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COMPLETE SPECIFICATION.

Fountain-pens.

I, ALFRED SOENNECKEN, Manufacturer at Bonn on the Rhine, Kirschenallee, Germany, 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 This invention relates to fountain-pens of the nib-retracting type in which the barrel is made of a single piece and in which an annular nut serves to limit the ink-space and to form a seat for the spirally-grooved operating sleeve.

The annular nut is ordinarily made with an external collar, which can be screwed tight against the end of the barrel, through which the rotary sleeve
10 passes and which serves as a plug to keep the barrel tight. It is possible for the plug to be or to become unscrewed so as to allow ink to issue.

According to my invention I avoid the necessity of a screw-plug at the end of the barrel and of the rotary sleeve from passing through said plug, by fixing in the rear end of the sleeve a stem which passes through an internal nut
15 or screwed disc and through suitable packing material, while the rotary sleeve is made to butt against said nut or disc and can be revolved by means of a knob fast on said stem.

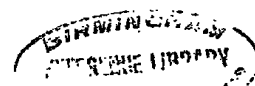
In order that my invention may be clearly understood I will describe the same fully with reference to the accompanying drawing, which is a longitudinal section of the improved fountain pen.
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The barrel *a* of the fountain pen is fitted with the usual screw cap *c* at its open forward end and is made of a single tube in a known manner. Inside of the barrel *a* and suitably distanced from the closed end thereof is a screwed portion in which is seated the annular nut or disc *z*, through which passes the
25 stem *ds* fastened at one end to an external button or knob *d* and at the other end to the usual spirally grooved sleeve *sp*. The nut *z* closes one end of the ink-space *x* and at the same time it serves as a butt for the spirally grooved sleeve *sp* on the one side, and for the packing material on the other side. The sleeve *sp*, spirally grooved, as mentioned, and serving, in the well known
30 manner, to move the nib-holder up and down, is firmly secured by a cross-pin to the stem *ds*, which, in turn, is firmly fixed to the button *d*, preferably by means of a pin traversing both the button and the stem.

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
35 what I claim is:—

A fountain pen of the nib-retracting kind in which the barrel is made of a single piece and in which an annular nut serves to limit the ink-space and to form a seat for the spirally-grooved operating sleeve, characterized by the fact that the said nut is lodged in the interior of the barrel at a distance from
40 the end thereof and forms a butt for the spirally grooved sleeve, while a stem,

[Price 8d.]



Fountain-pens.

fast in the latter and passing through the nut and superposed packing, is connected with an external button or knob, as and for the purpose described and shown.

Dated this 9th. day of October, 1913.

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Patent Agents for the Applicant.

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

