

7x

Fig.1.

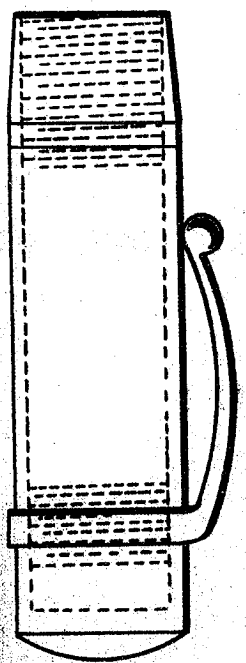


Fig.2.

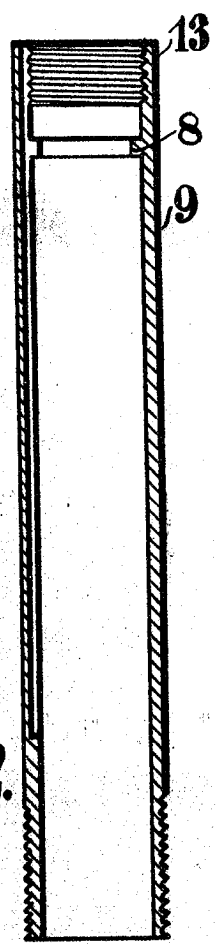


Fig.3.

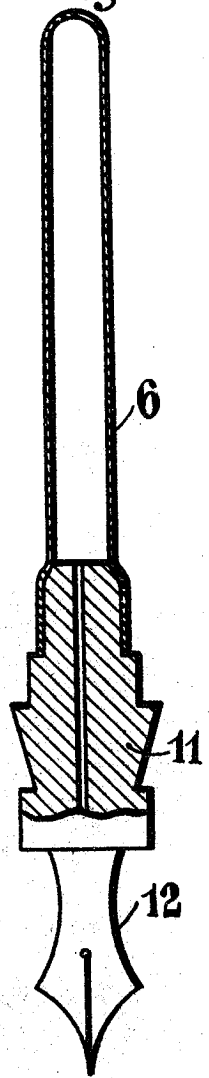


Fig.6.

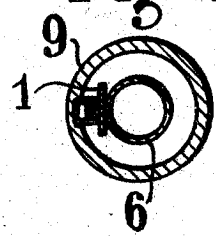


Fig.5.

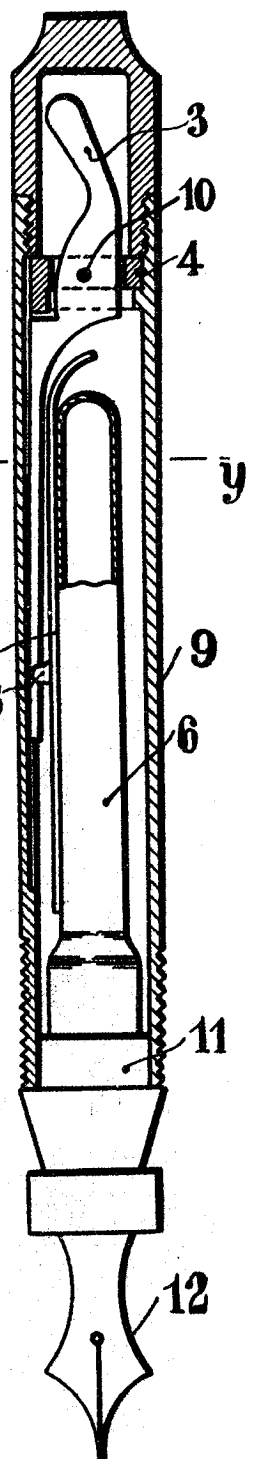
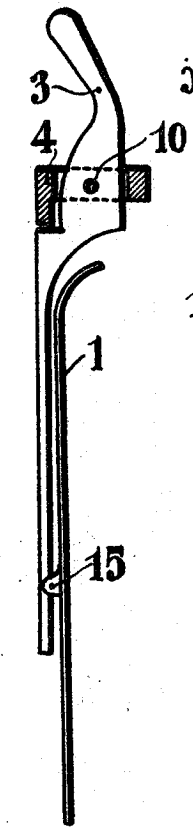


Fig.4.



Certified to be the drawings referred to in the specification hereunto annexed. Montreal, April 13th, 1931.

EUGENIO VERGA, INVENTOR.

BY: *Maxion Maxion* Attorneys.

327283

CEC/BH. 16.3.31.SPECIFICATION.TO ALL WHOM IT MAY CONCERN:-

Be it known that I EUGENIO VERGA, of 80, Corso Roma, Milan, Italy, an Italian Subject, have invented certain new and useful "Improvements in Fountain Pens" of which the following is a specification.

The invention relates to fountain pens and more specifically to fountain pens of the "self-filling" type wherein a rubber sac or reservoir for the ink is deflated by means of a presser bar pressed upon the side of the reservoir, release of the presser bar causing the reservoir to be filled with ink as a result of the partial vacuum previously created therein by the deflation and expansion.

The invention is directed to a construction and arrangement of the reservoir, the presser bar, and operating member for the presser bar, which construction and arrangement will allow of easy disassembly and reassembly of the whole of the pen by the user when required for cleaning or examination.

To this end the invention consists in pivotally mounting an operating lever, to which the presser bar is pivoted, in a bearing member which is itself removable from the pen assembly. Removal of the bearing member thus removes the presser bar and the operating lever together.

The reservoir itself may be removed in a known manner, to wit, by being secured upon a removable plug at the lower end of the penholder.

In the accompanying drawings which will now be referred to in the following description of the invention, Figure 1 is a view of a usual penholder cap and clip; Figure 2 is a side elevation showing sectionally the penholder and a cap which serves to secure a bearing member for the presser bar operating member in place; Figure 3 shows the lower or nib end of the pen removed with the reservoir from the holder; Figure 4 is a detail view of the presser bar and its operating lever and the bearing member; Figure 5 is a general sectional view of the parts assembled, but without the cap Figure 1; and Figure 6 is a cross section taken on the line x - y of Figure 5.

In the Figures 1 is a presser bar of non-oxidisable metal to which is pivoted by a block 15 the end of an operating lever 2 which may also be of non-oxidisable metal, such lever having the finger-piece 3 and being pivotally mounted in a collar 4 by means of a bearing pin 10 fitted

4

diametrically of the said collar. The presser bar 1 is adapted to be pressed upon a reservoir 6 of usual form, the end of which fits upon a plug 11, when the parts are assembled. A screw cap 7 is provided, fitting upon an end 13 of the holder 9, and between this cap 7 and a flange 8 of the said holder 9 is fitted the bearing member 4, the latter being held in operative position by the cap 7 on one side and the flange 8 on the other. As clearly seen in Figure 5 the cap 7 when in position forms a protective housing for the finger-piece 3.

A usual nib feed is indicated at 12. The presser bar 1 is shown as curved at the upper end of the pen, see Figures 4 and 5. This end curvature serves as guide and positioning means for the reservoir, but is not essential.

To disassemble the pen it is only necessary to remove the cap 7, thus releasing the collar 4 which may then be withdrawn with the presser bar 1 and its operating lever 2. Separation of the plug 11 and the penholder 9 serves to remove the reservoir.

The penholder parts except as to the presser bar 1, the lever 2, and finger-piece 3 may be of any suitable material such as vulcanite and the collar 4 may be of non-oxidisable metal or vulcanite.

Having thus described my invention, I claim:

1. A self-filling fountain pen comprising a barrel, a resilient sac or reservoir for ink disposed in the barrel, a presser bar, an operating lever associated with the presser bar and adapted to be pressed upon the side of the reservoir, the release of the presser bar causing the reservoir to be filled with ink as a result of the partial vacuum previously created therein by the deflation and expansion, the said presser bar and operating lever being pivoted together, and the operating lever being pivotally mounted in the barrel.
2. A fountain pen as claimed in claim 1, wherein the operating lever is pivoted on a collar held between the penholder end, and a detachable cap.
3. A fountain pen as claimed in claim 1, wherein the operating lever is pivoted on a collar held between the penholder end, and a detachable cap, and the operating lever is provided with a finger piece adapted to be housed with the said detachable cap.
4. A fountain pen as claimed in claim 1 wherein the operating lever is pivoted on a collar held between the penholder end and a detachable cap, and the operating lever is provided with a finger piece adapted to be housed within the detachable cap, and wherein the upper end of the presser bar is curved to form a guide and positioning means for the reservoir.