

N° 12,837



A.D. 1914

(Under International Convention.)

Date claimed for Patent under Patents and Designs Act, 1907, being date of first Foreign Application (in Germany), } 6th Apr., 1914

Date of Application (in the United Kingdom), 25th May, 1914

At the expiration of twelve months from the date of the first Foreign Application, the provision of Section 91 (3) (a) of the Patents and Designs Act, 1907, as to inspection of Specification, became operative

Accepted, 5th Aug., 1915

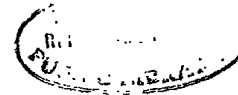
#### COMPLETE SPECIFICATION.

#### Improvements in and connected with Fountain and like Pens.

We, the Firm KLIQ-WERK, FABRIK FÜR GEBRAUCHSGEGENSTÄNDE, G.M.B.H., of Hennef-on-Sieg, Germany, Manufacturers, 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:—

- 5 The present invention relates to fountain pens of the kind in which the nib is carried in a nozzle screwed into the front end of the barrel of the pen by the co-operation of a bar carried in the nib protecting cap. In most fountain pens with retracting nibs; the nib is pushed forward and retracted by means of a guiding member arranged in the interior of the barrel along its whole length and formed with a screw thread, being operated from the other end of the barrel by turning. This type of construction has the disadvantage, on the one hand, that it is comparatively complicated, on the other hand, the capacity of the ink reservoir is considerably reduced by the guiding piece, but this does not apply to the kind of pen to which the present invention belongs.
- 10 Now according to the present invention backward and forward movement of the nib, together with its carrier, is effected, by providing in the centre of the nib carrier or nozzle, towards the outside, a small tapped hole into and out of which a rod mounted in the cap of the pen can be screwed. Thus, this rod engages the nib carrier and takes it with it in both directions for it carries it into the ink barrel when the cap is screwed on and unscrews it from the barrel when the cap is unscrewed. Owing to the screw thread on the rod, the nib carrier can be screwed right into the hollow barrel without any danger of it falling in. At the same time the cap has an internal screw thread and the barrel is provided with a short length of external threads at such a distance from the forward end so that after the rod mounted in the cap has brought the nib carrying member right into the inside of the barrel the cap just begins to engage the external screw thread and can be still further screwed down, to such a distance until the bottom of the cap closes and seals the opening of the ink barrel.
- 20 The invention is more clearly described in connection with the accompanying drawings, in which—

[Price 6d.]



*Improvements in and connected with Fountain and like Pens.*

Figure 1 shows the pen with the nib drawn out, and  
Figure 2 shows it with the nib retracted.

The hollow ink barrel *a* is closed at the rear end in the simplest manner by a screw top *b*. The barrel has the internal screw thread *c* at the forward end and has the external screw thread *d* upon the outer surface at a fixed distance 5 from the end. The nib *e* is mounted in a short nozzle *f* provided with an external screw thread which engages with the screw thread *c*. The pen cap *g* carries the fixed rod *h* at its bottom. This rod at its free end is provided with a screw thread *i* and this engages in a corresponding tapped hole in the nozzle *f*. Finally, the cap has on its inner surface, near the middle, a screw thread which 10 engages over the screw thread *d* upon the outer surface of the pen.

If, now the cap *g* is turned in the right-hand direction the screwed end *i* of the rod *h* engages in the hole in the nozzle *f* so that it unscrews the bolt from the thread *c* and passes it into the inside of the barrel. As soon as the length of thread *c* is passed the nozzle *f* moves freely in the interior of the hollow barrel. 15 However, in this position the internal thread of the cap engages the external thread *d* of the barrel so that any free play of the cap and any sudden entry of the nozzle *f* into the hollow barrel is prevented. Now the cap is screwed slowly further down until its bottom surface reaches the opening in the barrel and seals it. 20

In the same way, the nib with its carrier *f* is conversely withdrawn from the barrel, if the pen is to be got ready for writing. For this purpose the rod *h* draws out the carrier *f* and screws it into the screw thread *c*. The rod *h* then leaves the nozzle *f* so that the cap can be taken off and can be placed on the 25 other end of the pen.

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:—

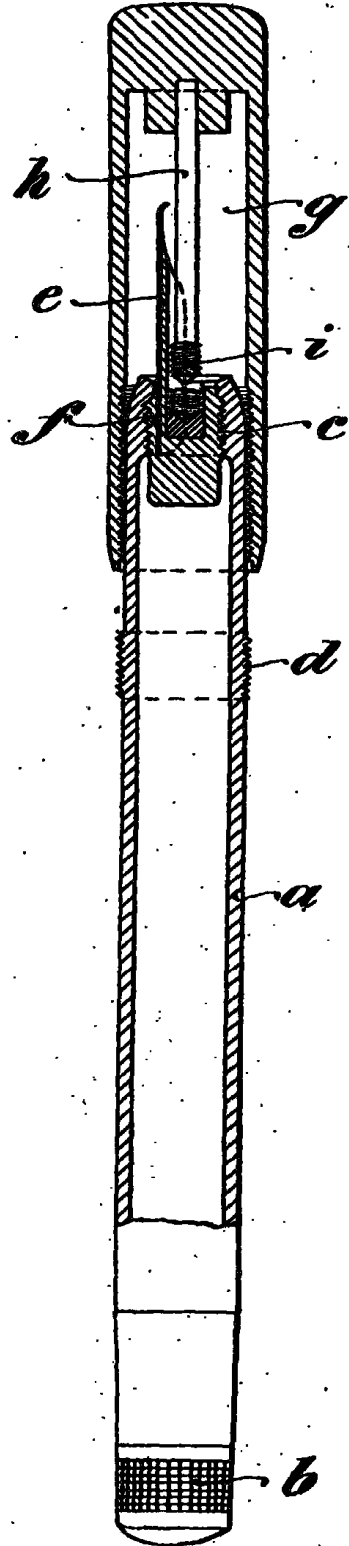
1. A fountain or like pen, of the kind having the nib mounted in a short nozzle or carrier which screws into a screw thread in the inside of the barrel, 30 in which the nozzle is turned by a screwed rod fastened in the pen cap and engaging in a correspondingly tapped hole in the nozzle so that this nozzle can be screwed right into the barrel without falling into the same.
2. A construction of fountain or like pen as claimed in Claim 1, in which the cap, after the nozzle or nib carrier has been screwed right into the barrel, 35 begins to engage an external screw thread provided on the outside of the pen and can be screwed down until the bottom of the cap tightly seals the opening of the barrel.
3. The improved construction of fountain and like pens, substantially as described with reference to the accompanying drawings. 40

Dated this 25th day of May, 1914.

W. P. THOMPSON & Co.,  
285, High Holborn, London, W.C., and at  
Liverpool and Bradford,  
Patent Agents for the Applicants. 45

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

*Fig. 1.*



*Fig. 2.*

