

PATENT SPECIFICATION



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PROVISIONAL SPECIFICATION

Improvements in or relating to Fountain Pens

We, THOMAS DE LA RUE & COMPANY, LIMITED, a Company organised under the laws of Great Britain, and EDWARD GIBSON KNIGHT, British Subject, both of 5 110, Bunhill Row, London, E.C.1, do hereby declare the nature of this invention to be as follows:—

This invention relates to improvements in fountain pens of the visible ink 10 type, i.e. of the type wherein the whole or part at least of the wall of the ink reservoir is formed of transparent material.

According to the invention the whole 15 or at least a part of the wall of the ink reservoir is formed partly of transparent and partly of relatively opaque material and the exterior of at least this part of the barrel is engraved or chased, the 20 combination of transparent and relatively opaque materials and of the engraved or chased pattern being such that the barrel appears to be opaque until it is held up to the light.

The transparent and relatively opaque 25 materials, e.g. cellulosic materials or synthetic resins, are arranged in a regular or irregular pattern, but the pattern must not be such or so "open" 30 that it cannot be masked and the transparent portions rendered opaque in normal aspect by the engraved or chased pattern.

The pen barrel may be formed of one 35 or two layers, in which latter case the

outer layer or tube only need contain the pattern formed by the transparent and relatively opaque materials, the inner tube if desired being of plain transparent material. This patterning 40 in the barrel may be produced in many ways. One method suitable for producing a regular mesh pattern is that described in the specification of our pending application No. 19029/37 (Serial No. 45 495,659), but the pattern will be more "open" in the present invention so that without the engraving it would not appear opaque in normal aspect.

The chased or engraved pattern may 50 be provided over most of the surface of the pen and it is preferably that known as "streamlined" which consists of closely spaced wavy lines, or it may be of the herring-bone type. 55

A definite demand has always and still does exist for pens having an engraved or chased pattern thereon, but it has not been possible hitherto to meet in such engraved pens the modern requirements 60 of ink visibility.

A fountain pen made in accordance with the present invention meets the requirements both as to ink visibility and as to the engraved pattern. 65

Dated this 6th day of November, 1937.

CARPMAELS & RANSFORD,

Agents for Applicants,
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COMPLETE SPECIFICATION

Improvements in or relating to Fountain Pens

We, THOMAS DE LA RUE & COMPANY, LIMITED, a Company organised under the laws of Great Britain, and EDWARD GIBSON KNIGHT, British Subject, both of 70 110, Bunhill Row, London, E.C.1, 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 75 statement:—

This invention relates to improvements in fountain pens of the visible ink type, i.e. of the type wherein the whole or

part at least of the wall of the ink reservoir is formed of transparent 80 material.

According to the invention the whole or a part of the barrel forming the wall of the ink reservoir is formed partly of transparent and partly of relatively 85 opaque material and the exterior of at least this part of the barrel is engraved or chased, the combination of transparent and relatively opaque materials and of the engraved or chased pattern 90 being such that the barrel appears to be

opaque until it is held up to the light.

The transparent and relatively opaque materials, e.g. cellulosic materials or synthetic resins, are arranged in a regular or irregular pattern, but the pattern must not be such or so "open" that it cannot be masked and the transparent portions rendered opaque in normal aspect by the engraved or chased pattern.

The pen barrel may be formed of one or two layers, in which latter case the outer layer or tube only need contain the pattern formed by the transparent and relatively opaque materials, the inner tube if desired being of plain transparent material. Thus in the accompanying drawing, which shows an elevation partly in section of the pen, the outer layer or tube 1 of the barrel is formed with a lattice pattern of opaque and transparent material extending from the cap 2 of the filling plunger to the nib portion 3, whilst the inner layer or tube 4 is of plain transparent material extending over substantially the same length of the barrel. This patterning in the barrel may be produced in many ways. One method suitable for producing a regular mesh pattern is that described in the specification of our pending application No. 19029/37 (Serial No. 495,659), but the pattern will be more "open" in the present invention so that without the engraving it would not appear opaque in normal aspect.

The chased or engraved pattern is provided over most of the surface of the pen extending between X and Y and it is preferably that known as "streamlined" which consists of closely spaced wavy

lines, as shown at 5 or in enlarged detail on the right of the drawing, or it may be of the herring-bone type.

A definite demand has always and still does exist for pens having an engraved or chased pattern thereon, but it has not been possible hitherto to meet in such engraved pens the modern requirements of ink visibility.

A fountain pen made in accordance with the present invention meets the requirements both as to ink visibility and as to the engraved pattern.

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:—

1. A fountain pen wherein the whole or a part of the barrel forming the wall of the ink reservoir is formed partly of transparent and partly of relatively opaque material and is engraved or chased on the exterior, the combination of transparent and relatively opaque materials and of the engraved or chased pattern being such that the barrel appears to be opaque until it is held up to the light.

2. A fountain pen as claimed in claim 1 and wherein the transparent and relatively opaque materials are combined to provide a lattice pattern in the barrel.

3. A fountain pen substantially as described and as shown in the accompanying drawing.

Dated the 4th day of April, 1938.

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

