

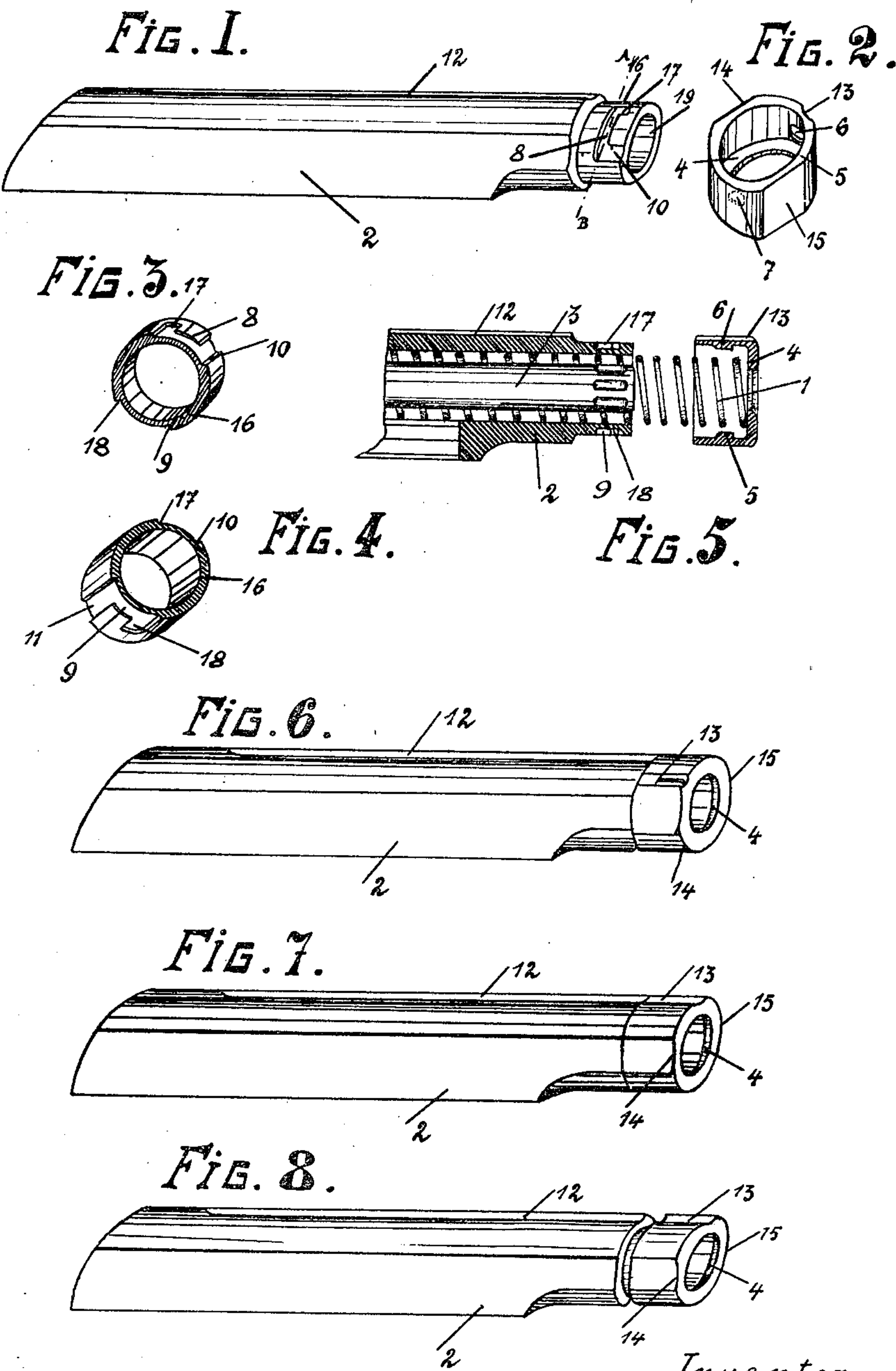
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J. DECLAYE

MOVABLE BREECH FOR AUTOMATIC PISTOLS

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MOVABLE BREECH FOR AUTOMATIC PISTOLS.

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To all whom it may concern:

Be it known that I, JOSEPH DECLAYE, a subject of the King of Belgium, residing at Liege, Belgium, 32 rue Adolphe Borgnet, have invented certain new and useful Improved Movable Breeches for Automatic Pistols; 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 references marked, which form a part of this specification.

The present invention relates to an automatic pistol comprising a movable breech in the interior of which the return spring is housed, and it particularly relates to pistols in which the return spring surrounds the barrel. It has particularly for its object to allow of the easy introduction and removal of the closure ring against which the return spring bears.

This closure means is constituted by a sleeve or ring adapted to be fixed on the front part of the movable breech and provided with an internal flange against which the end of the return spring bears. In one particularly advantageous form of the invention the said sleeve surrounds exteriorly the front part of the movable breech.

The securing of this sleeve is effected by means of a bayonet fastening. For this purpose the interior surface of the sleeve is provided with projections adapted to engage in grooves provided in the periphery of the front part of the movable breech.

In order to verify from the exterior if the said sleeve is in the desired angular position, it is provided, as well as in the movable breech, with indicating marks; these may advantageously be constituted by two grooves which, in the securing position, come into alignment so as to form the sight.

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

Figure 1 shows, in perspective, a movable breech.

Figure 2 shows, in perspective, the sleeve

intended for closing the front part of the movable breech.

Figure 3 is a section on A—B, Figure 1, showing, in perspective, the upper part of the front end of the movable breech.

Figure 4 is also a section on line A—B, Figure 1, but shows, in perspective, the lower part of the movable breech.

Figure 5 is a longitudinal section through the movable breech and through the sleeve, this latter being represented in its detached position.

Figures 6, 7 and 8 show the movable breech, the sleeve being placed in different positions.

The movable breech 2 comprises, at its front portion an opening 19 of a diameter such that it allows of the easy passage there-through of the return spring 1, in view of its introduction and removal. This opening is usually formed in a member 5 which is easily removable. This member 5 consists of a sleeve fixed on the upper part 16 of the breech 2 and which is provided with a flange 4 forming a bearing for the front end of the return spring 1 surrounding the barrel 3. The fixing of the sleeve 5 is assured by a bayonet fastening. For this purpose (Figures 2, 3 and 4) in the front portion 16 of the breech 2 are two arrangements of grooves corresponding to projections 6 and 7 on the interior surface of the sleeve 5. Each of these arrangements is constituted by a longitudinal groove (10 or 11) prolonged by a transverse groove (8 or 9) leading into a recess (17 or 18).

When placing the sleeve in position the projections 6 and 7 are respectively engaged in the grooves 10 and 11 and move longitudinally until they arrive opposite to the grooves 8 and 9; the sleeve 5 is then displaced angularly so that the projections 6 and 7 are moved to the ends of the grooves 8 and 9 opposite to the recesses 17 and 18. The parts being in this position, in order to cause the projections to engage the recesses 17 and 18, it is sufficient to exert a forward pressure on the sleeve 5. This forward movement takes place automatically under the action of a return spring 1.

In order to permit of easily making the angular movements of the sleeve 5 the latter is provided with facets 14 and 15 on which the fingers of the operator can easily obtain a hold.

In order to allow of verifying from the end, if the sleeve 5 is in the desired alignment, the breech 2 and the sleeve 5 are provided with indicator marks; these are constituted by two grooves 12 and 13 which, in the secured position, form the sight.

What I claim is:

1. A movable breech slide for automatic pistols in which the return spring surrounds the barrel and bears against a closure sleeve fastened over the exterior surface of the portion of said breech slide adjacent the barrel opening, said sleeve being provided with inner projections for engaging corresponding grooves in the outer surface of the breech slide, said grooves each being U-shaped and having unequal branches the longest of which opens at the end of the breech slide to enable said projections to be introduced in said grooves and the other of which terminates short of the end of the breech slide and is adapted to receive said projections to prevent any accidental rotation of the sleeve.

2. A movable breech slide for automatic pistols in which the return spring surrounds the barrel comprising a sleeve provided with a flange on which the end of the return spring bears, means for fastening said sleeve

to the front part of the breech slide, and two facets provided on the exterior of the sleeve and permitting of an angular movement being readily given to it.

3. A movable breech slide for automatic pistols in which the return spring surrounds the barrel comprising a sleeve provided with a flange on which the end of the return spring bears, means for fastening said sleeve to the front part of the breech slide, means permitting of an angular movement being readily given to said sleeve and means indicating when the sleeve is in its fastened position.

4. A movable breech slide for automatic pistols in which the return spring surrounds the barrel comprising a sleeve provided with a flange on which the end of the return spring bears, means for fastening said sleeve to the front part of the breech slide, means permitting of an angular movement being readily given to said sleeve and longitudinal grooves being provided on the movable breech slide and on the sleeve, these grooves moving into alignment when the sleeve is in its fastened position, and being arranged so that they constitute the sight.

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

JOSEPH DECLAYE.

Witnesses:

GEORGES VANDER HAERYLEN,
CHARLES MERCHET.