J. C. PETMECKY.

Breech-Loading Fire-Arm

No. 197,892. Patented Dec. 4, 1877

Fig. 1.

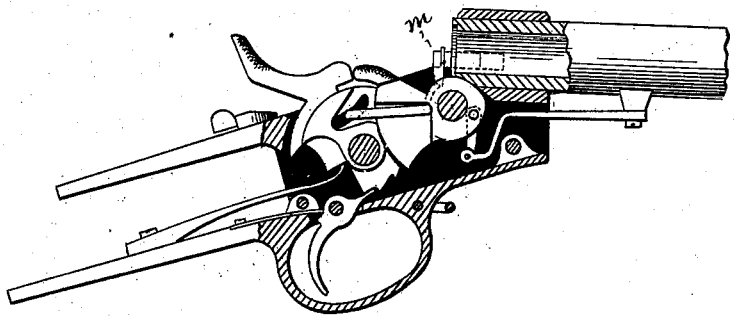


Fig. 3.

Fig. 2.

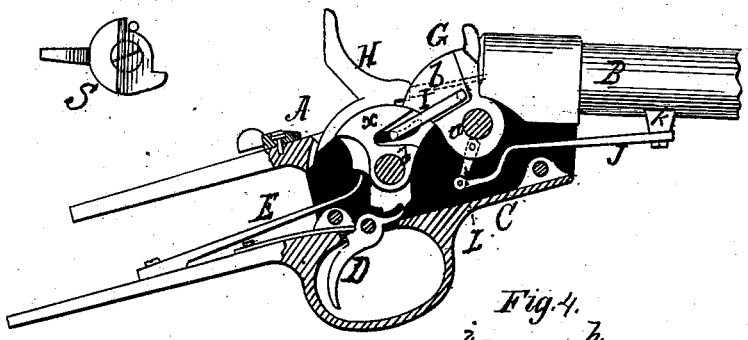
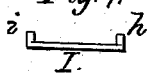


Fig. 4.



WITNESSES

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JOSEPH C. PETMECKY, OF AUSTIN, TEXAS.

IMPROVEMENT IN BREECH-LOADING FIRE-ARMS.

Specification forming part of Letters Patent No. **197,892**, dated December 4, 1877; application filed October 3, 1877.

To all whom it may concern:

Be it known that I, JOSEPH C. PETMECKY, of Austin, in the county of Travis and State of Texas, have invented certain new and useful Improvements in Breech-Loading Fire-Arms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to breech-loading fire-arms; and it consists in the devices for opening the breech-block and ejecting the cartridge-shell by one and the same motion that cocks the gun, and also in a spring and pitman arranged with the breech-block, all as hereinafter more fully set forth.

In the annexed drawing, to which reference is made, and which fully illustrates my invention, Figure 1 is a side view of the mechanism, with one side of the receiver removed, showing the arm in position ready for loading. Fig. 2 is a similar view, showing the breech-block closed and the hammer down. Figs. 3 and 4 are detailed views of parts of the invention.

A represents the frame, B the barrel, C the trigger-plate, and D the trigger, of the fire-arm. G is the breech-block, by which the chamber of the gun is closed, said breech-block being pivoted on a pin, *a*, and contains the ordinary firing-pin *b*. H is the hammer, pivoted on a pin, *d*, and E is the hammer-spring.

One side of both the hammer and breech is provided with milled cavities or recesses for the working of a connecting-link, I. This link consists, simply, of a metal bar provided at one end with a stud, *h*, which enters a hole drilled in the breech-block, and another stud, *i*, at the other end, which enters an angular or curved groove, *x*, in the side of the hammer.

On the under side of the barrel is dovetailed a block, *k*, to which one end of the breech-block spring J is fastened. The other end of this spring is, by a pitman, L, connected with the breech-block, the lower end of said block being slotted, and the end of the pitman pivoted therein.

When the hammer is raised to full-cock, the stud *i* on the connecting-link I moves up in the groove *x* in the hammer to the upper extremity thereof. When the hammer is moved beyond full-cock, the link I pulls the breech-block backward far enough to bring the pitman L beyond the center, whence the spring J will throw the breech-block with sufficient force to eject the shell, the stud *i* moving back in the groove in the hammer.

S represents a stop pivoted on top of the strap, back of the hammer, and provided or formed with a thumb or finger-piece for turning the same on its pivot. This stop is so constructed that by turning the same to the right it will prevent the hammer being raised beyond full-cock, thus enabling a man to cock the gun without ejecting the cartridge when the arm is loaded.

m is the ejector, of any suitable construction, arranged at one side of the chamber; but I may insert another ejector at the opposite side also, which would make the ejector more powerful.

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

1. In a breech-loading fire-arm, the link I, provided with the studs *h i* at its ends, in combination with the breech-block G, having a hole for the insertion of the stud *h*, and the hammer H, having a groove, *x*, for the working of the stud *i*, substantially as herein set forth.

2. The combination of the pivoted breech-block G, the pitman L, pivoted to one side of the center, and the spring J, all constructed and operating substantially as described, whereby, when the breech has been opened to a certain point, the pitman is changed to the other side of the center, and the breech-block is thrown open by the spring with sufficient force to eject the shell.

3. The combination of the breech-block G,

hammer H, and connecting-link I, constructed as described, with the pitman L and spring J, whereby the arm may be cocked, opened, and the shell ejected in one motion, as herein set forth.

4. The stop S, constructed and pivoted as shown and described, in combination with the hammer H, for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOSEPH C. PETMECKY.

Witnesses:

JOHN F. JONES,

O. H. CULLEN.