels, as shown in Figs. 1 and 2.

A suitable extractor, D, which will engage with the rims of all four cartridges, is provided and operated in any well-known manner.

There are four firing-pins, E, located in the breech-block, one for each barrel.

We prefer to fire one shot and one rifle barrel with each hammer, as shown.

F F are the hammers. They have secured to their faces firing-blocks G G. These blocks are vertically adjustable, so that when it is desired to fire a particular barrel the block is adjusted up or down, so that it will strike the firing-pin of that barrel.

We prefer to secure the blocks to the hammers by dovetail joints, as shown. The blocks are prevented from slipping off the tenons of the dovetail by stop screws or pins H H.

I is a conical-headed pin, working in a small bore in the face of the hammer, to hold the block to its adjustment should there not be sufficient friction for the purpose in the joint. The pin is held out into contact with the block by a spiral spring, J, behind it. When sufficient pressure is brought upon the block the pin will retreat and allow the block to be moved up or down, as desired.

We are aware that double-barrel shotguns have had a rifle-barrel secured beneath the shot-barrels, and do not therefore claim such a device, broadly; but we are not aware that it has ever been proposed to construct the web of such a width and height between the barrels as to adapt it to receive rifle-barrels within it.

We claim as our invention—

1. A compound gun-barrel made in one piece of metal, with a broad web, *b*, and rifle-barrels located within the web, between the shot-barrels, substantially as described.

2. In a breech-loading fire-arm, the combination of shot-barrels B B and rifle-barrels C C, the firing-pins E E E E, and the hammers F F, each having a sliding block, G, vertically adjustable, as set forth.

3. The hammer F, block G, vertically adjustable thereon, catch I within the face of the hammer, and spring J, adapted to press the catch to engage with the block, in combination with firing-pins E E and suitable barrels, as set forth.

MARTIN V. KACER.
WILLIAM J. KRIZ.

Witnesses:

SAML. KNIGHT,
GEO. H. KNIGHT.