

PATENT SPECIFICATION

418,734

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COMPLETE SPECIFICATION.

Improvements in or relating to Fountain Pens.

I, DAVID FINBURGH, a Subject of the King of Great Britain, of 143, Holborn, London, E.C. 1., do hereby declare the nature of this invention and in what

5 manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to fountain pens and has for its object to provide an improved manner of securing the nib of the pen in position in the nib section of the barrel so as to avoid the difficulties which arise in connection with the usual manner of securing the nib, that is to say

10 in which the nib is gripped by friction only between the end of the ink feed bar and the bore or socket in the end of the nib section of the barrel into which the feed bar fits, the ink feeder bar having its

15 inserted end plain and smooth and being a push fit with the nib in the end of the nib section of the barrel the bore through which is made smooth to correspond.

With this usual form of construction it may be difficult to remove the ink feeder bar and the nib due to the nib corroding and causing the end of the feeder bar which fits into the nib section to jam in position so that great force may be

25 necessary to remove it, and the ink feeder bar or the end of the pen barrel may be broken in the efforts to release the ink feeder bar and the nib.

According to the present invention the nib of a fountain pen is secured in position in the end of the nib section of the barrel by means of the end of the ink feeder bar, which is inserted therein, by providing the end of the ink feeder bar which fits into the nib section with an external screw thread the bore through the end of the nib section of the barrel being also provided with a corresponding internal

35 screw thread, and by forming the end of the nib which is held between the ink feeder bar and the nib section into a portion of a screw thread which also corresponds with the thread on the ink feeder bar and in the nib section of the pen barrel. The nib is placed with the screw threaded portion thereof over the external screw thread on the ink feeder bar and both the end of the feeder bar and the

end of the nib are screwed together into position in the end of the nib section so that the nib is gripped between the feeder bar and the screwed bore through the nib section.

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The invention also includes a nib having its non-pointed end formed into a portion of a screw-thread, for use in a fountain pen having the bore through its nib section internally screwed and the inserted end of the ink feeder bar correspondingly externally screwed as above described.

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The construction of pen according to the invention is illustrated in the accompanying drawing in which Fig. 1 is a longitudinal section of the end of the fountain pen with the nib secured in position in the manner above described, while Fig. 2 is an elevation of the various parts as they appear when the nib and the ink feeder bar are removed from the pen barrel.

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The ink feeder bar 1 is provided, at its end which fits into the nib section of the barrel, with an external screw thread 2 and the nib 3 has its non-pointed end similarly formed into part of a corresponding screw thread 4 and the bore through the nib section 5 of the pen barrel, into which these two parts 1 and 3 fit, is provided with an internal screw thread 6 which corresponds with the threads formed on the feeder bar 1 and the nib 3. The nib is secured in position in the nib section of the pen barrel by placing it over the feeder bar 1 in its correct position relative to the feeder bar with the portion of screw thread 4 fitting over the screw thread 2 on the feeder bar, and the nib 3 and feeder bar 1 are then screwed together into the thread 6 formed in the interior of the nib section 5.

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By securing the nib and feeder bar in position in this manner it is possible to hold the nib securely in position, while at the same time the parts can be readily detached when necessary by unscrewing the feeder bar and nib from the nib section and, even if the parts become stuck due to corrosion of the nib, the unscrewing movement made in the effort to remove the nib generally enables the parts to be easily separated and they are much less

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likely to be injured than is the case where the parts are a push fit in one another.

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. A fountain pen having its nib secured in position in the end of the nib section of the barrel between an internal screw thread formed in the bore through the nib section and a corresponding external thread formed on the end of the ink feeder bar which fits into the nib section, the non-pointed end of the nib being formed with a portion of a screw thread which corresponds with the thread on the ink feeder bar and in the nib sec-

tion, so that the nib may be placed over the ink feeder bar with its thread portion fitting over the thread on the feeder bar and both the nib and feeder bar screwed together into the bore of the nib section of the barrel. 20

2. For use in a fountain pen in which the nib is secured in the manner according to Claim 1, a nib having its non-pointed end formed into a portion of a screw thread adapted to fit exactly over the screwed end of the nib section of the pen. 25

Dated this 19th day of July, 1934. 30

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[This Drawing is a full-size reproduction of the Original.]

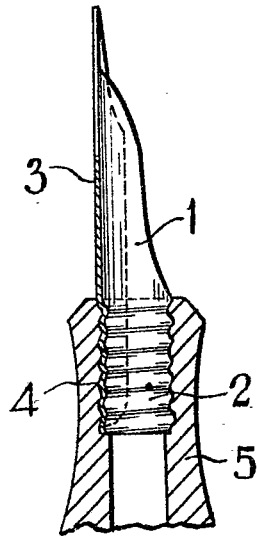


FIG. 1.

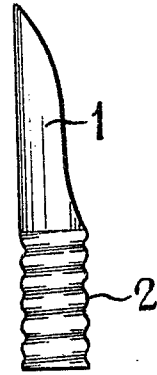


FIG. 2.

