

PATENT SPECIFICATION



Application Date: June 12, 1929 No. 18,018/29.

334,913

Complete Accepted: Sept. 12, 1930.

COMPLETE SPECIFICATION.

Improvements in Fountain Pens.

I, EUGENIO VERGA, an Italian Subject, of 80, Corso Roma, Milan, Italy, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

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.

[Price 1/-]

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 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 fingerpiece 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 now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. In a fountain pen of the type described, a presser bar and operating lever therefor, these two being pivoted together and the operating lever being pivoted in a bearing member which is removably held in the pen assembly.

2. A fountain pen as claimed in claim 1, the bearing member being a collar held between the penholder body end and a

detachable cap.

3. A fountain pen as claimed in claim 2, the detachable cap serving as a protective housing for a finger piece on the operating lever of the presser bar.

4. In a fountain pen as claimed in any of the preceding claims, curving the upper end of the presser bar, as and for the purpose set forth.

5. A fountain pen, constructed and arranged substantially as described and as shown in Figure 5 of the annexed drawings.

Dated this 11th day of June, 1929.

J. O'CONNELL,
Agent for the Applicant.

[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 1

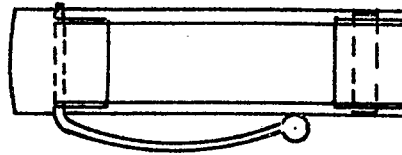


Fig. 2

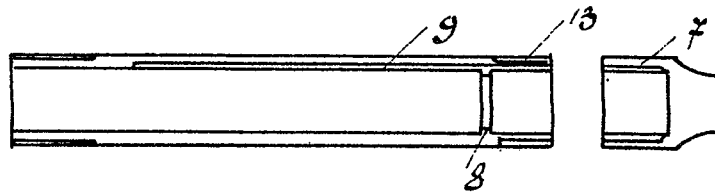


Fig. 3

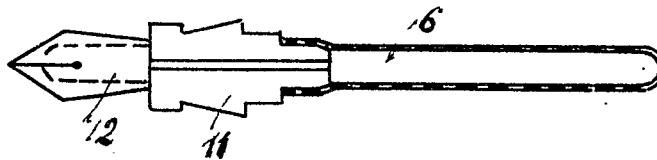


Fig. 4

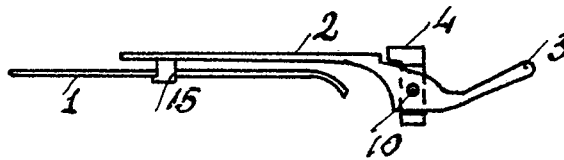


Fig. 5

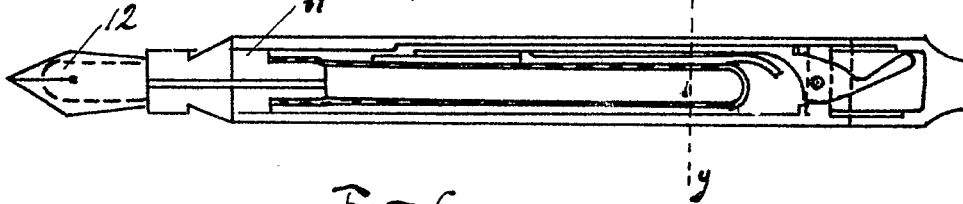


Fig. 6

