

J. W. GOODALE.

Fire Arm.

No. 90,741.

Patented June 1, 1869.

FIG. 1.

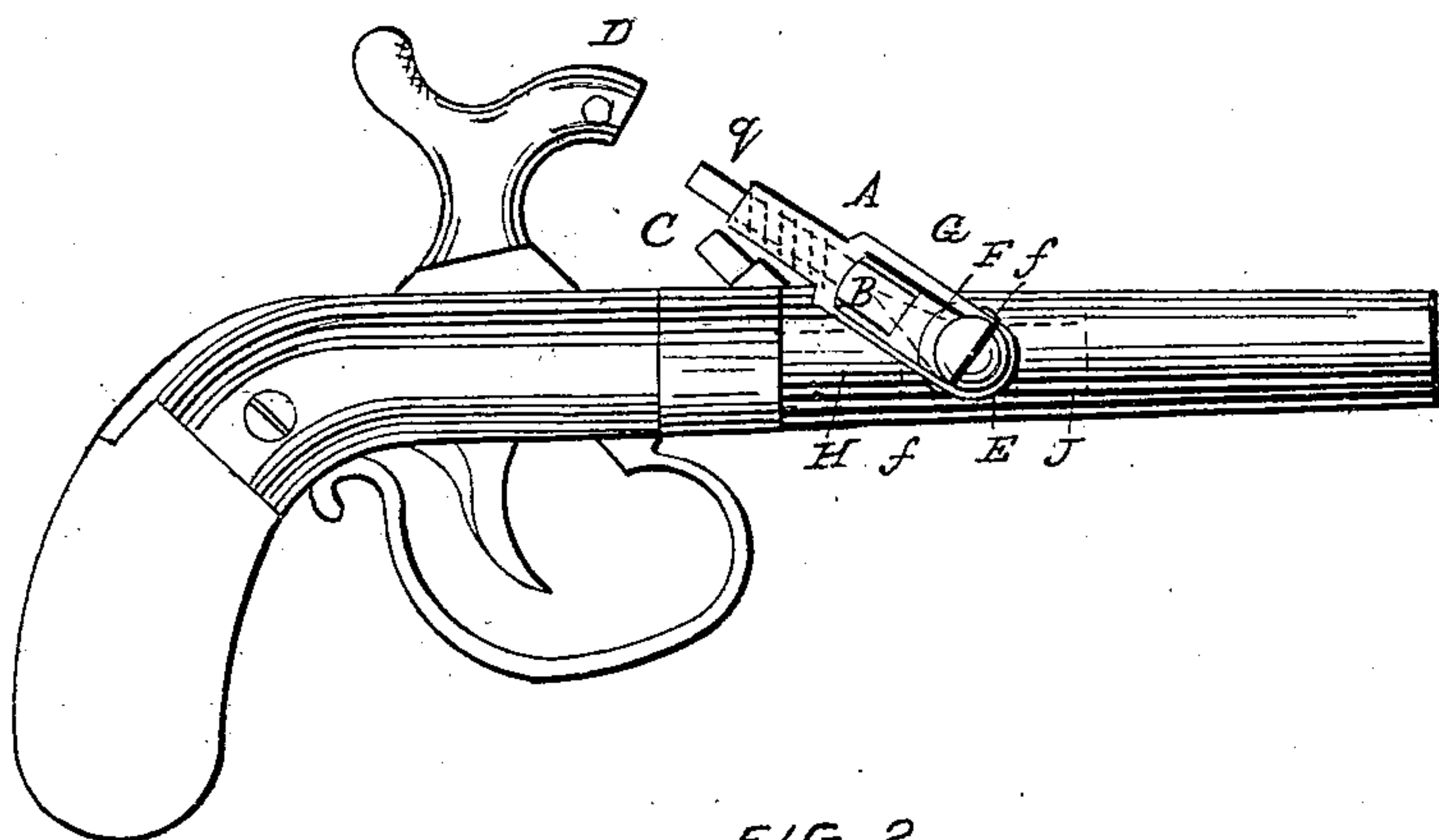
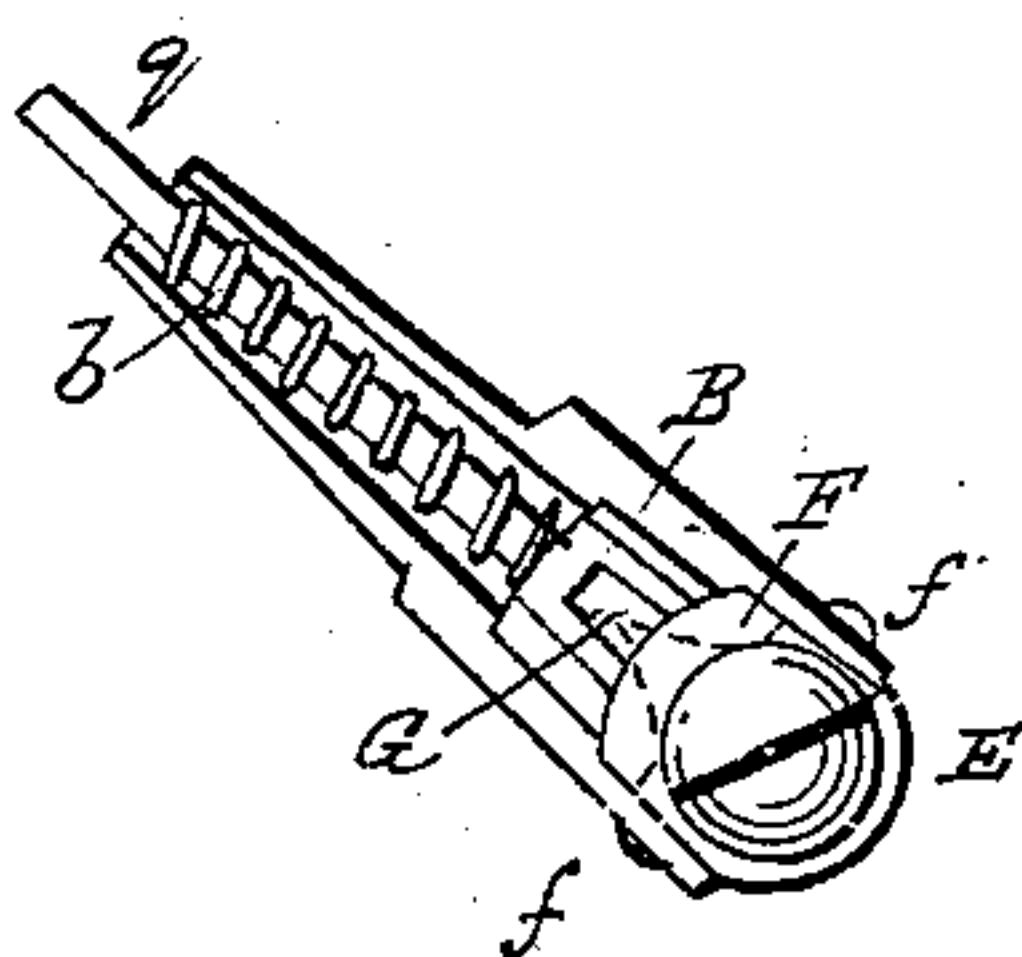


FIG. 2.



WITNESSES:

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United States Patent Office.

JOHN W. GOODALE, OF AMHERST, MASSACHUSETTS.

Letters Patent No. 90,741, dated June 1, 1869.

IMPROVEMENT IN FIRE-ARMS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN W. GOODALE, of Amherst, Hampshire county, Commonwealth of Massachusetts, have invented a new and useful improved Fire-Arm; and I do hereby declare that the following is a full and clear description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the drawings—

Figure 1 is a side view of a fire-arm having my improvement, and

Figure 2 is a detailed view of the same.

This invention consists of a repeating fire-arm, in which the charges are placed in the same barrel, one before the other, and fired by means of separate nipples, advanced to suit the charges.

In the drawings, A is the frame of an extension driving-rod, or firing-pin, *a*, by which the cap on the nipple G may be exploded by the hammer, which has a pin, D, extending from its side, which pin strikes upon the end of the firing-pin *a*, when the same is in position, as shown in fig. 1.

The pin *a* has a head, B, at the lower end, which rests upon the rubber washer F, around the nipple G, and so keeps the cap upon it, and furthermore, protects it from wet, in a similar manner as the hammer does upon an ordinary nipple.

Around the pin *a*, inside of the barrel of the frame A, is a spring, *b*, which, resting against the shoulder formed on the pin by the head B, and confined between this and the other end of the barrel, keeps the pin *a* always down upon the cap, except when removed by the hand.

The nipple G is arranged upon a collar, E, which

fits around the chamber L, the latter screwing into the side of the barrel at the point where the powder of the forward charge of powder is placed when the piece is double loaded.

The frame A is attached to the sides of the collar E, and thus the whole frame and firing-pin can be swung around out of the way when it is desired to fire off the rear charge by means of the ordinary nipple, C.

In order to put the cap on the nipple G, the frame A, with the firing-pin, is swung over from the barrel, the frame A being hinged at each side of the collar E by means of the screw-pins *f* and *f'*.

The advantages of this device are, that all the effect of a double-barrelled rifle or gun may be obtained from a single barrel, and without other expense than the application of the second nipple and firing-pin and the pin on the side of the hammer to the ordinary single muzzle-loading gun or rifle.

It applies equally well to cartridge or loose loads, and the patch of buckskin or leather is all that is necessary to keep the fire from communicating.

Now, having described my invention,

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

The arrangement, as shown and described, of the firing-pin, nipple, and frame, pivoted to the side of the barrel of a fire-arm, so that they can be swung off from the track of the hammer when it is desirable to fire the rear charge.

JOHN W. GOODALE.

Witnesses:

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