

J. McCONNELL.
Toy-Pistol.

No. 201,189.

Patented March 12, 1878.

Fig. 1.

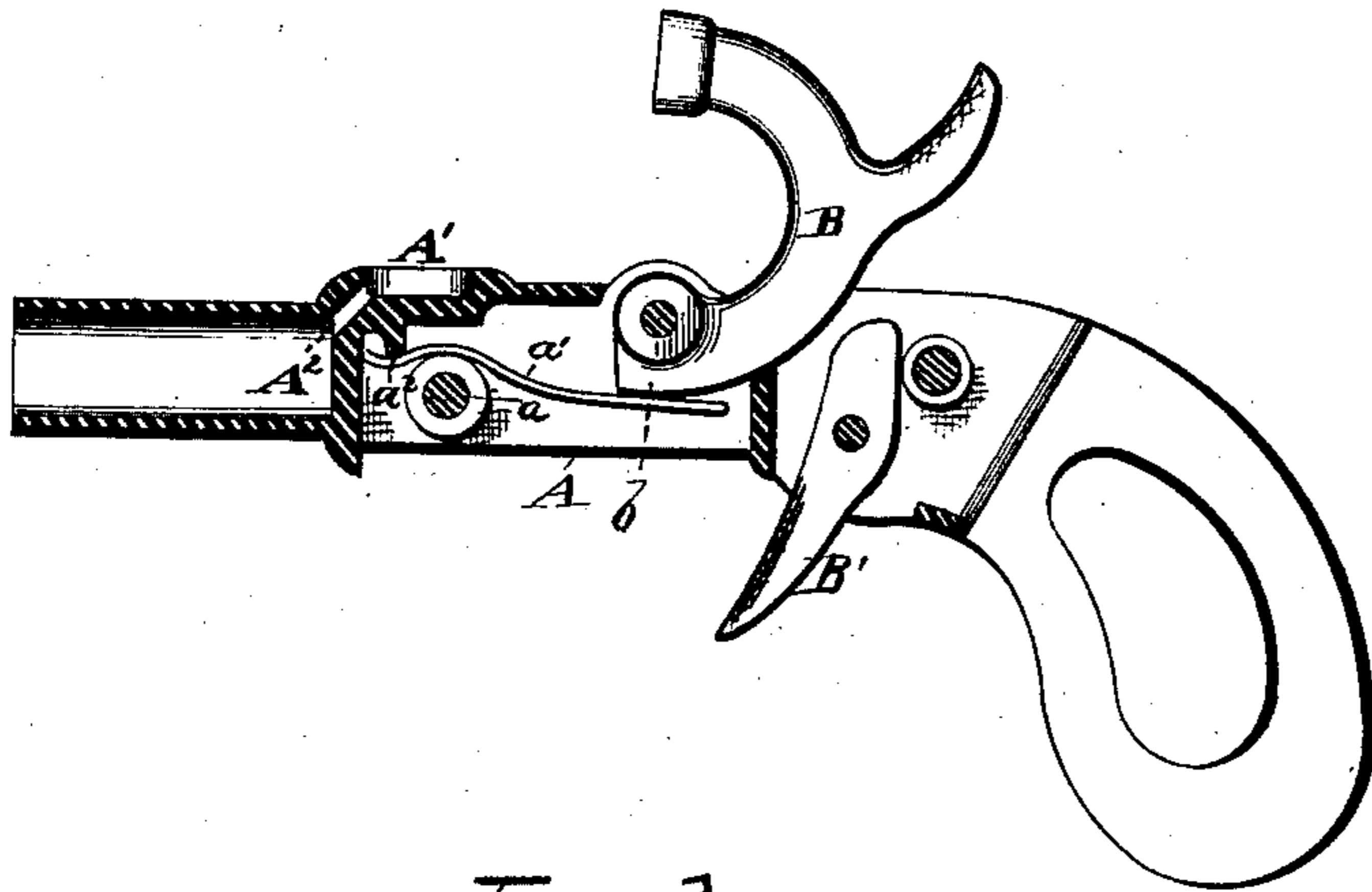
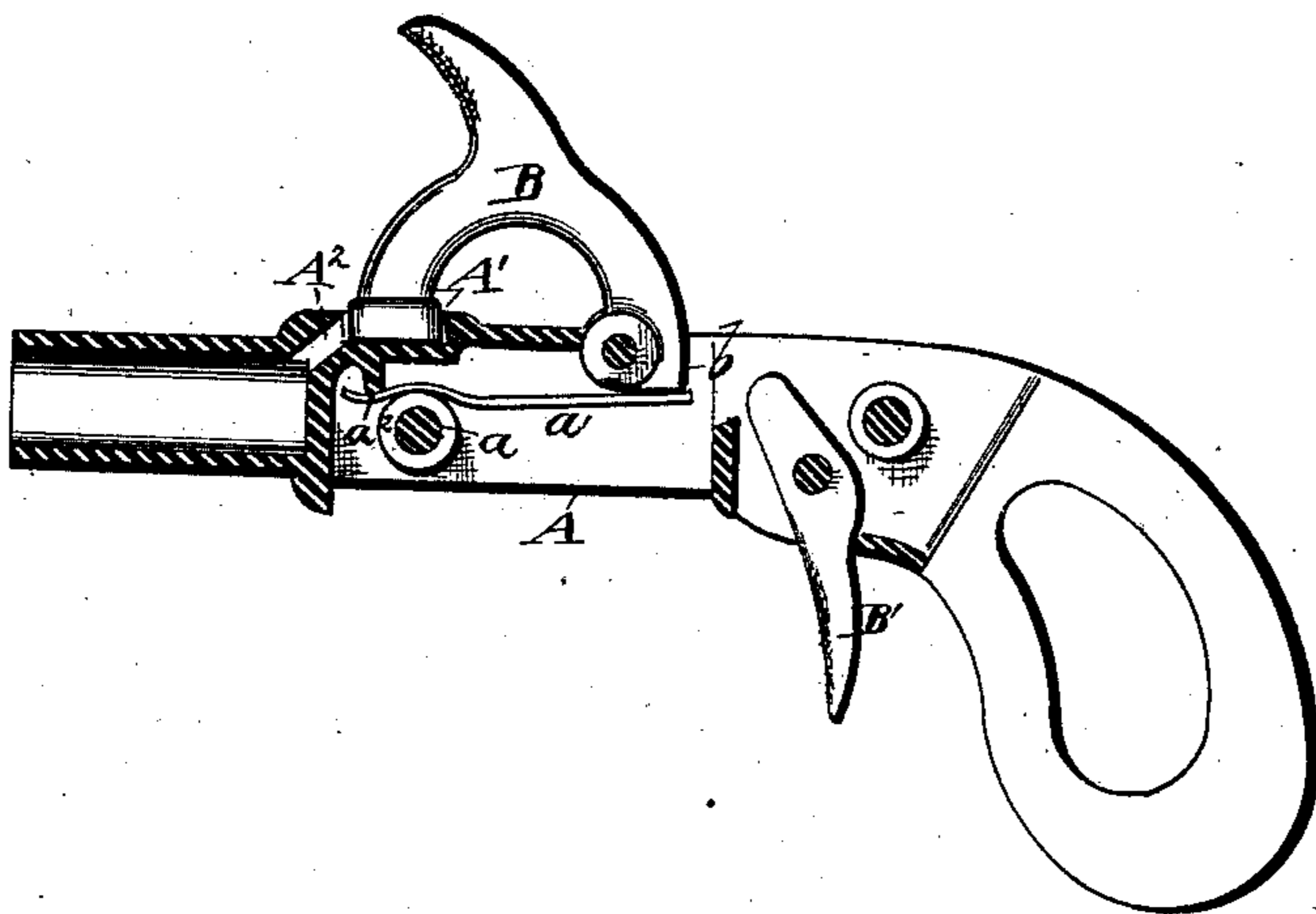


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN TOY PISTOLS.

Specification forming part of Letters Patent No. **201,189**, dated March 12, 1878; application filed February 8, 1878.

To all whom it may concern:

Be it known that I, JOHN McCONNELL, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Toy Pistols or Burglar-Alarms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to toy pistols, and likewise to burglar-alarms, inasmuch as said invention may be employed in one or the other capacity without any material modification or departure from my principle of construction.

The invention consists in the combination of parts made and adapted to operate as hereinafter described, and finally pointed out in the claims.

In the drawings, Figure 1 represents a side elevation of my device as adapted for a toy pistol, with sufficient parts removed to show its internal construction and arrangement of parts when in the "set" position. Fig. 2 shows the same at the instant of the explosion of the fulminate or cartridge.

A is the case or shell, made in two pieces, of cast metal, and so shaped that when joined together the parts shall not only be well housed and protected, but shall also be provided with their proper attachments and bearings.

B is the hammer, pivoted in the case A. This hammer is formed with a flat, or substantially flat, surface, *b*, which, as shown in Fig. 1, affords a bearing to the mainspring *a*¹ beneath it, said spring having an upward push. This spring is simply a piece of spring metal, preferably clock-spring, bent or hooked at one end, so as to engage with the lug *a*², whereby it is secured against longitudinal displacement. From this point the spring passes backward over the rivet *a* or its casing and under the hammer, where it freely terminates. It thus always exerts an upward push against the lug *a*² and the hammer.

When the hammer is drawn back to the set position, as shown in Fig. 1 of the drawings, it is maintained in said position by the mainspring, and its back rests against the upper end of the trigger B'. This trigger is essentially a lever of the first order, and is pivoted in the case A. Now, while the trigger is in

its set position, if it be drawn, its upper end will push forward the hammer until the mainspring can act to drive it to the position shown in Fig. 2 of the drawings, which will operate to explode the fulminate or cartridge. Said fulminate is placed in the cupped recess A¹; and this recess I prefer to make of a larger diameter at its bottom than its top, thus serving to firmly secure the fulminate wafer from accidental displacement, the overhanging walls of its chamber preventing its escape.

A² is a passage leading from the recess A¹ to the cavity of the barrel. By this provision, when the fulminate explodes, a portion of its explosive force is expended through the channel A².

If a light projectile be put into the barrel, it will be shot out a short distance by this explosion. Moreover, by permitting a portion of the explosive force of the fulminate to escape through this channel, there is less danger in handling the device.

When it is desired to use my invention as a burglar-alarm, it can be so used either in its pistol form, by suitably attaching it to the parts to be protected, so that when disturbed the fulminate shall be exploded; or the handle and barrel portions may be dispensed with, and a case made that shall simply accommodate the hammer, spring, and fulminate; and this modified case A can be provided with suitable screw-holes, or other means whereby the device may be attached, as desired.

What I claim is—

1. The combination, with the hammer formed with the curved rear body, of the trigger adapted to operate as a lever of the first order in engaging therewith, and the spring, which latter has a flat bearing against the hammer when set, substantially as set forth.

2. The combination, with the spring *a*¹, bearing *a*, and lug *a*², all located in the recess formed in the central body of the casing, of the hammer B, provided with the flat spring-bearing *b*, and the trigger B', substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN McCONNELL.

Witnesses:

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