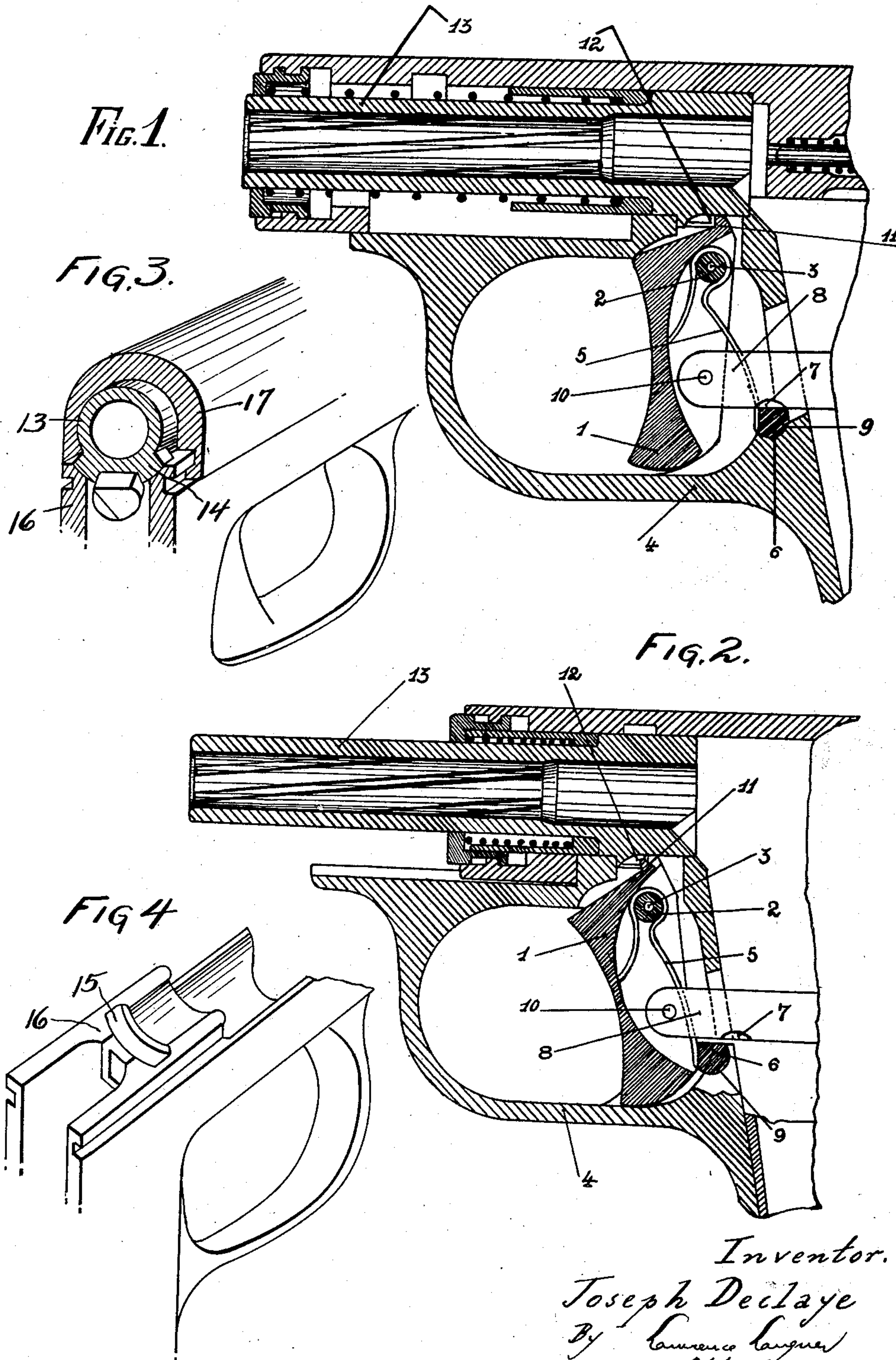


June 19, 1923.

1,459,285

J. DECLAYE
MEANS FOR SECURING THE BARRELS OF AUTOMATIC PISTOLS HAVING REMOVABLE
BARRELS

Filed March 25, 1921



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MEANS FOR SECURING THE BARRELS OF AUTOMATIC PISTOLS HAVING REMOVABLE BARRELS.

Application filed March 25, 1921. Serial No. 455,567.

To all whom it may concern:

Be it known that I, JOSEPH DECLAYE, a subject of the King of Belgium, residing at Liege, 32 Rue Adolphe Borgnet, Belgium, have invented certain new and useful Improvements in Means for Securing the Barrels of Automatic Pistols Having Removable Barrels (for which I have filed an application in Belgium May 2, 1918); 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked which form a part of this specification.

The present invention relates to means for preventing the rotation of the barrels of automatic pistols having fixed barrels put in position by a movement of rotation.

In automatic pistols of this type as constructed heretofore, it occasionally happens that the barrel shifts during the firing.

The present invention has for its object to prevent this defect. For this purpose the trigger is provided with a head which, when firing takes place, enters into a suitable groove provided at the back of the barrel, so that the latter cannot make the slightest rotary motion when the firer has commenced to pull the trigger.

The accompanying drawings represent, by way of example, one method of carrying out the invention. In these drawings:

Figure 1 is a section through the arm, the trigger being shown at rest.

Figure 2 is a similar section through the arm, the trigger being shown in the firing position, and the breech slide being at the end of its recoil stroke.

Fig. 3 is a section taken on the line 3—3 of Fig. 1.

Fig. 4 is a fragmentary view of a portion of the frame.

The barrel 13 is provided in its rear part with segmental ribs 14 adapted to enter a groove 15 in the frame 16.

In order to place the barrel 13 in its seat, the said barrel is placed in the movable breech 17 in such manner that the ribs 14

are located in the groove 18 provided in said breech, so that when the breech 17 is moved to the rear the ribs 14 can be introduced into the groove 15 of the frame 16.

In order to remove the barrel it is necessary to remove the securing ring 19 and to turn the barrel 13, after having moved the breech towards the rear to cause the groove 15 of the frame to register with the groove 18 of the barrel.

The ribs 14 pass from the groove 15 into the groove 18 whereby the barrel is disconnected from the frame and the breech can be removed with the barrel 13 by movement towards the front.

It results from this construction that when the two grooves 15 and 18 coincide at the end of the recoil movement the barrel 13 is susceptible of angular displacement, it only being maintained in position by the pressure of the spring 20.

The trigger 1 carries a sleeve 2 surrounding the pivot 3 fixed to the body 4. It is acted upon by a double-armed spring 5 suspended from the sleeve 2 and located in a groove made in the rear face of the trigger and bears upon the pivot 6 of a safety device placed adjacent the trigger. The safety device is in operation when the circular portion 9 of the pivot 6 enters the recess 7 of the bar 8 connected at 10 to the trigger 1. The trigger 1 is provided with a head 11 engaging in the firing position, with a groove 12 in the lower part of the barrel 13.

By the engagement of this head 11 in the groove 12 of the barrel 13, all movement of rotation and consequently all displacement of the barrel is prevented as long as the trigger does not return to its initial position.

What I claim is:

1. An automatic pistol having a fixed barrel provided with segmental ribs adapted to engage with and disengage from the frame by a rotary movement and comprising means controlled by the trigger for preventing the barrel from turning during the recoil as long as the trigger is acted upon for firing.
2. An automatic pistol having a removable barrel and comprising a trigger provided with a head engaging upon firing pull

of the trigger, with a groove in the barrel so as to prevent the latter from turning.

3. An automatic pistol having a fixed barrel provided with segmental ribs adapted to engage with and disengage from the frame by a rotary movement and comprising means controlled by the trigger for engaging with and preventing the barrel from

turning when the trigger is acted upon for firing.

In testimony whereof I affix my signature in presence of two witnesses.

JOSEPH DECLAYE.

Witnesses:

GEORGES VANDER HAUGHEN,
CHARLES MARELING.