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54 Reversible hook for a pistol magazine.

57 Slide locking hook for the magazine of a pistol with a grip presenting a seat for a magazine (13), said hook comprising a shaft (22) subject to a spring (28) and designed to slide in a hole (17) crossing said seat, a locking pawl (23) fixed to one end of the shaft and fitted with a front tooth (24) engaging a lateral slot (14 or 15) in the magazine through a lateral opening (18 or 19) in the grip and a pushing device (26) removably assembled to the opposite end of said shaft so as to be positioned in correspondence with the other lateral opening (19 or 18).

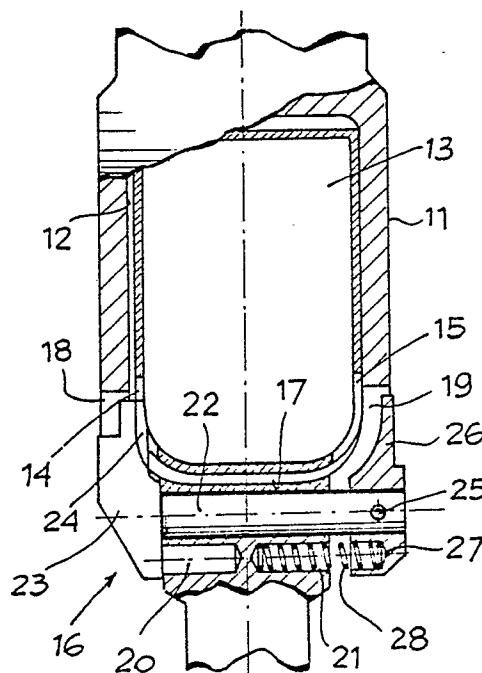


Fig. 2

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REVERSIBLE HOOK FOR A PISTOL MAGAZINE

This utility model relates to a sliding hook to lock and unlock pistol magazines and in particular to a reversible hook for said purpose.

In the field of pistols different kinds of hooks designed for the locking and unlocking of the magazine placed in the pistol grip are already known. In fact, a sliding lock hook is known, which is placed and transversally guided with respect to the seat of the magazine and fitted with a tooth designed to interact with a slot on one side of the magazine. This type of hook is however unidirectional and non-reversible as it can be assembled and operated in one direction only.

In addition, patent N. 1,090,108 filed by the same applicant discloses a sliding hook for magazines to be used either as right hand hook or as left hand hook and which is thus suitable both for righthanded and lefthanded shots. To change its position said reversible hook is pressure mounted and dismounted, but its structure is quite complex and sophisticated.

The purpose of this invention is instead to propose a reversible sliding hook to lock and unlock pistol magazines, which is simple, easy to handle, to assemble and disassemble.

For this purpose, a reversible hook for pistol magazines as specified in Claim 1 is proposed. The structural details of the proposed hook will be more apparent from the description given hereinafter with reference to the accompanying drawing in which:

Figure 1 is a schematic and perspective view of a pistol with exploded hook; and

Figures 2 and 3 show a partial horizontal section of a pistol with righthand and lefthand hook respectively.

In said drawing a pistol with shaft (10) and grip (11) is shown, with a magazine (13) lodged in a seat (12) inside said grip. The magazine (13) is fitted, in a known manner, with two slots (14), (15), one on each side, either one or the other of said slots engaging the proposed locking hook (16).

In particular, inside grip (11) we have: a through hole (17) transversal to seat (12) of magazine (13), two lateral openings (18, 19) flush with the ends of said through hole (17) and crossing said seat (12); and two coaxial blind holes (20, 21) parallel to through hole (17) and open on the opposite sides of grip (11).

Hook (16) is composed of a shank (22) fitted with a pawl (23) bearing a tooth (24) at one end, while on its opposite end a pushing device (26) is fixed by means of a removable pin (25). The shape of both said pawl (23) and pushing device (26) is corresponding to lateral openings (18, 19) in pistol

grip (11) and in the inner face of the pushing device (26) a recess (27) is made available for a prestressed spring (28) mounted inside a blind hole (20) or (21) in the grip.

As a matter of fact, to assemble the locking hook (16) its shaft (22) is introduced into the through hole (17) in grip (11) in such a way that its pawl (23), (24) is protruding either into slot (14) or into slot (15) in magazine (13) depending on the position, right or left hand, required. After that, the pushing device (26) is fixed to the free end of shaft (22) by means of pin (25) after having fitted spring (28) between device (26) and the opposite blind hole (20) or (21). Now the locking hook (16) is ready for use to lock and unlock the magazine, with pawl (23) and its front tooth (24) fitted either to its left hand side or to its right hand side, as shown in Figures 2 and 3 respectively. In both cases spring (28) will take and maintain the hook in locking position: to release the hook and hence the magazine in order to remove it from the grip, it is necessary to push in the device (26) in opposition to spring (28).

It is evident that the hook (16) may be dismounted any time to be reassembled in its opposite position as will be required by the user of the pistol. To do so it is enough to take off pin (25), remove the pushing device (26) and then extract the shaft (22) with pawl (23) from one side of the grip to reinsert it in the opposite side, after fitting spring (28) into its seat, and fix pushing device (26) on the opposite end of shaft (22) by means of pin (25).

Claims

1) Sliding hook to lock the magazine of pistols with a grip comprising a seat for a magazine (13), a through hole (17) transversally directed to said seat and two lateral openings (18, 19) flush with the ends of said through hole and crossing said seat on correspondence with two slots (14, 15) on the opposite sides of said magazine, **characterized** by a shaft (22) to be introduced and slide in through hole (17), a pawl (23) fixed to one end of said shaft being fitted with a frontal tooth (24) engaging either one or the other lateral slot (14 or 15) of the magazine through the corresponding opening (18 or 19), by a pushing device (26) removably fitted to the opposite end of said shaft so as to project from the opposite opening (19 or 18), and by a spring (28) to keep the pawl with locking tooth (23, 24) in the position required to lock in the magazine, the magazine being released by acting on pushing

device (26) in opposition to spring (28).

2. Locking hook as claimed in claim 1, in which said pushing device (26) is fitted to shaft (22) by means of a removable pin (25).

3. Locking hook as claimed in claims 1 and 2, in which spring (28) is placed between the pushing device (26) and in one of the two opposite blind holes (20,21) made available on the opposite sides of the grip and parallel to through hole (17).

4. Locking hook as claimed in the preceding claims, in which after detaching the pushing device from shaft (22), said shaft with locking pawl (23, 24) can be fitted into its opposite seat thus obtaining the easy reversibility of the locking hook itself.

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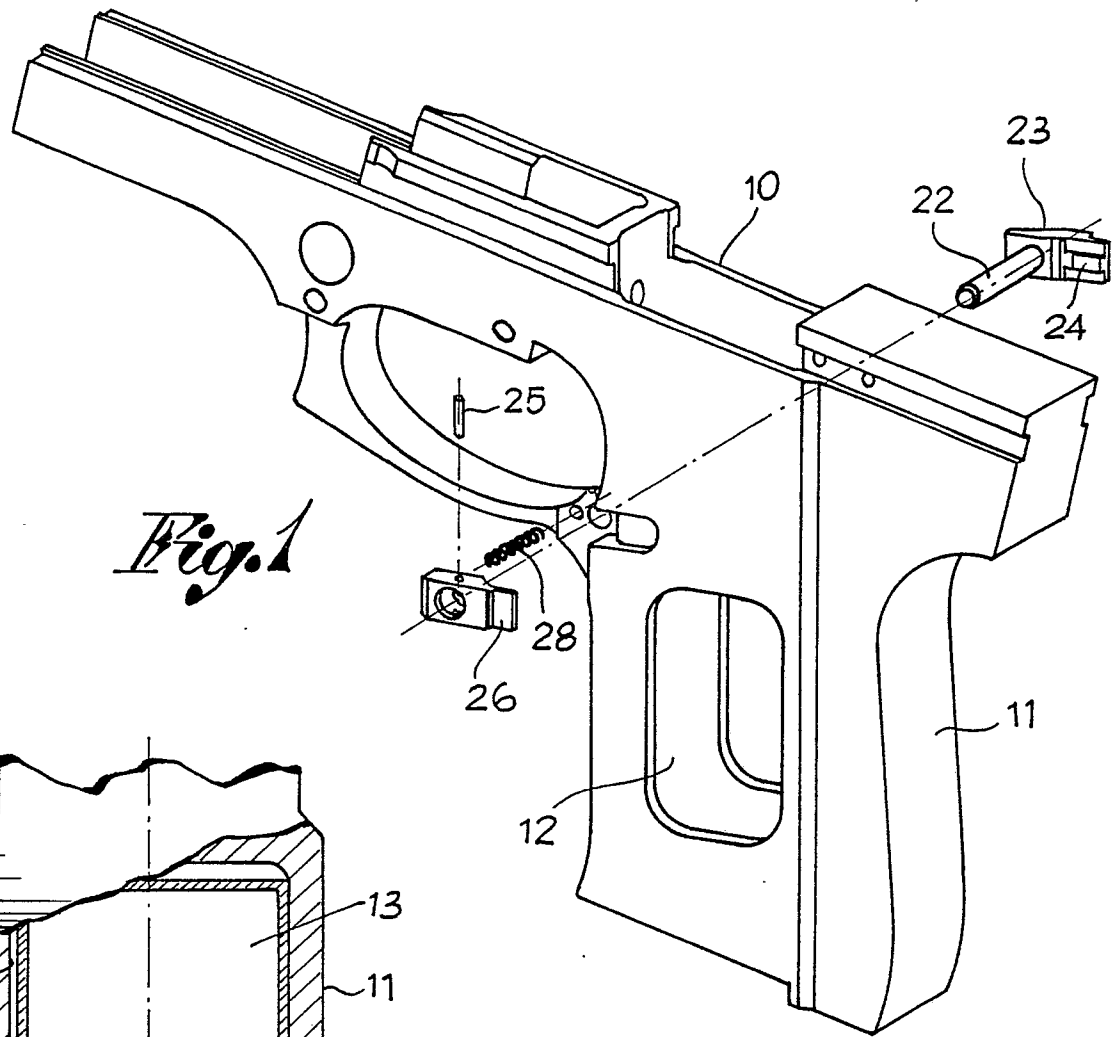


Fig. 1

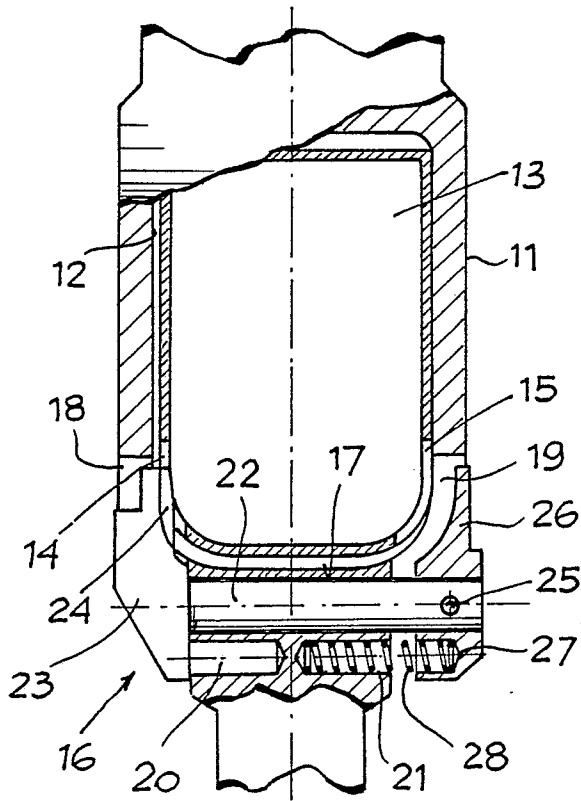


Fig. 2

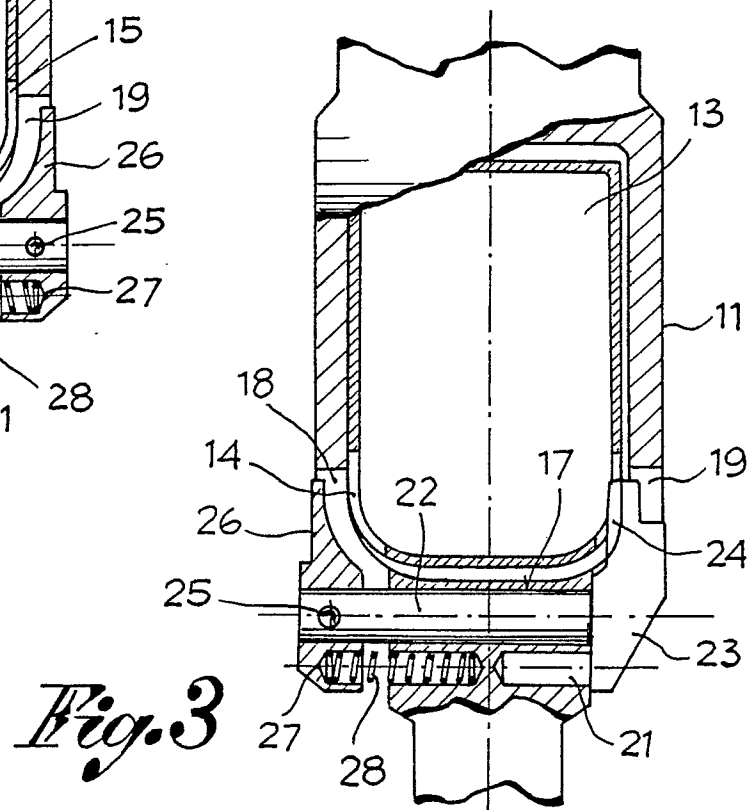


Fig. 3



EP 89 83 0321

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	US-A-4539770 (BORNANCINI) * column 1, lines 61 - 68; figures 1-8 * * column 2, lines 1 - 24 * * column 2, lines 62 - 68 * * column 3 - column 4, line 13 *	1	F41A17/38
Y	---	2-4	
Y	US-A-4429479 (JOHNSON) * column 3, lines 64 - 68; figures 1-5 * * column 4, lines 1 - 7 * * column 4, lines 27 - 41 *	2-4	
X	US-A-4599818 (FEDORA) * column 1, lines 62 - 68; figures 1-5 * * column 2, lines 1 - 20 * * column 3, lines 33 - 68 * * column 4 - column 5, line 1-5 *	1	
A	FR-A-2554916 (BERETTA) * figures 3, 4 *	2	
A	US-A-2365087 (LANCHESTER)		TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	DE-A-3414328 (STEYR)		F41A
A	GB-A-2006404 (BERETTA)		
A	US-A-4449311 (GIRAGOSIAN)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 09 JANUARY 1990	Examiner VAN DER PLAS J.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	