

N<sup>o</sup> 3230



A.D. 1912

*Date of Application, 8th Feb., 1912*

*Complete Specification Left, 30th May, 1912—Accepted, 1st Aug., 1912*

PROVISIONAL SPECIFICATION.

**Improvements in or relating to Stylographic 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:—

5 This invention relates to stylographic pens. The object of this invention is to provide an improved ink trap at or near the air inlet.

In pens as hitherto made, the trap has been formed by a plug having a straight vent tube arranged axially within a cylindrical chamber so as to leave an annular space surrounding the tube. The air duct to the point of the pen leads from the inner end of the trap chamber.

10 In pens of this type a small quantity of ink occasionally finds its way up the duct and bridges across the space between the end of the air duct and the end of the vent tube, and then it is or may be forced by gravity or expansion out through the vent tube, rendering the trap ineffective.

15 According to this invention, the passage in the vent tube is provided with a lateral opening so that there is no direct passage between the vent tube and the air duct.

The plug may be screwed into the end of the pen or otherwise secured in any well known manner.

Dated this 8th day of February, 1912.

20

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

COMPLETE SPECIFICATION.

**Improvements in or relating to Stylographic Pens.**

25 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 stylographic pens. The object of this invention is 30 to provide an improved ink trap at or near the air inlet.

In pens as hitherto made, the trap has been formed by a plug having a straight vent arranged axially within a cylindrical chamber so as to leave an annular space surrounding the tube. The air duct to the point of the pen leads from the inner end of the trap chamber.

35 In pens of this type a small quantity of ink occasionally finds its way up the

[Price 8d.]



*Bristow's Improvements in or relating to Stylographic Pens.*

duct and bridges across the space between the end of the air duct and the end of the vent tube, and then it is or may be forced by gravity or expansion out through the vent tube, rendering the trap ineffective.

According to this invention the passage in the vent tube is provided with a lateral opening leading into a cavity or trap in the plug or end of the pen, which cavity is always in direct communication with the air duct, so that in the event of any ink finding its way up the air duct into the cavity and bridging the space between the air duct and air vent it will not be in a position to enter the vent tube, said plug being fixed in use and secured tightly in the pen to prevent leakage. 5

The plug may be screwed into the end of the pen or otherwise secured in any well-known manner, so as to make a tight joint. 10

In the drawing:

Fig. 1 is a part section of a stylographic pen embodying this invention.

*a* is the barrel of the pen, *b* the air duct terminating at *c*, *d* the stylo needle, *e* the cap, *f* is the vent tube in the plug *g*, *h* is a lateral opening in the vent tube, the plug *g* is screwed to the barrel *a*, *j* is a cavity forming an ink trap. 15

In use, should ink find its way up the air duct into the cavity of trap *j* and bridge the space between the air vent and air duct it will not be in a position to enter the lateral hole in the vent pipe and pass up through the same, consequently the user will be protected from inconvenience which arises in pens when the opening in the vent tube is opposite to the hole in the air duct. 20

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:— 25

1. A stylographic pen characterised in that the passage in the vent tube is provided with a lateral opening leading into a cavity or trap in the plug or end of the pen, which cavity is always in direct communication with the air duct so that in the event of any ink finding its way up the air duct into the cavity and bridging the space between the air duct and air vent, it will not be in a position to enter the vent tube, said plug being fixed in use and secured tightly in the pen to prevent leakage. 30

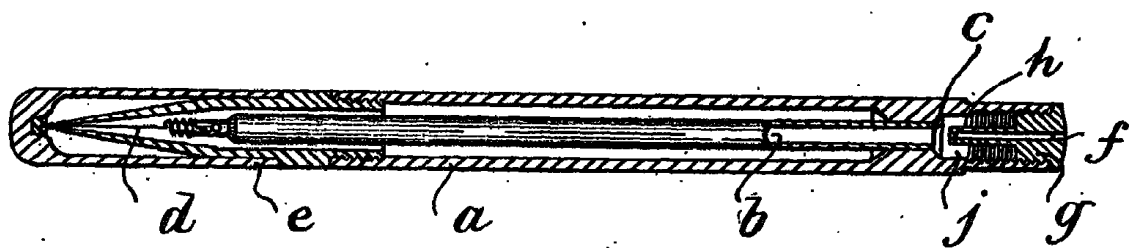
2. A stylographic pen constructed, arranged and adapted for use substantially as described and shown in the drawings.

Dated this 30th day of May, 1912. 35

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

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

Fig. 1.



BIRMINGHAM  
FREE  
LIBRARIES.