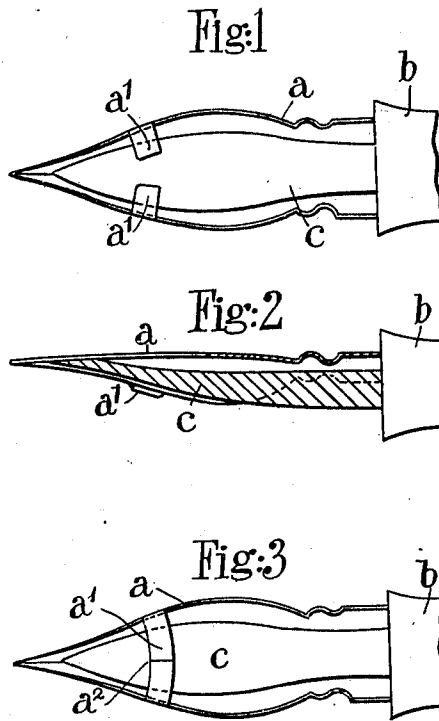


L. I. PERRY.
FOUNTAIN PEN.
APPLICATION FILED JUNE 13, 1910.

982,527.

Patented Jan. 24, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

LOUIS IGNATIUS PERRY, OF LONDON, ENGLAND.

FOUNTAIN-PEN.

982,527.

Specification of Letters Patent.

Patented Jan. 24, 1911.

Application filed June 13, 1910. Serial No. 566,512.

To all whom it may concern:

Be it known that I, LOUIS IGNATIUS PERRY, a subject of the King of Great Britain, residing at London, England, have invented new and useful Improvements in the Manufacture of Fountain-Pens, of which the following is a specification.

The invention relates to modern reservoir fountain pens having only an under-feed made of material such as vulcanite, celluloid or metal. This underfeed as is well known is attached to the reservoir and has a channel to enable the ink to flow from the reservoir in the handle to the nib.

In practice it is found that great difficulty arises in manufacturing gold nibs for use in such reservoir pens by stamping in the same way that steel nibs are manufactured. Some of such nibs are too soft or flexible when finished to be used in a fountain pen having such an underfeed. An ordinary gold nib for use with fountain pens has a stiff body and the points only are flexible. A gold nib made by dies like a steel nib is frequently flexible throughout the greater part of its length. Such a nib cannot be used with fountain pens having only an under-feed as in some cases the nib springs to such an extent that it causes the ink to flow too freely and in other cases it bends up or sets so that the flow is insufficient.

The object of the present invention is to construct an under-fed fountain pen provided with a gold nib made by stamping as steel pens are made, which nib, although flexible throughout the greater part of its length, yet does not pull too far away from the under-feed in use.

A further object is to provide means for adjusting the flexibility of the nib so as to suit the handwriting.

The invention is illustrated in the accompanying drawings, in which:—

Figure 1 is an underside view of a nib, an under-feed made of vulcanite and part of a fountain pen, and Fig. 2 is a central longitudinal section through the nib and feed. Fig. 3 is an underside view of a nib

and under-feed showing a slight modification.

In carrying the invention into effect, as shown in Figs. 1 and 2, I form the points of the pen or nib *a* with two or more small arms or projections *a'*, which, after the pen or nib is placed in its holder *b*, are bent against the underside of the feed *c*. If a pen is very flexible the said arms or projections *a'* are bent somewhat tightly against the feed *c*. If the pen *a* is fairly stiff it is not necessary to bend the arms *a'* so tightly against the feed *c*. By means of these arms or projections *a'* one is able to adjust the amount of flexibility to suit the handwriting.

If desired the two arms *a'* may be made of such a length that they meet and may be soldered together on their meeting edges *a''*, as shown in Fig. 3, thereby forming a band which passes across the under-feed *c* and is capable of being pressed into contact with or toward the same. This band may be formed by making the arms of such a length that they meet and by soldering the meeting edges together.

In some cases the feed *c* is flexible so that in writing it bends with the nib and thus supports the nib without unduly diminishing its flexibility in use.

I am aware that nibs for dipping in ink have been formed with small arms or projections for the purpose of fixing a small plate or shoe to the underside of the nib and thus forming a reservoir, but said plate or shoe was not connected to the handle of the penholder and did not act as an underfeed from the reservoir in the handle.

What I claim is:—

1. In a fountain pen, the combination of a handle acting as a reservoir, an underfeed carried by the handle and being provided with a channel to convey the ink, a flexible nib carried by the handle and arms carried by the points of the nib which are adjusted against the underside of the underfeed for the purpose of regulating the flexibility of the nib, substantially as set forth.

2. In a fountain pen, the combination of

a handle acting as a reservoir, an underfeed
carried by the handle, and being provided
with a channel to convey the ink, a flexible
nib carried by the handle, and arms carried
5 by the points of the nib of such a length
that they meet and are soldered together and
are adjusted against the under side of the
underfeed for the purpose of regulating the

flexibility of the nib, substantially as set
forth. 10

In witness whereof I have hereunto set
my hand in presence of two witnesses.

LOUIS IGNATIUS PERRY.

Witnesses:

WM. GIRLING,

HERBERT D. JAMESON.