

No. 786,099.

PATENTED MAR. 28, 1905

C. P. CLÉMENT.
REPEATING PISTOL.

APPLICATION FILED APR. 3, 1903.

2 SHEETS—SHEET 1.

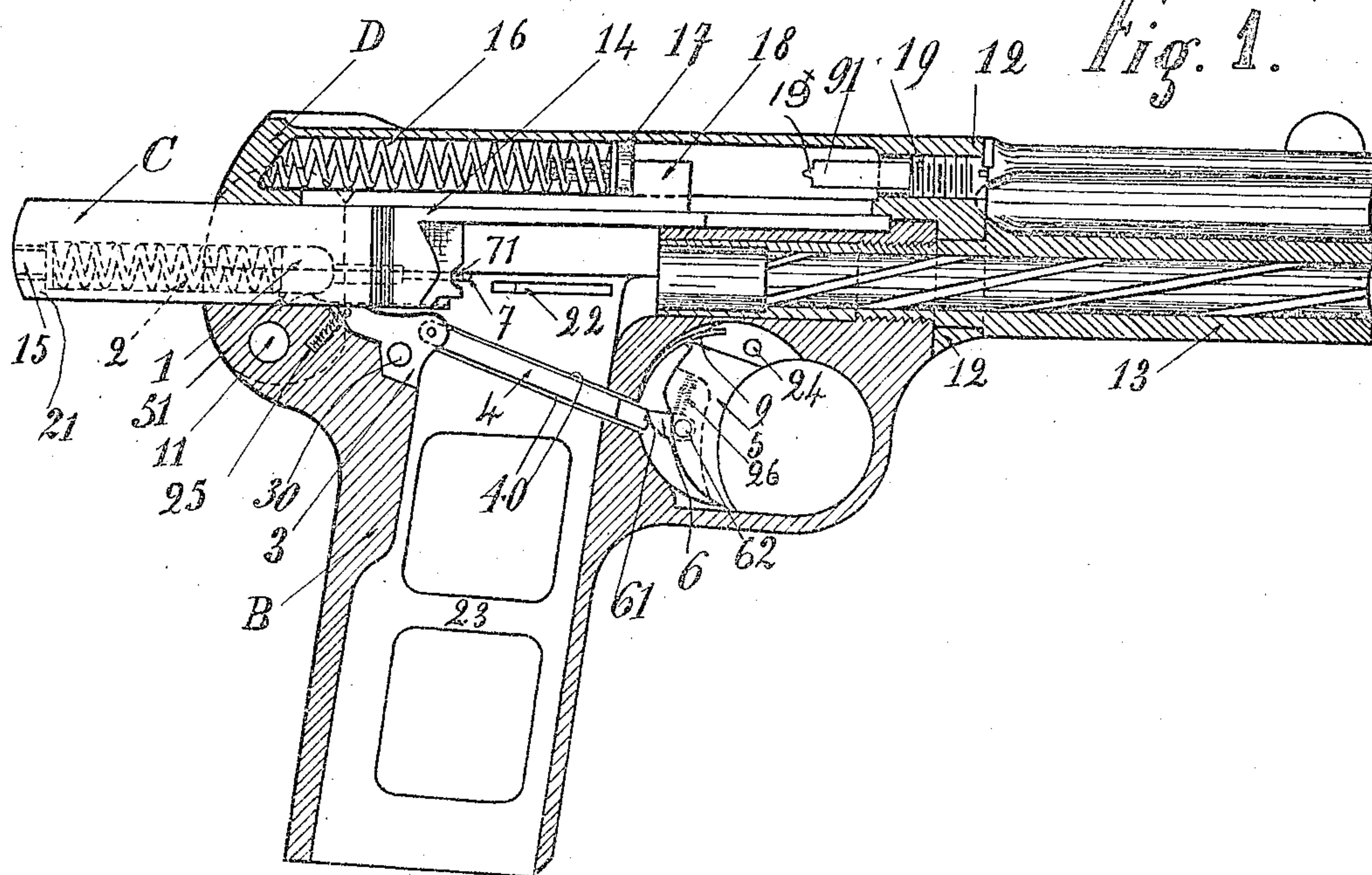


Fig. 2.

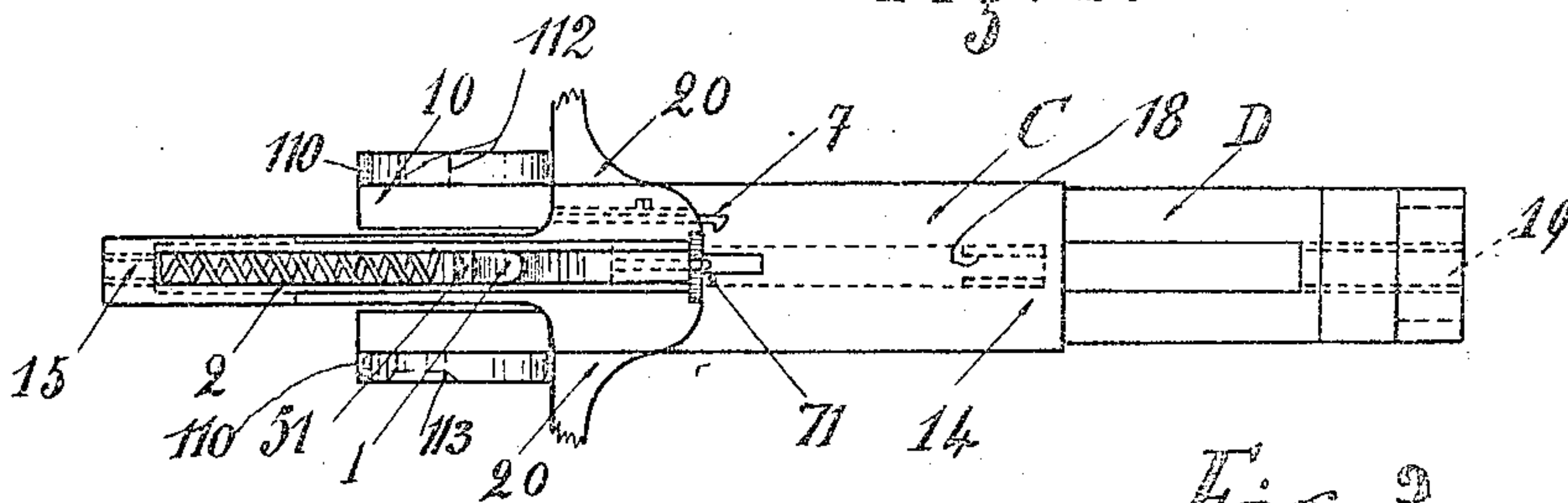
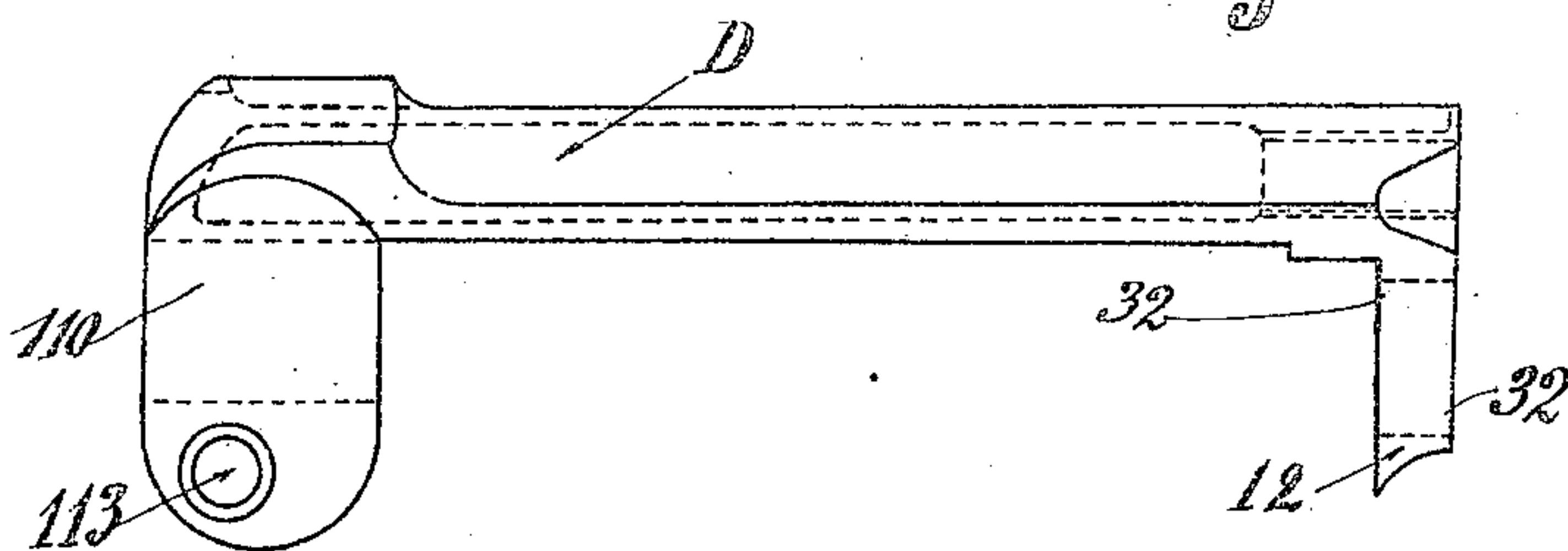


Fig. 3.



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2 SHEETS—SHEET 2.

Fig. 4.

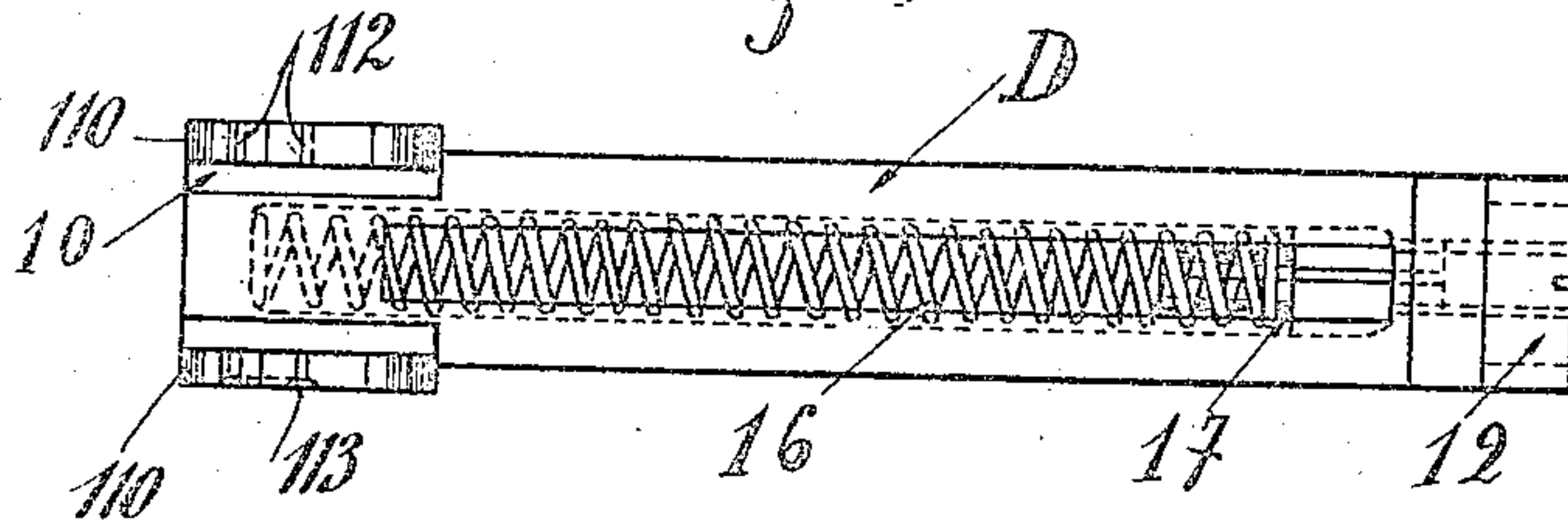


Fig. 5.

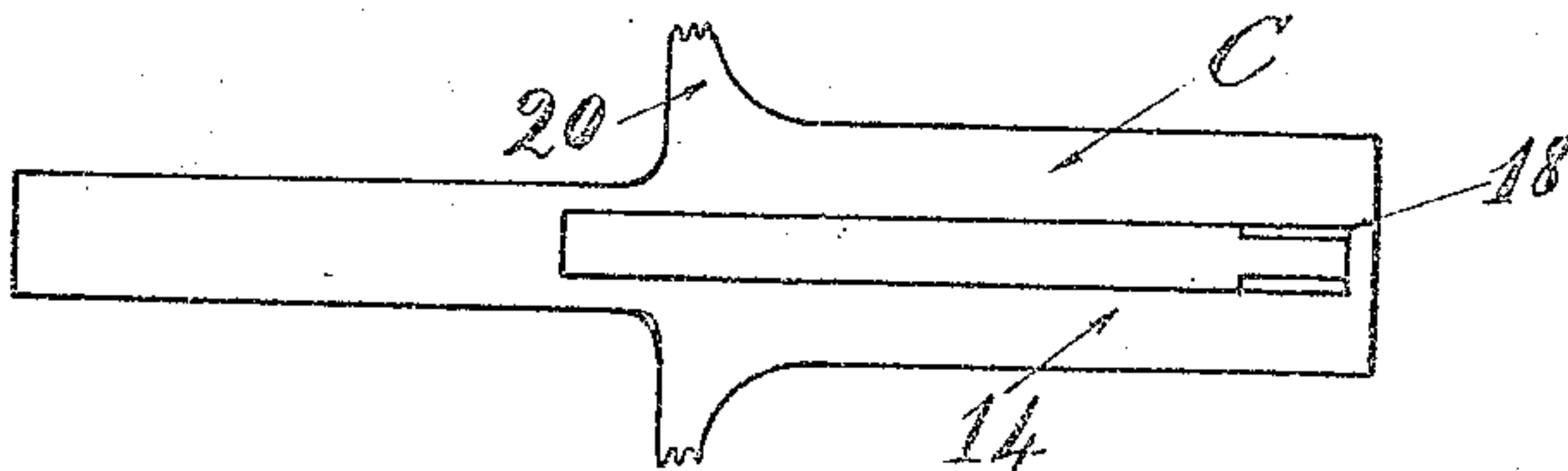


Fig. 6.

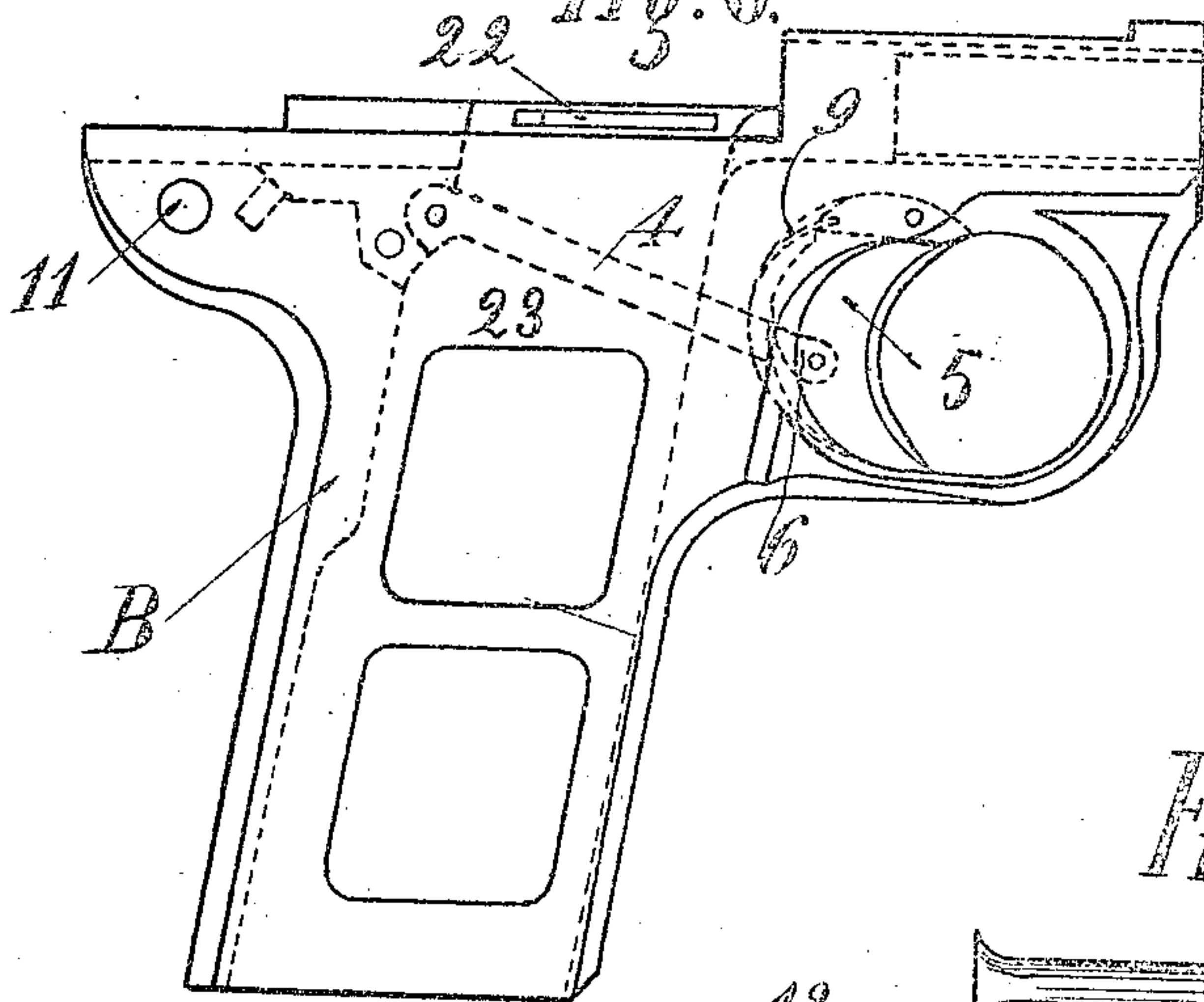
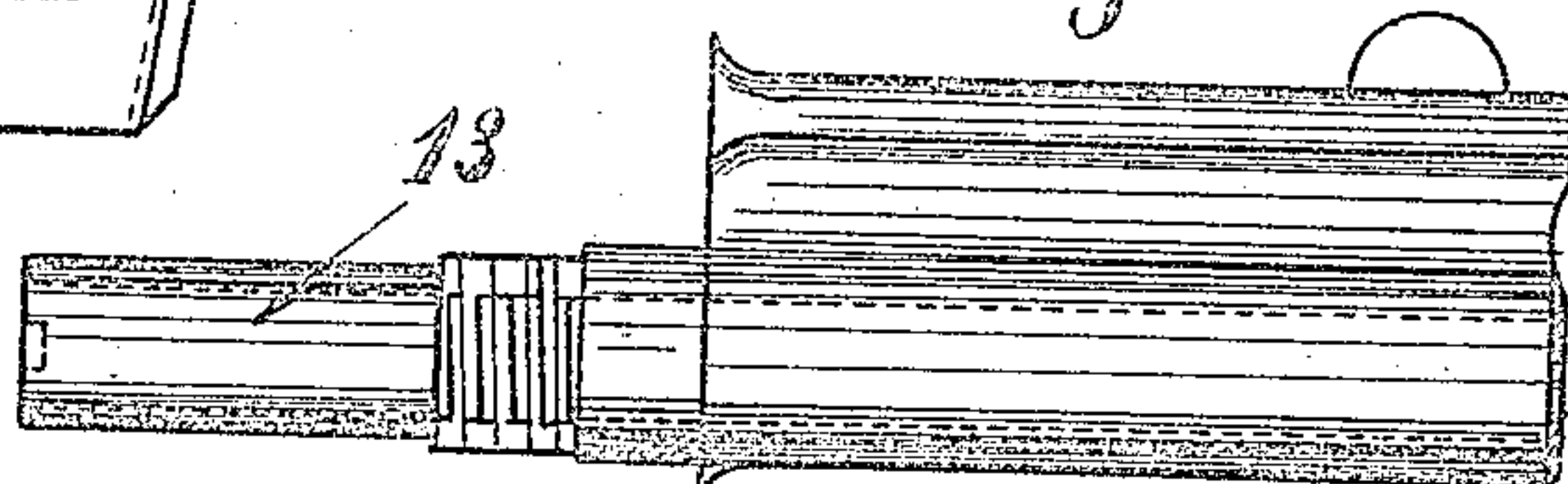


Fig. 7.



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UNITED STATES PATENT OFFICE.

CHARLES PHILIBERT CLÉMENT, OF LIÈGE, BELGIUM

REPEATING PISTOL.

SPECIFICATION forming part of Letters Patent No. 736,099, dated March 28, 1905.

Application filed April 3, 1903. Serial No. 150,930.

To all whom it may concern:

Be it known that I, CHARLES PHILIBERT CLÉMENT, a citizen of the Kingdom of Belgium, residing in Liège, Belgium, have invented certain new and useful improvements in Repeating Pistols, of which the following is a specification.

This invention relates to repeating pistols, and has for its object to provide a pistol which will comprise comparatively few parts of simple construction, the object of which is to insure a simple operation of the mechanism and by the small number of parts prevent the same from easily getting out of order.

For this purpose the invention consists in certain novel features and combination of parts, which will be more fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a longitudinal section of my improved repeating pistol. Fig. 2 is a bottom plan view of the cover-piece and breech-block. Fig. 3 is a side elevation of the cover-piece. Fig. 4 is a bottom plan view of the cover-piece. Fig. 5 is a top plan view of the breech-block. Fig. 6 is a side view of the frame of the pistol, and Fig. 7 is a side elevation of the barrel of the pistol.

Similar characters of reference indicate corresponding parts.

Referring to the drawings, B represents the frame of the pistol, provided with a magazine 23 in its lower part for the storage of cartridges. The frame B is provided at its front part with a barrel 13 (shown in elevation in Fig. 7) and at its rear part with a transverse opening 11. The cover-piece D for the pistol is provided at its rear part with two downwardly-extending lugs 110, each provided with openings 112 and 113, said lugs being adapted to press against recesses 10 of the frame. Said cover-piece is also provided at its front part with a downwardly-extending leg 12, provided with an opening 22 for the passage of the barrel 13. A screw-bolt (not shown in the drawings) is adapted to pass through the openings 112 and 113 of the cover-piece D and opening 11 of the frame of the pistol, by means of which the cover-piece D is held in position. The breech-block C is movable be-

tween the frame of the pistol and the cover-piece and is guided by the lugs 110 of the cover-piece, between which it moves. The breech-block C is provided with a plate 14, having two side lugs 20 to limit the rearward motion of the breech-block C, an extractor 7, and two upwardly-extending lugs 18. The firing-pin 1, provided with a point 71 at its front part and with a lug 51 at its lower side, is movable in the breech-block C, and a spring 2 is interposed between the firing-pin 1 and a stop 21, lodged in the rear part of the breech-block C. A spring 16 is placed in the cover-piece, and said cover-piece is provided with a slot for the passage of the lugs 18 of the breech-block C. A stop 31, provided with a screw-stud 19, is arranged in the front part of the frame of the cover-piece. This stop carries a flat tail 19^x, which passes between the lugs 18 of the breech-block, having for its object to keep the place for said lugs open when the cover-piece is taken away. The stop 17, the tail of which engages with the spring 16, presses against the lugs 18 when the breech-block is in place. A sear 3 is pivoted at 30 to the frame of the pistol and provided at its lower part with a spring 25, lodged in the frame of the pistol, and the sear is connected with a rod 4, pivoted to the sear and movable in guideways 40 of the frame. A trigger 5, pivoted at 24 and controlled by a spring 9, is provided with a pawl 6, pivoted at 62 to the trigger 5 and actuated by a spring 26, interposed between the pawl and the trigger. The pawl 6 is provided with a beveled end 61.

In order to discharge the pistol, the trigger 5 is compressed against the action of its spring 9, whereby the pawl 6, engaging the rod 4, actuates the sear 3, which is disengaged from the lug 51 of the firing-pin, releasing the same, and so permits the firing-pin 1 to move forwardly, due to the action of its spring 2, strikes the cartridge in the barrel 13, and so explodes the charge in the same.

When a shot is fired, the breech-block C, with the firing-pin 1, retreats under the action of the gases of discharge, and the extractor 7 of the breech-block engages a suitable recess in the rear portion of the cartridge, thereby extracting the same from the barrel 13, after

which by mechanism forming no part of this invention the force of the spring 16 throws the cartridge violently out of the receiver. The empty cartridge abuts against the ejector 5 22, which obliges it to swing to one side, which motion causes its expulsion. The rearward motion of the breech-block C compresses the spring 16 in its place and renders free the magazine in the frame of the pistol. This 10 rearward motion is stopped by the two lugs 20 upon the plate 14 of the breech-block, said lugs striking against the lugs 110 of the cover-piece. The rearward motion being stopped and the breech-block not being held, it moves 15 forwardly by the action of the spring 16. During this forward motion a fresh cartridge coming from the magazine is introduced in the barrel and the firing-pin is cocked, as has been explained above, and the pistol is again 20 cocked.

When the mechanism of the pistol is to be operated without firing, the breech-block is pushed backward with the hand by taking hold of the two lugs 20, and the cartridge 25 which is charged is taken hold of by the extractor 7, continuing its movement and being swung to the side by the ejector 22.

As the pawl 6 partakes of the movement of the trigger it necessarily leaves the end of 30 the rod 4 to follow the impulse imparted to the same by the spring 25. When the rose of the sear 3 has engaged the projection of the firing-pin, the rod 4 is brought back to its original position by the action of the spring 35 25. The pawl 6 cannot hinder this, because at this time it is located above the rod and is held there by the continued pressure of the finger on the trigger. When the finger ceases to press on the trigger, the trigger returns to 40 its original position by means of the spring 9. The pawl 6, situated above the rod 4, has been compelled in order to clear the rod to turn around its pivot 62, the action being facilitated by the beveled end 61 of the pawl. It re- 45 turns, however, into position by the action of the coil-spring 26, which presses on the pawl 6.

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

50 1. A repeating pistol, comprising a frame,

a cover-piece having a slot therein, downwardly-extending lugs at the rear of said cover-piece, a breech-block movable between said cover-piece and said frame and having upwardly-extending lugs entering the slot in 55 the former, side lugs on said breech-block cooperating with said downwardly-extending lugs of the cover-piece for limiting the movement of said breech-block, a spring-actuated firing-pin in said breech-block, means for re- 60 leasing the spring thereof, and a spring in said cover-piece for moving said breech-block in a forward direction.

2. A repeating pistol, comprising a frame, a cover-piece having a slot therein, a breech- 65 block movable between said cover-piece and said frame and having upwardly-extending lugs slidable in said slot, a spring in said cover-piece for moving said breech-block in a forward direction, a stop at the front por- 70 tion of said cover-piece, said stop having a flat tail passing between the upwardly-extending lugs on said breech-block for guiding the latter, a spring-actuated firing-pin in said breech-block, and means for releasing said 75 firing-pin.

3. A repeating pistol, comprising a frame, a cover-piece, a breech-block movable between said cover-piece and said frame, a firing-pin movable in said breech-block, a spring interposed between the rear end of said firing-pin and the rear end of said breech-block, a lug on said firing-pin, a spring-actuated sear for engaging said lug, a rod pivoted to said sear and slidable in an opening in said frame, a 85 spring-controlled trigger, a spring-actuated pawl pivoted to said trigger and operable to abut against the end of said rod, and a spring in said cover-piece for moving said breech-block in a forward direction and compressing 90 the spring of said firing-pin when the lug on the latter is engaged by said sear.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CHARLES PHILIBERT LÉMENT.

Witnesses:

GIBION EMILS,
EMILE HAM.