

PATENT SPECIFICATION



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PROVISIONAL SPECIFICATION.

Improvements in or relating to Fountain or Reservoir Pens.

I, ALICE EDNA WADE, of 65, Cavendish Drive, Rock Ferry, in the County of Chester, Painter, do hereby declare the nature of this invention to be as follows:—

This invention relates to fountain or reservoir pens of the "safety" type, that is of the type wherein a feed rod or bar carrying a pen nib is reciprocated within the body or barrel (for the purpose of projecting or retracting the nib) by means of a revoluble helically slotted sleeve or tube, through the slot whereof a pin secured to the feed rod or bar projects into a stationary longitudinal guide or positioning slot.

In a pen, according to the present invention, the rear portion or section is of a lesser length than now customary, so that the helically slotted sleeve or tube projects beyond same, and there is pro-

vided a cylindrical nipple connecting-piece which is externally screw-threaded and is screwed into said rear section, that is, between the interior wall thereof and the helically slotted sleeve or tube, and on which the barrel is screwed.

In the interior wall of the nipple connecting-piece (which completes the housing of said sleeve) there is formed or provided a longitudinal guide or positioning slot in which the projection on the feed bar or stem engages.

In a pen constructed as before described, the ink holding capacity is increased, the cost of manufacture reduced, and the assembling together of the pen components facilitated.

Dated this 10th day of April, 1919.

JOHN HINDLEY WALKER,
139, Dale Street, Liverpool,
Agent for the Applicant.

COMPLETE SPECIFICATION.

Improvements in or relating to Fountain or Reservoir Pens.

I, ALICE EDNA WADE, of 65, Cavendish Drive, Rock Ferry, in the County of Chester, Painter, 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 or reservoir pens of the "safety" type, that is of the kind wherein a rod or bar which carries the writing nib is reciprocated within the pen body or barrel (for the purpose of projecting or retracting the nib) by means of a revoluble helically-slotted sleeve or tube, through the slot whereof a lateral pin secured to said nib-carrying rod projects into a stationary guide or positioning slot: and my invention has for its object to increase the ink-holding capacity, reduce the cost of manufacture, and facilitate the assembling together of the pen components.

In a pen according to the present inven-

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tion, the rear portion or section of the body is of lesser length than now customary, so that the helically-slotted sleeve or tube projects beyond same; and there is provided a nipple connecting piece which is exteriorly screw-threaded and is screwed into said rear section—that is, between the interior wall thereof and the helically-slotted sleeve or tube—and on which the main body or barrel is screwed.

In the interior wall of said nipple connecting piece (which constitutes a housing or casing for said helically-slotted sleeve or tube) there is formed a longitudinal guide or positioning slot wherein the lateral projection of the feed bar or stem engages.

I will further describe my invention with the aid of the accompanying sheet of explanatory drawings, in which:—

Fig. 1 is a longitudinal section of a "safety" pen (the nib being omitted) with nipple housing; Figs. 2 and 3 being,

respectively, longitudinal and transverse section of interior parts viewed at right angles to Fig. 1 and Fig. 4 is a detached view of the housing.

5 *a* denotes the main body or barrel of the pen, *b* is the rear end or section, and *c* is a revoluble sleeve or tube wherein is cut a helical slot *d*: forming an extension of sleeve *c* is a shank *e* at the upper or outer
10 end whereof is attached the head piece *f*. *g* is a nib-carrying rod or bar to which is secured the lateral pin *h*.

15 *i* represents a cylindrical piece or nipple in which is formed a longitudinal slot or recess *j*; it is exteriorly screw-threaded at *j*¹ and forms a connecting piece between the barrel *a* and the rear
20 end or section *b*: said nipple, which is constructed of vulcanite or other suitable material, constitutes a housing or casing for the sleeve *c*.

Said lateral pin *h* of the nib-carrying rod *g* projects through helical slot *d* of revoluble sleeve *c* into the longitudinal
25 guide slot *j* of the stationary casing nipple *i*.

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 what I claim 30 is:—

1. In a fountain or reservoir pen of the "safety" type hereinbefore referred to, a nipple connecting piece—which constitutes a housing for the helically-slotted 35 sleeve—wherein is formed a longitudinal guide or positioning slot for the reception of the lateral projection of the nib carrying rod or bar, and which is exteriorly screw-threaded and connects the rear 40 section of the pen with the main body or barrel portion.

2. The improved "safety" fountain or reservoir pen constructed substantially as hereinbefore described, and illustrated 45 in the drawing annexed hereto.

Dated this 10th day of October, 1919.

JOHN HINDLEY WALKER,
139, Dale Street, Liverpool,
Registered Patent Agent. 50

