



# PATENT SPECIFICATION

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## PROVISIONAL SPECIFICATION

### Improvements in Fountain Pens, Propelling Pencils and the like.

- We, WYVERN FOUNTAIN PEN COMPANY, LIMITED, a British Company, of Woodboy Street, Leicester, and CYRIL GEORGE BARKER, British subject, of 73 Leicester Road, Quorn, Leicestershire, do hereby declare the nature of this invention to be as follows:—
- This invention relates to fountain pens, propelling pencils and the like, and more particularly to the construction and decoration of the barrel and cap portions thereof.
- According to the present invention a pen or pencil of the above kind comprises a barrel with or without a cap having a fabric cover with an external waterproof coating.
- In carrying out the invention as applied to a fountain pen the barrel may be covered with a thin layer of leather or leather substitute treated with a solution of cellulose acetate or some other varnish which is impervious to ink and stains generally. Any ink or other stain on the varnish can be readily removed by wiping with a damp cloth.
- The leather cover may consist of any animal or reptile skin skived to the required thickness, the skin being treated before or after fitting to the barrel or cap with cellulose acetate solution to render it impervious to liquid, and especially to the risk of staining through contact with ink. Without the treatment the leather would be susceptible to discolouration by contact with ink, especially in the case of such inks as red and green, which rely on dyes for their distinctive colours.
- Other varnishes than a solution of cellulose acetate may be found suitable. For instance methyl methacrylate monomer can be used. After application the material polymerises to form a transparent insoluble hard coating, from which any dried ink can easily be wiped.

Dated this 29th day of October, 1947.

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## COMPLETE SPECIFICATION.

### Improvements in Fountain Pens, Propelling Pencils and the like.

- We, WYVERN FOUNTAIN PEN COMPANY, LIMITED, a British Company, of Woodboy Street, Leicester, and CYRIL GEORGE BARKER, a British Subject of 73, Leicester Road, Quorn, Leicestershire, 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, propelling pencils and the like, and more particularly to the construction and decoration of the barrel or holder and the cap portions thereof. On pen-holders and reservoir pens it is known to provide a sleeve or cover of leather, silk, rubber or the like.
- The present invention consists in a fountain pen, propelling pencil or the like, comprising a barrel or holder with or without a cap, having a covering of leather, leather substitute or fabric wherein the covering is protected by an external waterproof coating.
- The covering is preferably accommodated in a recess in the external surface of the barrel or holder, or the cap if any, the depth of the recess being such as to afford a flush finish.
- The invention will now be described with reference to the accompanying drawings, in which:—

[Price 2/-]

Figure 1 is an elevation of a fountain pen having a leather cover applied to its barrel and its cap.

5 Figure 2 is a fragmentary axial section of the fountain pen barrel.

Referring to the drawing, the barrel 1 of the pen has a leather cover 2 applied thereto, which cover is protected by a coating 3 of a plastic solution or varnish which is impervious to ink and stains generally. That portion of the external surface of the barrel which carries the leather cover is recessed, as indicated by the reference 4, to a depth corresponding to the thickness of the cover 2 so as to afford a flush finish. Similarly a portion of the external surface of the cap 5 of the pen is recessed and accommodates a leather cover 6 protected by a coating of plastic solution or varnish which is impervious to ink and stains generally.

The leather covers may be of any animal or reptile skin skived to the required thickness, and may be treated with say a solution of cellulose acetate to render them impervious to liquid and especially to the risk of staining through contact with ink. Any ink or stain on the coated or varnished covers can be readily removed by wiping with a damp cloth.

Without the plastic solution or varnish coating the leather would be susceptible to discoloration by ink, especially red and green inks which rely on dyes for their distinctive colours.

In coating the covers, it is necessary not only to apply the plastic solution or varnish to their outer surfaces but also to their end edges so as to ensure against absorption of ink by said edges and which would produce stains beneath the coating on said outer surfaces. The edges must clearly be treated with the solution before application of the cover to the barrel and cap. The surface of the cover may be treated at the same time or after its application to the barrel or cap.

The meeting or abutting edges of the covers would preferably be bevelled so that they overlap without increasing the thickness at the join and render the latter almost invisible.

Any appropriate adhesive may be used

for fixing the leather covers in position on the barrel and cap of the pen, and in this connection it is preferable to roughen the bases of the recesses to ensure adequate adhesion to prevent the covers turning on the barrel and cap. 55

Plastic solutions or varnishes other than a solution of cellulose acetate may be found suitable, for example methyl methacrylate monomer can be used. The material polymerises after application to form a transparent insoluble hard coating, so that the decorative effect presented by the colour and markings in the leather is retained. 60 65

Whereas the invention has been described more particularly with reference to the application of leather coverings to a fountain pen barrel and cap, it will be understood that coverings of other materials such as imitation leather or fabric may be employed instead of leather. 70

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:— 75

1. A fountain pen, propelling pencil or the like, comprising a barrel or holder with or without a cap, having a covering of leather, leather substitute or fabric wherein the covering is protected by an external waterproof coating. 80 85

2. A fountain pen, propelling pencil or the like as claimed in Claim 1, wherein the covering applied to the barrel or holder, or the cap if any, is accommodated in a recess in the external surface thereof, the depth of the recess being such as to afford a flush finish. 90

3. A fountain pen, propelling pencil or the like as claimed in Claim 1 or 2, wherein the covering is treated with cellulose acetate solution, methyl methacrylate monomer, or other varnish which forms a transparent insoluble hard coating. 95

Dated this 6th day of October, 1948.

BARKER, BRETTELL & DUNCAN,

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

FIG. 1

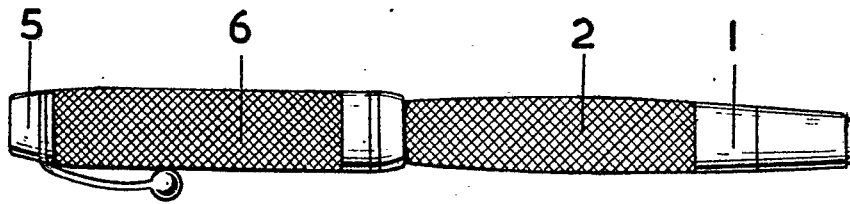


FIG. 2

