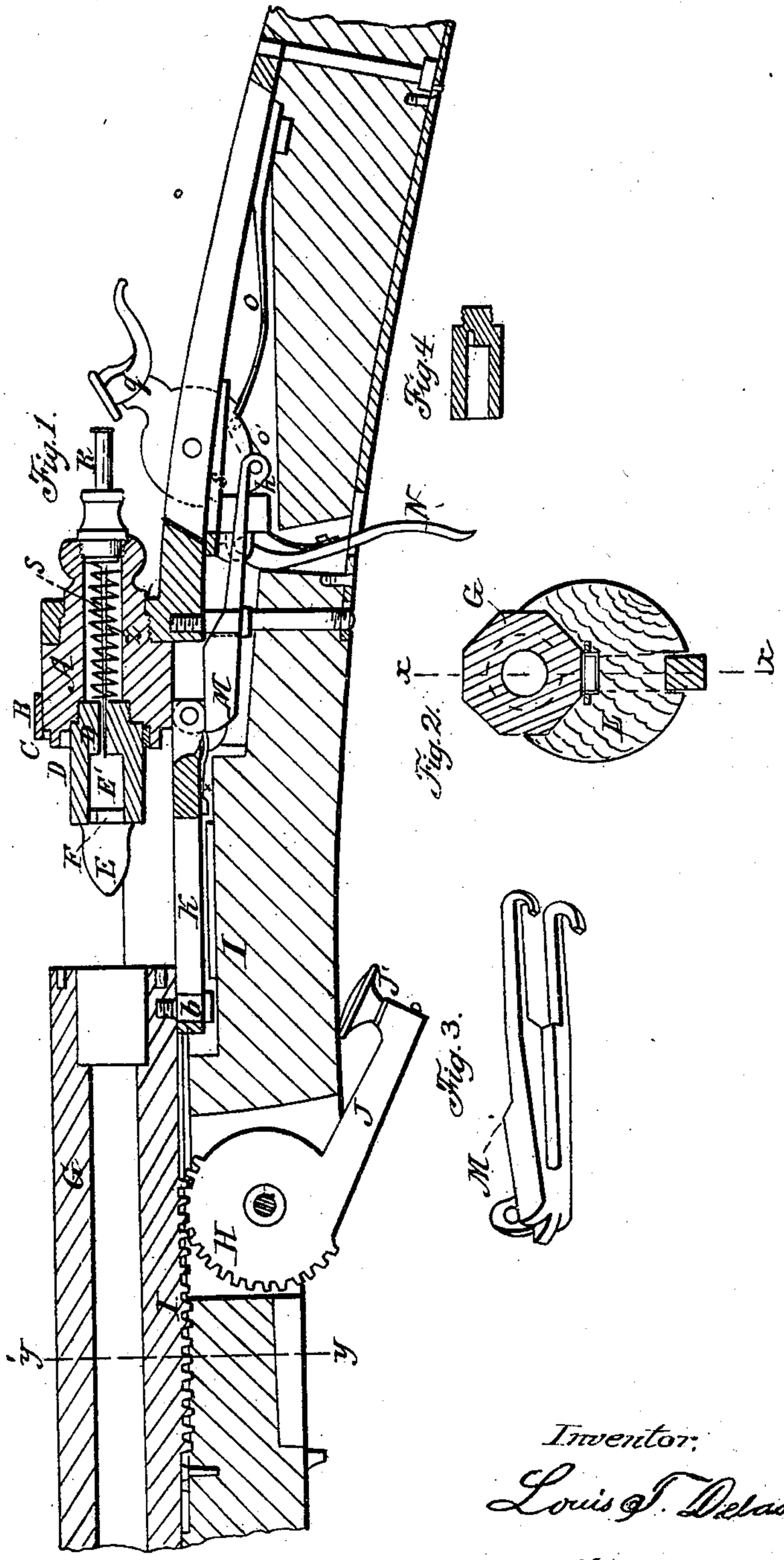
L. T. DELASSIZE.

Breech Loader.

No. 92,799. Patented July 20, 1869.



Witnesses.

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L. T. DELASSIZE, OF NEW ORLEANS, LOUISIANA.

Letters Patent No. 92,799, *dated July* 20, 1869.

IMPROVEMENT IN BREECH-LOADERS.

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, L. T. DELASSIZE, of New Orleans, in the parish of Orleans, and State of Louisiana, have invented a new and useful Improvement in 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 drawings, forming part of this specification.

This invention relates to new and useful improvements in fire-arms, and consists in the combination and arrangement of parts for cocking the same, as will be hereinafter more fully described.

In the accompanying plate of drawings—

Figure 1 represents a vertical longitudinal section of a gun, constructed according to my invention, the section being through *x x* of fig. 2.

Figure 2 is a cross-section of fig. 1, through the line *y y*.

Figure 3 is a detached view of the forked piece, which forms part of the lock.

Similar letters of reference indicate corresponding parts.

A is the breech.

B is a ring that closes the joint of the breech and the barrel.

C C represent a fillet to hermetically close, in a groove, the breech to the barrel, and prevent the escape of gas.

D is a thimble for containing the fulminate, and which receives the cartridge. An additional thimble is shown in fig. 4, detached, for adapting the gun to various uses.

E is the ball, in the cartridge.

E′ is the powder.

F represents the fulminate that ignites the front portion of the powder.

G is a section of the barrel, thrown forward from the breech.

H is a sector-pinion lever, which, operated with the rack I, causes the barrel to slide on its stock and ways back and forth.

J is the lever, and J′ is a button on the lever.

K represents sliding ways, on which the barrel slides in the stock L, and guides it to the breech.

N is the trigger.

O is the main-spring.

q is the hammer.

R is the piston, to which the needle *h* is attached.

S is a round spiral spring, which, as soon as the barrel is thrown from the breech and the hammer is raised, forces back the piston by its recoil, and consequently draws the needle from the thimble.

M is a forked bar, pivoted to the rear end of the sliding ways K, and extending toward the rear of the stock, to embrace the lower end of hammer, in such a manner that the hooks *o′*, upon the bar, shall catch over both ends of the transverse pin *p* when the hammer is down.

The ways are formed by a bar, K, slotted longitudinally, and connected to the rear end of the barrel by means of a screw-pin, *b*, fitting with easy contact within the slot.

The bar K has a slight longitudinal movement within the stock, its rear end working within a recess beneath the breech A.

In cocking the piece, the barrel G is first thrown forward, to insert a cartridge, until the screw-pin *b* strikes the forward end of the slot in the bar K, when it carries the latter with it, and consequently the forked bar M, which in its turn pulls forward the pin *p*, and raises the hammer.

The barrel is then thrown back into its place, to enclose the cartridge, and, when the pin *b* strikes the opposite end of the slot in the bar K, the latter is pushed back until it is arrested by the shoulder *c* of the breech.

Just before it reaches this point, however, the hooks *o′* clear the pin *p* upon the hammer, to enable the latter to be operated, and are thrown upward against the shoulder *s* of the breech by the action of the spring *x* upon the bar M.

In this manner the hammer is cocked by the bar M, and the latter moved out of the path of the pin *p* to permit the discharge of the gun.

By pressing on the trigger, the hammer strikes the piston R, which drives the needle through the powder till it reaches the fulminate and ignites the charge.

Having thus described my invention,

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

The combination of the forked bar M, having the hooks *o′*, the spring *x*, and pin *p*, with the slotted sliding bar K, and hammer *q*, all arranged and operating as described, for the purpose specified.

The above specification of my invention signed by me, this day of , 1869.

LS. T. DELASSIZE.

Witnesses:

LS. PESSAU,

A. A. LAFFERRANDERIE.