M. TROMLY.

Gun Lock.

No. 84,233. Patented Nov. 17, 1868.

Fig. 1.

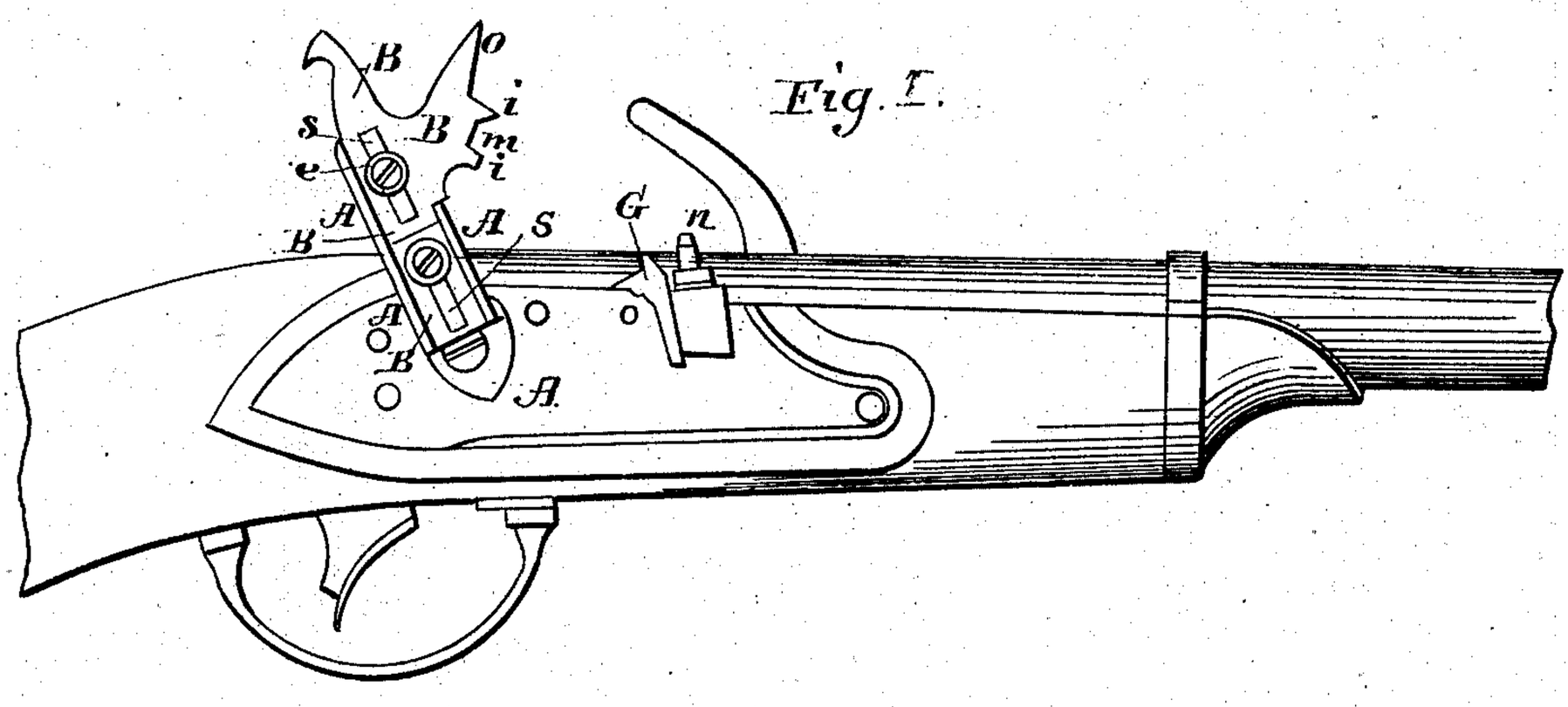


Fig. 2.

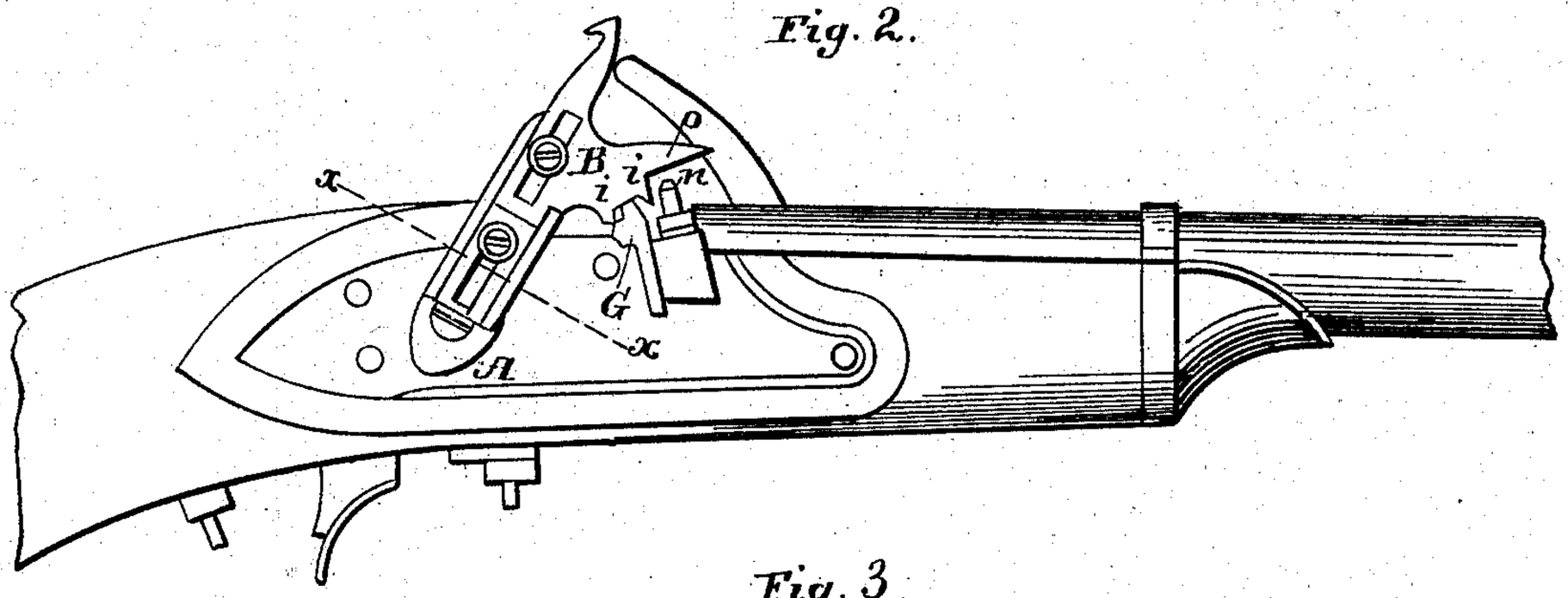
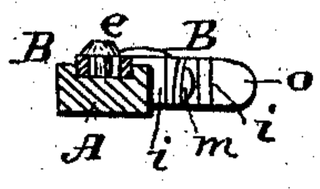


Fig. 3.



Witnesses:

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MICHAEL TROMLY, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 84,233, *dated November* 17, 1868.

IMPROVEMENT IN GUN-LOCKS.

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, MICHAEL TROMLY, of the city and county of Washington, in the District of Columbia, have invented a new and improved Safety-Lock for Fire-Arms; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side view.

Figure 2 is a side elevation.

Figure 3 is a cross-section through the hammer, taken in the line *x x* of fig. 2.

The nature of this invention consists in constructing the hammer in two parts, the upper one, containing the head, being so attached to the lower part that it can slide about a half inch upon the latter, and so operating that when the hammer is bent back to a "full cock," and sprung from that position, centrifugal force throws the head outward, so that it can strike the cap and explode it; but when let down by the thumb, or sprung from less than a "half cock," the head will not be thrown out in the manner described, but will strike upon a guard near the nipple, and be prevented from coming in contact with the cap. The hammer itself is so formed as to guard the cap when down.

In the drawings, A represents the lower part or shank of the hammer, and B the upper part, sliding freely about a half inch in a longitudinal guide-groove on the side of the part A, and held in position by headed pins or screws, *e e*, fixed to the part A, and extending through the part B, in slots *s s*, about half an inch in length, the heads of the pins or screws coming on the outside of the part B. In this way a very firm and substantial connection is made between the two parts, while the upper or movable part is free to slide up and down upon the shank B, or lower part.

n is the nipple, and G is a metallic guard just behind it, and projecting up nearly to the top of the nipple, at a distance of about an eighth of an inch from it.

The face of the hammer is formed with a recess, *m*, which comes in contact with the cap, to explode it, when centrifugal force throws the part B outward, as above described, but which, when the hammer is let gently down, or falls from less than a "half cock," strikes and rests upon the guard G. The shoulders *i i* keep the movable part B in place when thus resting upon the guard, while the projection *o*, formed as clearly shown in the drawings, extends over the cap, and protects it from injury.

Having thus described my invention,

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

1. A hammer, constructed with the parts A and B, operating together, substantially as described.

2. The combination of said hammer with the nipple *n* and guard G, in the manner set forth.

3. A hammer, constructed with the depression *m*, shoulders *i i*, and lip or projecting plate *o*, substantially as described.

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