J. W. WILKINSON.

Breech-Loading Fire-arms.

No. 118,569. Patented Aug. 29, 1871.

Fig. 1.

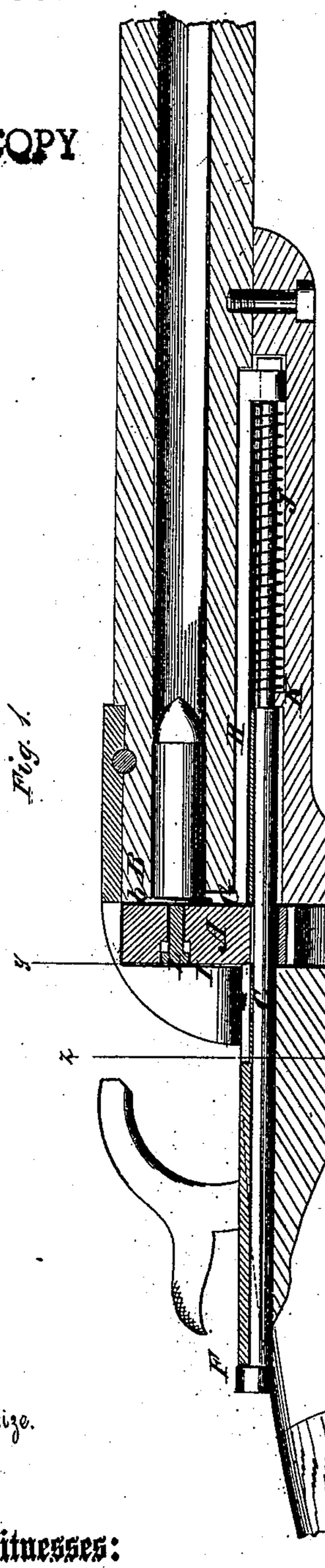


Fig. 3.

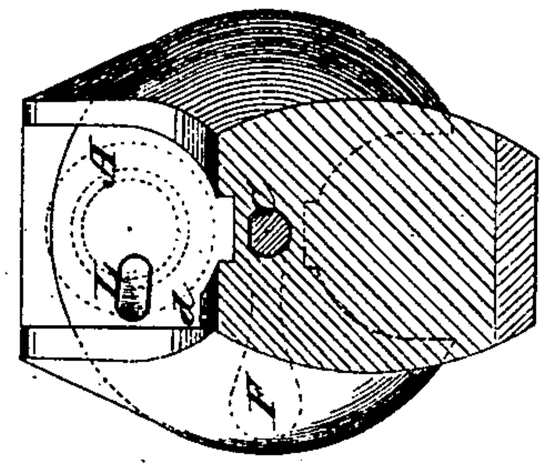
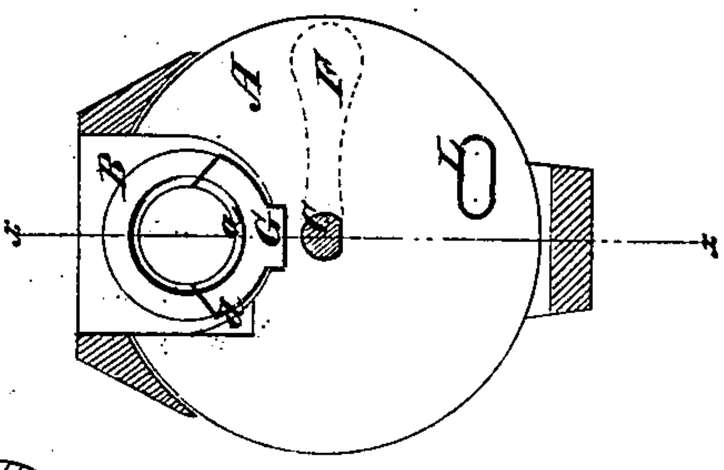


Fig. 2.



Scale Natural size.

Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN D. WILKINSON, OF PLATTSBURG, NEW YORK.

IMPROVEMENT IN BREECH-LOADING FIRE-ARMS.

Specification forming part of Letters Patent No. 118,569, dated August 29, 1871.

To all whom it may concern:

Be it known that I, JOHN D. WILKINSON, of Plattsburg, in the county of Clinton and State of New York, have invented a new and useful Improvement 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 make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention relates to improvements in breech-loading fire-arms; and it consists in a revolving disk at the breech of the barrel on a spindle arranged under the barrel to revolve and slide forward and backward, and extending a suitable distance behind the disk for being actuated by the hand used for pulling the trigger and cocking the hammer to revolve the disk for opening and closing the breech and discharging the shell, all as hereinafter described.

Figure 1 is longitudinal sectional elevation of the improved gun taken on the line *x x*. Fig. 2 is a section on the line *y y;* and Fig. 3 is a section on the line *z z*.

Similar letters of reference indicate corresponding parts.

A is the disk arranged at the breech of the barrel B on the spindle C, with one side fitting snugly against the breech to revolve back and forth about a half revolution, being a little more than twice the diameter of the breech, and the spindle being placed below the barrel and parallel with it, so that a radial cavity, D, in the disk, somewhat larger than the hole of the barrel, may be brought in front of and moved away from said hole to admit of introducing the cartridge when said cavity is in front of it, and to close the barrel for firing when moved away. The disk is supported against the force of the discharge by the walls I of a cavity in the stock in which it is fitted. The spindle has a handle or arm, F, at the rear end by which to turn it; also, to draw it backward for actuating the cartridge-ejector G, which is connected to the inner end of the spindle by a bar, H, fitted in a groove in the stock below the barrel and above the spindle to slide out and in. The said ejector C consists of a segment of a ring, having a recess or groove, *a*, in the inner edge, in which the rim *b* of the cartridge fits, and the ejector is fitted into a recess in the end of the barrel so that its front face is flush with the end of the barrel. A coiled spring, J, is arranged on the spindle C to throw it and the ejector back after being pulled out to eject the cartridge, one end of said spring bearing against the stud K of the stock and the other against the part of the bar H connected to the inner end of the spindle. The spindle is fitted in the axial hole of the disk so as to turn it and to slide freely in it. The disk carries a discharging-pin, L, for communicating the blow of the hammer to the cartridge, said pin being so placed that when the disk is adjusted for closing the barrel it will receive the blow of the hammer upon its outer end when said hammer strikes. The disk has a notch, *d*, cut in the outer face, as shown in Fig. 2, to receive the hammer if allowed to strike, when the said disk is turned to the position for admitting the cartridge.

It will be seen that this arrangement is very simple and cheap, and that the gun may be manipulated with great rapidity without taking it from the shoulder. After the trigger is pulled the hammer may be raised and the spindle turned without moving the hand away, and when the cartridge is applied the spindle and disk may be turned back by the thumb as the hand is placed in position for firing.

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

1. The combination of the notched disk, striking-pin, and spindle with the hammer and the barrel, substantially as specified.

2. The combination of ejector G with sliding-spindle C, arranged as and for the purpose specified.

JOHN D. WILKINSON.

Witnesses:

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