

944,177.

F. M. CONNOLLY.
PEN FEEDER.
APPLICATION FILED MAY 14, 1909.

Patented Dec. 21, 1909.

Fig. 1.

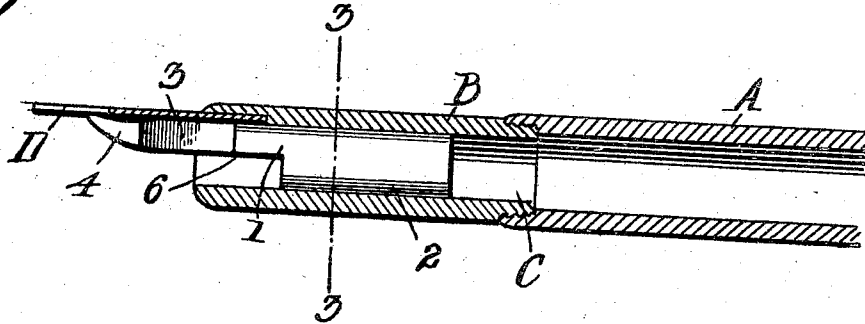


Fig. 2.

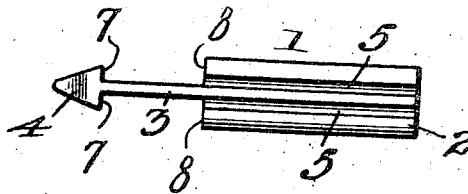
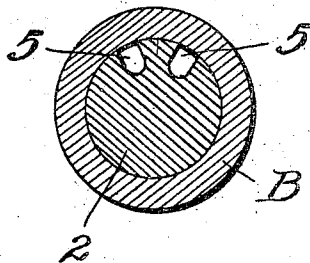


Fig. 3.



Witnesses

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PEN-FEEDER.

944,177.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANK M. CONNOLLY, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented new and useful Improvements in Pen-Feeders, of which the following is a specification.

This invention relates to fountain pen feeders, it has for an object to provide a feeder of this character that can be applied to pens of the ordinary character which will be of such form so as to convey to the nib of the pen a steady flow of ink and which will further be of such form as will obviate leakage.

Other objects and advantages will be apparent as the nature of the invention is better disclosed and it will be understood that changes within the specific scope of the claim can be made without departing from the spirit of the invention.

In the drawings forming a portion of this specification and in which like characters of reference indicate similar parts in the several views, Figure 1 is a detail longitudinal section taken through a portion of a fountain valve barrel showing my improved feeder in its operative position. Fig. 2 is a detail top plan view of the feeder removed from the pen. Fig. 3 is a section taken on the line 3—3 of Fig. 1.

Referring now more particularly to the drawings there is shown a pen barrel A of the ordinary type provided with a section B of any suitable form having a longitudinal bore C communicating with the barrel and arranged to receive therefrom a desired quantity of ink to be fed to my improved feeder illustrated at 1 and comprising a main body or plug portion 2 of cylindrical form which snugly fits frictionally the walls of the bore C of the head of the pen, and which is shown as being provided with a forwardly extending reduced portion or tongue 3 provided at its outer end with an arrow head 4 which is preferably curved upwardly as shown for close engagement with the nib D, and as shown, the said head is dished upon its upper surface so as to form a receptacle for a quantity of ink. The cylindrical body portion 2 of the feeder herein shown is provided with a pair of lon-

gitudinally extending grooves or channels 5 which open at their outer ends onto the side faces of the reduced portion or tongue 3 so as to effectively feed the ink to the head 4. The body portion 2 of the pen is provided at its outer end with a cut away portion 6. The construction of the feeder is such that the grooves or channels 5 are disposed in such position that when the pen is in use a steady flow of ink will be delivered to the under side of the nib D. The shoulders 7 formed incident to the construction of the head 4 are disposed in such spaced relation to the shoulders 8 formed at the outer end of the body or plug portion 2 of the feeder so that spaces 9 are formed at the sides of the reduced portions or tongue 3 into which the ink from the pen barrel may flow and accumulate. This construction is such that during operation of the pen, when pressure is exerted upon the nib D, as in the art of writing the ink from the recess between the shoulders 7 and 8 will be free to escape upon the head 8, which latter serves as a spreader to thoroughly distribute the ink at the desired point upon the nib.

A feeder as herein shown and described is extremely simple in construction and affords means for conveying to the nib of the pen the desired quantity of ink, at the same time obviating leakage as will be readily understood. I do not desire to limit myself to the exact structure of the feeder but preferably formed mere parts thereof integrally, but it is obvious that the tongue portion 3 may be an entirely separate part and secured to the body or plug portion 2 in any suitable manner.

Having thus described the invention what is claimed as new is:—

In a fountain pen, a pen feeder comprising an elongated cylindrical body removably engaged in the barrel of the pen, a spreading head of arrow form, said head having a dished upper surface underlying the underside of the nib of the pen, said head being curved upwardly and outwardly so that its outer extremity will be engaged with the underside of the nib of the pen, and a tongue connecting the said spreading head with the said cylindrical body, said tongue being of less width than that of the

spreading head to form ink-receiving recesses between the spreading head and the outer end of the said body, said body having a pair of spaced channels formed therein and opening at their inner ends into the
5 barrel of the pen and at their outer ends onto the side faces of the said tongue.

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

FRANK M. CONNOLLY.

Witnesses:

MAX SCHNELLE,
BESSIE P. CONNOLLY.