

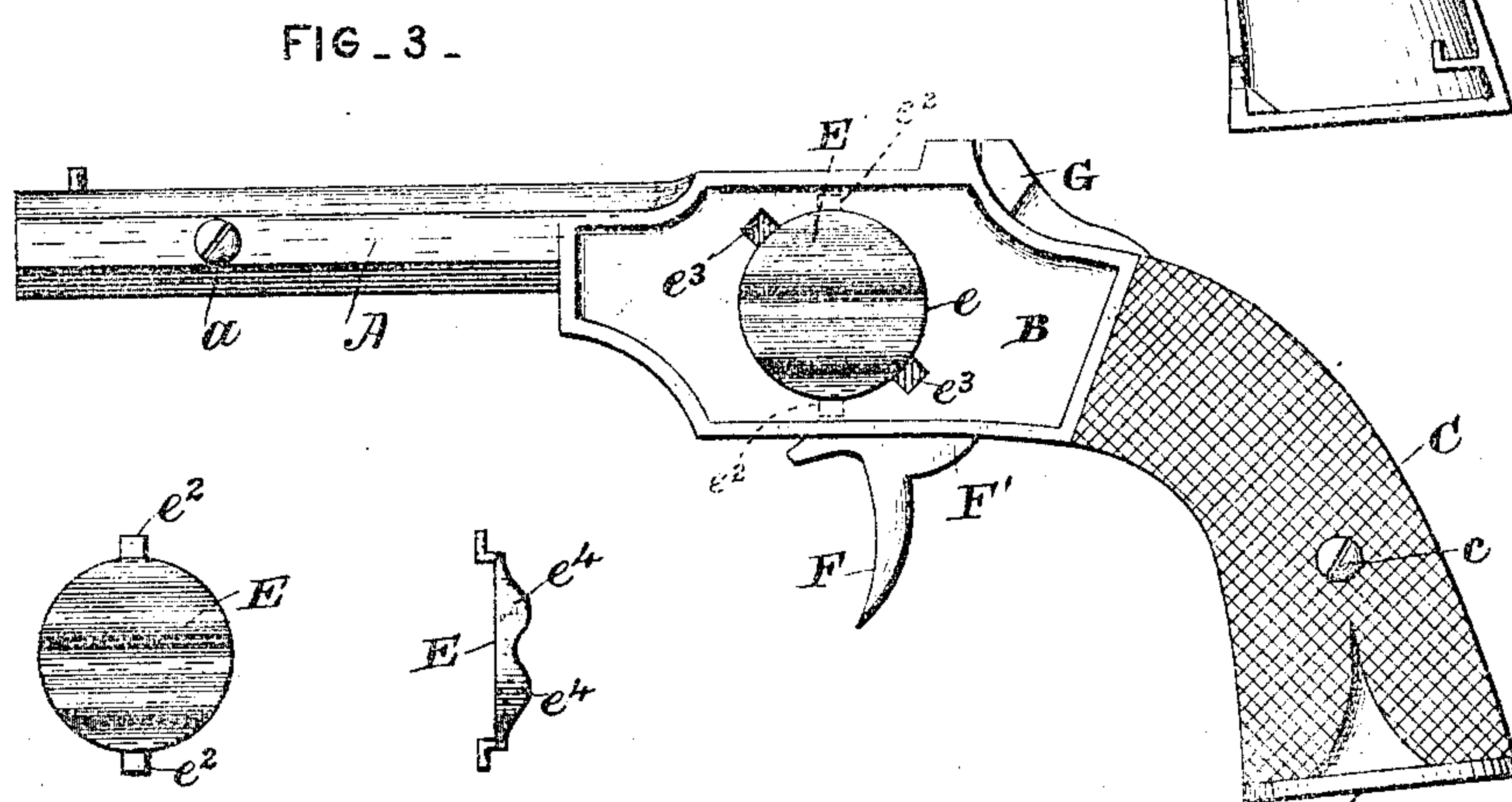
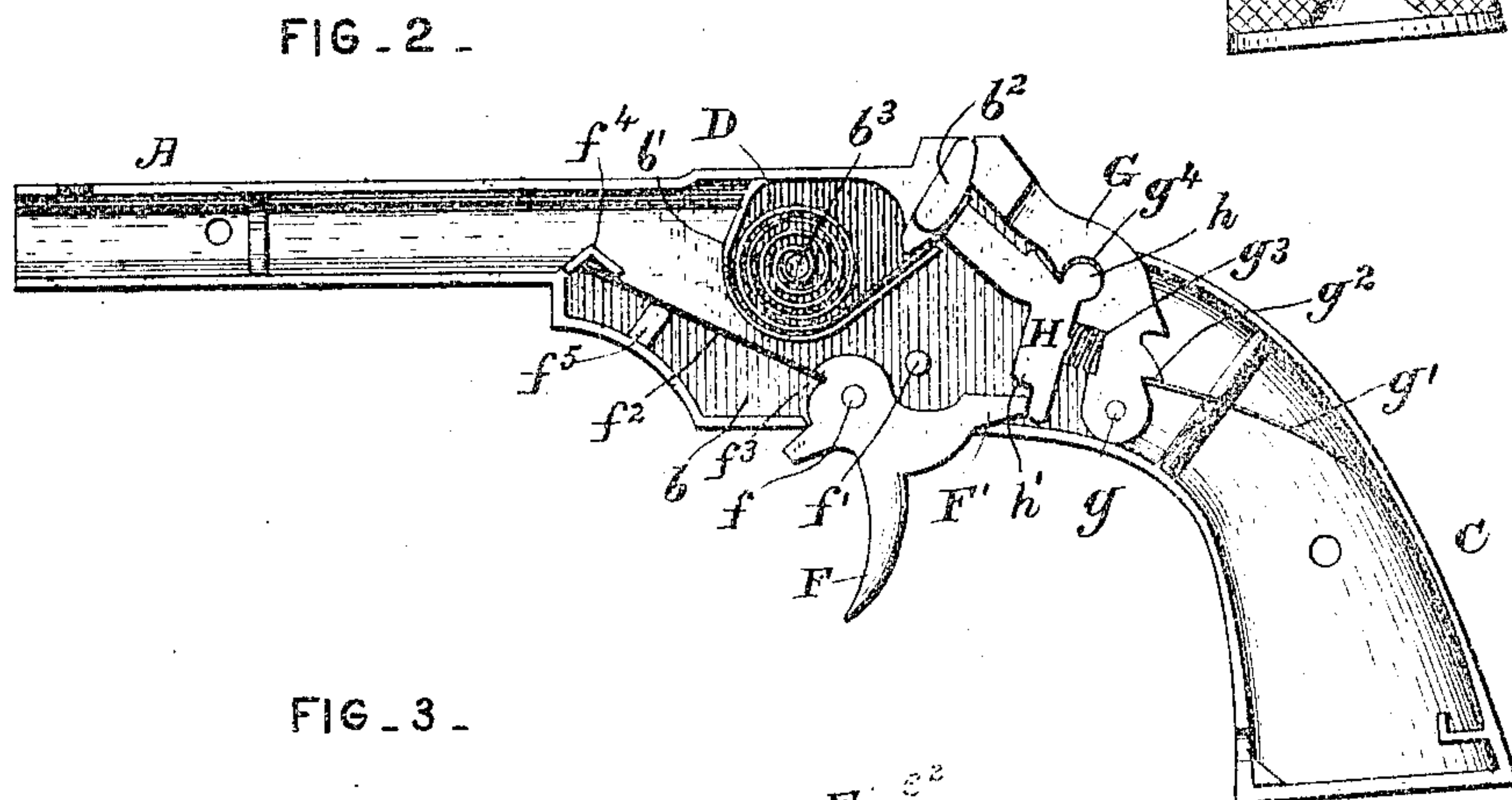
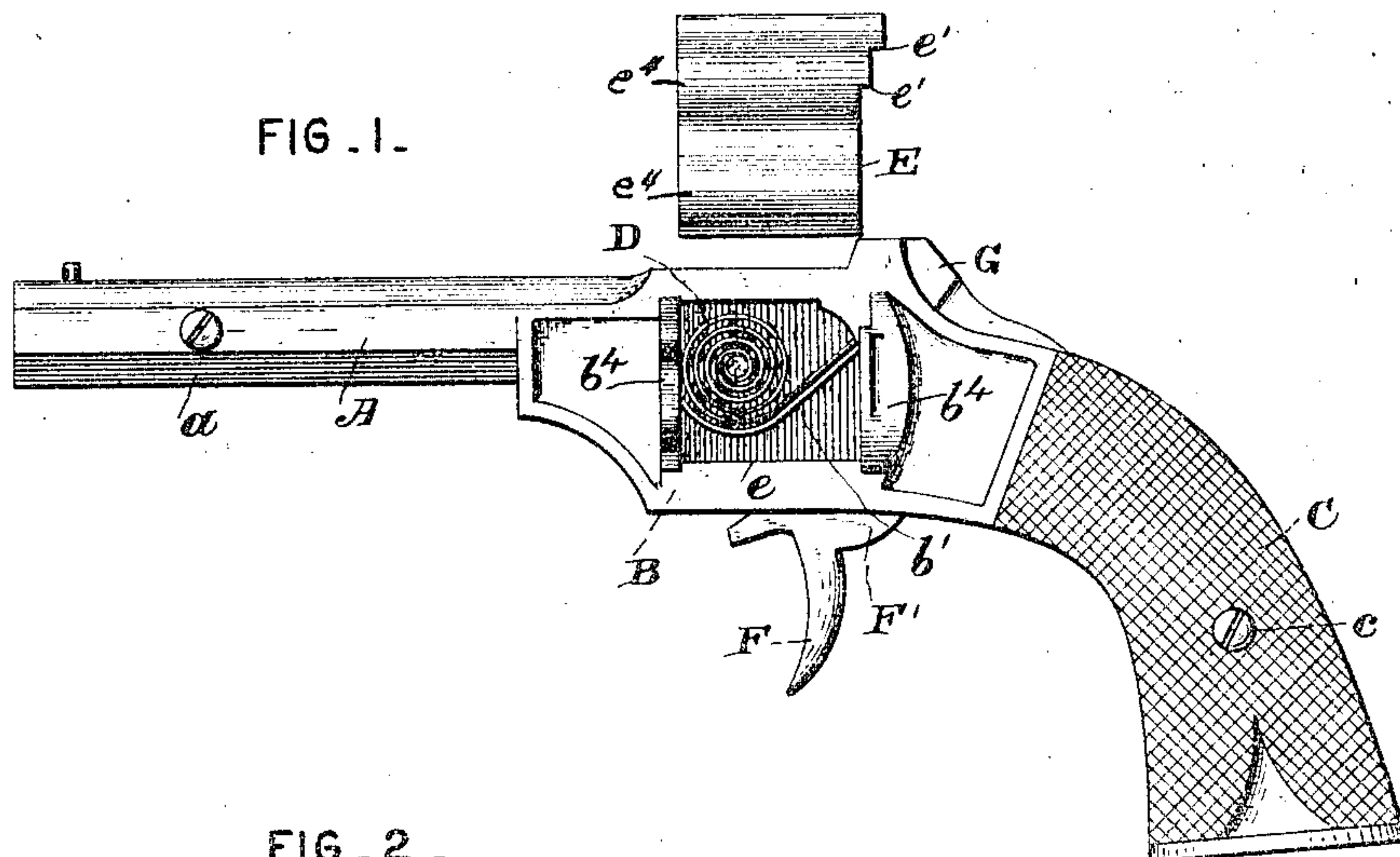
(No Model.)

W. S. CRUMP.

TOY PISTOL.

No. 370,378.

Patented Sept. 27. 1887.



Attest:  
Geo. T. Smallwood.  
Jns. L. Condron

Inventor:  
Walter S. Cromie  
By A. M. Smith  
att'y.



# UNITED STATES PATENT OFFICE.

WALTER S. CRUMP, OF WESTFIELD, NEW YORK.

## TOY PISTOL.

SPECIFICATION forming part of Letters Patent No. 370,378, dated September 27, 1887.

Application filed May 26, 1887. Serial No. 239,434. (No model.)

*To all whom it may concern:*

Be it known that I, WALTER S. CRUMP, of Westfield, county of Chautauqua, and State of New York, have invented a new and useful  
5 Improvement in Toy Pistols, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

My invention relates to that class of toy pistols which are supplied with strips or tapes  
10 for carrying the explosives or caps continuously to the hammer; and my invention particularly relates, first, to the construction of the chamber for holding the strip or tape; secondly, to the provision of a removable plate  
15 or cover for affording access to the interior of the chamber; thirdly, to the form and arrangement of the hammer, the objects of my invention being to attain simplicity and compactness of construction and certainty of operation.

To the above purposes my invention consists in certain peculiar and novel features of construction and arrangement relating to the parts above designated, as hereinafter particularly described, and specifically pointed out in  
25 the claims.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in  
30 which—

Figure 1 is a side elevation of my improved toy pistol with the cover for the chamber in raised position. Fig. 2 is a similar view of the same, one of the half-sections of the barrel,  
35 chamber, and the butt-frame being removed. Fig. 3 is a side elevation of the pistol provided with a modified form of cover for the chamber, the cover being also shown detached in face and edge views in said figure.

40 In the said drawings, A designates the barrel, B the casing of the chamber, and C the butt, such parts being formed integrally in two half-sections extending longitudinally of the pistol and connected together by screws or  
45 rivets  $a$  at the line of contact of said sections extending longitudinally through the middle of the pistol.

Within the chamber is located a rib or partition,  $b$ , which is approximately of U form,  
50 one end extending to the top of the chamber-casing and the opposite or rear end extending backward and upward nearly to the lower end

of a lug,  $b^2$ , as shown. The rib  $b$  and lug  $b^2$  are formed integrally upon the inner face of the closed wall of the chamber. The stud  $b^3$   
55 is also formed integrally upon the inner side of the said chamber-wall, and serves to receive and support the spirally-wound tape or strip D, as shown.

E designates the removable cover or cap of  
60 the chamber. In Fig. 1 this cover is shown as of rectangular form, to fit over an opening,  $e$ , of approximately-similar form in the side of the casing B opposite to its closed side. In this arrangement the cover slides between two  
65 lugs,  $b^4$   $b^5$ , which are formed on the front and rear margins or edges of the opening  $e$ , and said cover has shoulders  $e'$   $e''$  to retain it between the lugs. In Fig. 3 the cover E is shown as of circular or disk form and provided with two op-  
70 positely-disposed radially-extending angular lugs,  $e^3$ , on its margin. In this instance the opening  $e$  is of circular form, and is provided with two radially-extending open slots,  $e^2$ , on its margin to receive the lugs  $e^3$  of the cover.  
75 Thus it will be seen that in either form of the cover it may be readily removed for the insertion of the strip or tape. Ribs  $e^4$  are formed on the outer face of the circular cover E, to afford a hold upon the cover in turning it when  
80 removing or replacing the same.

F designates the trigger, which is pivoted upon a stud,  $f$ , formed integrally with the closed wall of the chamber, and the backward movement of which is limited by the stop or  
85 stud  $f'$ , also formed integrally upon said wall. A straight spring,  $f^2$ , is provided for retracting the trigger, one end of said spring engaging beneath a shoulder,  $f^3$ , on the upper end of the trigger, the opposite end of said spring  
90 engaging beneath a lug,  $f^4$ , in the front part of said chamber, while the spring is sustained by a rib,  $f^5$ , near the lug  $f^4$ .

G designates the hammer, which is pivoted at its lower end upon a stud,  $g$ , and is thrown  
95 down by a flat motor-spring,  $g'$ , the front end of which engages beneath a shoulder,  $g^2$ , on the hammer. This hammer is of segmental form, as shown, and is convexed on its rear or outer edge, so that when down it shall nearly  
100 correspond with the general contour of the upper part of the butt and chamber, whereby accidental cocking of the hammer is avoided.

H designates the dog for feeding the tape to



the hammer. This dog is of V shape, and at its angle is formed with an enlargement,  $h$ , which enters a recess,  $g'$ , in the hammer. The upper end of this dog extends to the rear end of the rib  $b'$ , while its lower end is formed with a shoulder,  $h'$ , beneath which engages the end of an arm or extension,  $F'$ , of the trigger. A spiral spring,  $g^3$ , is interposed between the lower part of the dog H and the lower part of the hammer G, as shown. By virtue of this construction the pistol is self-cocking, and after the hammer falls the upper end of the dog rises from beneath the rear end of the rib  $b'$  and draws the tape backward toward the hammer, so as to bring a fresh cap into position to be exploded.

Thus it will be seen that the pistol is simple, compact, and durable in construction, and that its working parts are easily accessible and rapid in their action.

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

1. The combination, with the barrel A, chamber B, and stock C, constructed in two longitudinal sections, as described, of the U-shaped rib  $b'$ , extending upward and rearward toward the hammer, substantially as and for the purpose set forth.

2. The combination, with the barrel A, chamber B, and stock C, of the turning plate E, having lugs  $e^2$  and fitted removably into one side of the chamber, substantially as and for the purpose described.

3. The combination, with the barrel A, chamber B, and stock C, of the hammer G, having the recess  $g'$ , the dog H, having the extension  $h$ , the trigger F, having the extension  $F'$ , the projection  $b^2$ , located in the upper rear portion of the chamber, and the spring  $g^3$ , interposed between the hammer G and dog H, substantially as and for the purpose specified.

4. The combination, with the chamber and its rib or partition  $b'$ , of the hammer G, the feeding-dog H, the trigger F, having the extension  $F'$ , and the actuating-spring  $g^3$ , interposed between the dog H and the trigger G, substantially as described, and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 24th day of May, A. D. 1887.

WALTER S. CRUMP.

Witnesses:

F. W. CRANDALL,  
G. S. FLAGLER.