



Date of Application, 1st Dec., 1911

Complete Specification Left, 30th May, 1912—Accepted, 15th Aug., 1912

PROVISIONAL SPECIFICATION.

Improvements in or relating to Fountain Pens.

I, CECIL BRISTOW, of "Tiverton", St. Germain's Road, Forest Hill, in the County of London, Works Manager, do hereby declare the nature of this invention to be as follows:—

This invention relates to fountain pens and has for its object to provide an improved construction of pen.

In certain forms of fountain pens the cap for protecting the nib is formed with a stepped cavity the inner portion being of smaller internal diameter and presenting a shoulder which is adapted to abut the end of the holder for the purpose of preventing the ink from flowing from the pen into the pocket or elsewhere when lying in a horizontal, inverted or other position. In pens of this sort the caps are generally screwed on to the holder. It has been found that in screwing the cap on to the holder that ink is frequently deposited on the inside of the cap between the shoulder and the closed end of the cap. In course of time when the cap has been taken off and replaced several times the ink finds its way past the shoulder towards the mouth of the cap and is then transferred onto the holder where it is in a position to soil the fingers in use.

According to this invention the cap is provided with an inner shoulder or trap and a detachable end so that any small quantity of ink, deposited or vapour condensed on the walls of the cap between the shoulder and closed end of the cap is prevented from finding its way on to the holder.

Fig. 1 is a section of a pen cap embodying this invention.

Fig. 2 shews another embodiment.

The cap *a* is provided with a stop or shoulder *b* having a face *c* adapted to bear against the end of the holder and an inner shoulder *d* adapted to form a trap for any small quantity of ink which may be deposited between the shoulder *a* and the closed end of the cap. *e* is a stopper or cap formed with a thread *f* adapted to be screwed on to the cap *a*. In Fig. 2 the cap *a* is formed with a thread *g* to engage with a corresponding thread on the exterior of the part forming the shoulders *c* and *d*. The cap *a* is formed with a thread *h* by which it is screwed to the holder.

In use should any ink or condensed vapour be deposited between the stop *e* and closed end of the cap, the stopper *e* can be removed and the cap cleaned.

In a cap made in accordance with this invention with a detachable end it is possible to form the cap of the same sectional diameter throughout excepting for just that part occupied by the stop or shoulder and the necessity of a restricted internal diameter for that part of the cap beyond the shoulder is avoided and consequently the liability of the pen depositing ink on the wall of the cap as the cap is screwed over the pen is avoided.

Dated this 1st. day of December, 1911.

MEWBURN, ELLIS & PRYOR,
70 & 72, Chancery Lane, London, W.C.,
Chartered Patent Agents.

[Price 8d.]



Bristow's Improvements in or relating to Fountain Pens.

COMPLETE SPECIFICATION.

Improvements in or relating to Fountain Pens.

I, CECIL BRISTOW, of "Tiverton", St. Germain's Road, Forest Hill, in the County of London, Works Manager, 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:—

This invention relates to fountain pens and has for its object to provide an improved construction of pen. 5

In certain forms of fountain pens the cap for protecting the nib is formed with a collar presenting a shoulder which is adapted to abut the end of the holder for the purpose of preventing the ink from flowing from the pen into the pocket or elsewhere when lying in a horizontal, inverted, or other position and to adapt the shoulder in the cap to serve as a trap or pocket for ink deposited between the shoulder and the inner end of the cap. In pens of this sort the caps are either screwed to the holder or slid on so as to fit tightly. Caps have been fitted with detachable ends to which are attached brushes for cleaning the pens, but no claim is made to these features *per se*. 10 15

It has been found that in screwing the cap on to the holder that ink is frequently deposited on the inside of the cap between the collar and the closed end by capillary attraction owing to the proximity of the nib and feed or feeds to the inner walls of the cap and by condensation of vapour. In course of time when the cap has been taken off and replaced several times the ink finds its way past the collar towards the mouth of the cap, and is then transferred on to the holder where it is in a position to soil the fingers in use. 20

A cap made in accordance with this invention comprises the combination of a screw-on cap, a stepped shoulder in the cap to abut on the nozzle of the holder, and a detachable end so that any small quantity of ink deposited or vapour condensed on the walls of the cap between the shoulder and closed end of the cap can be readily removed. The diameter of the bore of the trap is preferably as large as the bore of the open end of the cap. 25

In the drawings filed with the Provisional Specification,

Fig. 1 is a section of a pen cap embodying the invention; 30

Fig. 2 shows another embodiment.

The cap *a* is provided with a stop or shoulder *b* having a face *c* adapted to bear against the end of the holder and an inner shoulder *d* adapted to form a trap for any small quantity of ink which may be deposited between the shoulder *d* and the closed end of the cap. *e* is a stopper or cap formed with a thread *f* adapted to be screwed on to the cap *a*. In Fig. 2 the cap *a* is formed with a thread *g* to engage with a corresponding thread on the exterior of the part forming the shoulders *c* and *d*. The cap *a* is formed with a thread *h* by which it is screwed to the holder. 35

In use should any ink or condensed vapour be deposited between the stop *e* and closed end of the cap, the stopper *e* can be removed and the cap cleaned. 40

In a cap made in accordance with this invention with a detachable end it is possible to form the cap of the same sectional diameter throughout excepting for just that part occupied by the stop or shoulder and the necessity of a restricted internal diameter for that part of the cap beyond the shoulder is avoided and consequently the liability of the pen depositing ink on the wall of the cap as the cap is screwed over the pen is avoided. 45

Bristow's Improvements in or relating to Fountain Pens.

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:—

- 5 1. A screw-on cap for a fountain pen provided with an inner shoulder or trap and a detachable end substantially as and for the purpose described.
2. The fountain pen cap constructed, arranged and adapted for use substantially as described with reference to the drawings.

Dated this 30th day of May, 1912.

10

MEWBURN, ELLIS & PRYOR,
70 & 72, Chancery Lane, London,
Chartered Patent Agents.

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

Fig. 1.

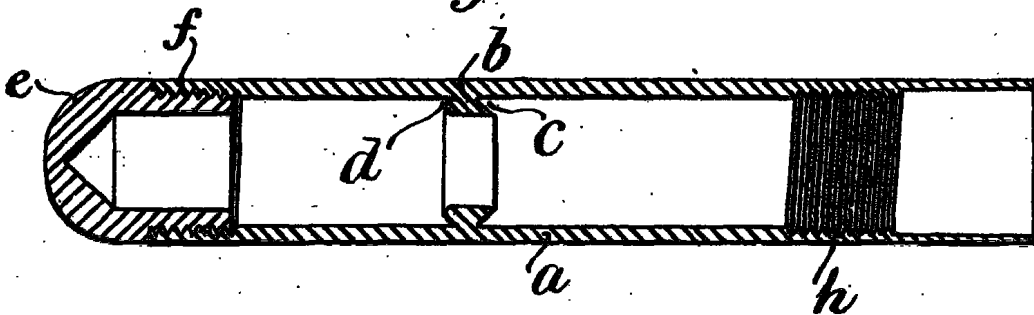
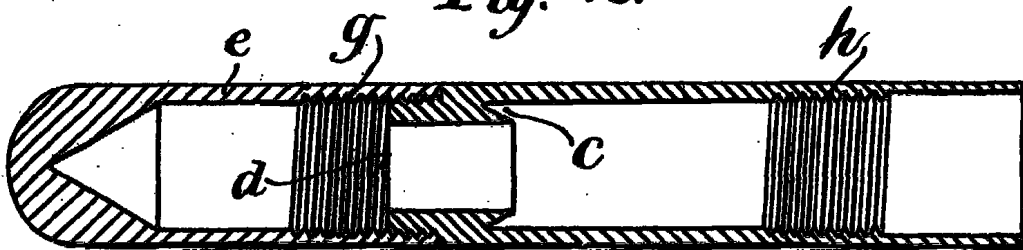


Fig. 2.



BIRMINGHAM
FREE
LIBRARIES.