N° 9185 A.D. 1913

(*Under International Convention.*)

Date claimed for Patent under Patents and Designs Act, 1907, being date of first Foreign Application (in Germany), 20th Apr., 1912

Date of Application (in the United Kingdom), 18th Apr., 1913

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, 29th May, 1913

COMPLETE SPECIFICATION.

Improvements in and connected with Fountain Pens.

We, KLIO-WERK, FABRIK FÜR GEBRAUCHSGEGENSTÄNDE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, of Hennef on the 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:—

In fountain pen containers with a retractable nib, it is known for the pen nib to move into or out of the container by turning the top of the container lying at the other end. There is a device between this top and the pen nib which changes the rotating movement of the top into a straight line motion of the pen nib. In these known arrangements, for example, in which the top of the container carries a screw thread while the pen nib is mounted upon a spindle carrying a pin, which engages in the screw thread and also in a groove upon the top which runs parallel with the axis of the container, it is desirable to arrange the necessary mechanism for limiting the travel of the pen nib upon the rotating top of the container and upon the body of the latter instead of on the spindle.

In order to attain this object according to this invention, a circular groove is provided on each of the end surfaces and in these grooves a loose pin is placed so that it can move in both grooves. The lengths of the grooves are so designed that their sum gives the necessary angle of rotation for the travel of the pen nib. The pin may be made circular in cross section or it may also consist of a short flat piece which is bent to suit the curve of the grooves in order to ensure that the pin is guided efficiently.

In Figure 1 of the drawings, such a fountain pen is illustrated, the parts which are not essential to illustrate the novelty being neglected and the top end of the container is in section.

Figures 2 and 3 are end views of the top and body of the container, and Figure 4 shows the circular shaped pin. The rotatable top of the container *a* is in contact with the end of the body of the container *c* and the pin *h*, a light part in the present case, serves to transmit the motion to the pen nib. On the inner end surface of the top of the container *a*, a circular groove *b* is made and

the adjacent end surface of the body of the container *c* is also provided with a circular groove *d*. The loose pin *e* engages in both these grooves so that it can pass through a circular path when the top of the container *a* is turned the length of the path being equal to the sum of the lengths of the two grooves so that the top of the container can make more than one complete turn.

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 container with a retractable pen nib which travels backwards and forwards a limited extent when the top of the container is turned in which the limited travel is effected by a loosely arranged stop pin between the contacting end surfaces of the top of the container and its body which pin moves in a circular groove in each of the two end surfaces.

2. The improved construction of fountain pens, substantially as described with reference to the accompanying drawings.

Dated this 18th day of April, 1913.

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

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A.D. 1913. APRIL 18. N° 9185. (1 SHEET)

THE COMPLETE SPECIFICATION OF KLIO—WERK FABRIK FÜR GEBRAUCHSGEGENSTÄNDE GES.

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

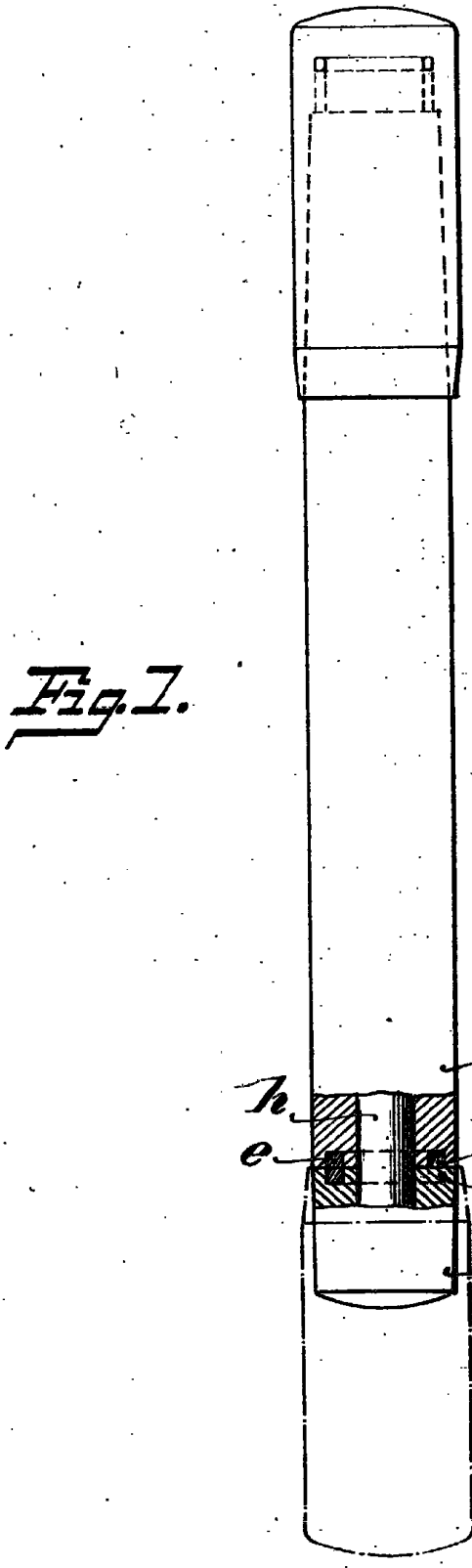

Fig. 1.

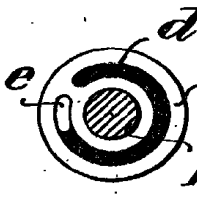

Fig. 2.

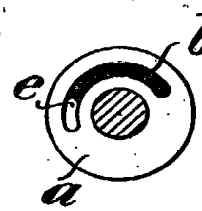

Fig. 3.

Fig. 4.

Malby & Sons, Photo-Litho.