

PATENT SPECIFICATION



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159,119

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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, British subject, 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 "safety" fountain or reservoir pens of the type which includes a reservoir body or barrel and a rear end or section detachably secured thereto, and wherein a rod or bar carrying the writing nib is reciprocated within said 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, or the like, secured to said nib-carrying rod projects into a stationary guide or positioning slot; and my invention has for its objects to increase the ink-holding capacity, reduce the cost of manufacture, and facilitate the assembling together of the pen components.

The present invention consists in the provision of a longitudinally slotted or grooved cylinder or casing of suitable material, in which said revoluble helically-slotted sleeve or tube is housed, and into the slot or groove whereof the lateral pin of the nib-carrying rod or bar projects; said housing being secured or anchored to said rear end or section of the pen.

I will further describe my invention with the aid of the accompanying sheet of explanatory drawings, in which are illustrated two modes of embodying same.

In said drawings:—

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

section of interior parts viewed at right angles to Fig. 1.

Fig. 3 is an elevation, and Fig. 4 a longitudinal section taken at right angles to Fig. 3, of a modified construction.

In the several views like characters of reference denote like or equivalent parts wherever they occur.

Referring first, more particularly, to Figs. 1 and 2, *a* denotes the reservoir 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 said sleeve *c* is a shank *e* at the upper or outer end whereof is attached the head-piece *f*. *g* is a nib-carrying rod or bar to which is secured the lateral pin *h*.

i represents a sheet metal cylinder or casing which houses said sleeve or tube *c*, and wherein is formed a longitudinal slot *j* for the reception of the lateral pin *h* of rod *g*; said housing *i* is secured by means of integral intumed tongue pieces *k* to the rear end or section *b* of the pen.

In the modification illustrated in Figs. 3 and 4, projections *k*¹ are formed on a vulcanite housing *i*, which projections respectively enter corresponding slots *l* provided for their reception in the rear section *b*, thus preventing rotary movement of the housing, longitudinal displacement whereof is prevented by the provision on sleeve *c* of an annular shoulder *m* which is adapted to abut against an annular internal sill or projection formed in the housing.

In each of the pen constructions before described the reservoir body or barrel *a* is screwed directly to the rear end or section *b*.

Having now particularly described and ascertained the nature of my said inven-

tion and in what manner the same is to be performed, I declare that what I claim is:—

1. In a fountain or reservoir pen of the
5 “safety” type hereinbefore referred to,
a longitudinally slotted or grooved
cylinder or casing of suitable material in
which said revoluble helically slotted
sleeve or tube is housed, and into the slot
10 or groove whereof the lateral pin of the
nib-carrying rod or bar projects; said
housing being secured or anchored to said

rear end or section of the pen; substan-
tially as described.

2. The “safety” fountain or reservoir 15
pen, having parts constructed, arranged,
and adapted to operate substantially as
hereinbefore described, and illustrated in
Figs. 1 and 2, or Figs. 3 and 4, of the
drawing annexed hereto. 20

Dated this 20th day of October, 1919.

JOHN HINDLEY WALKER,
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Fig. 2.

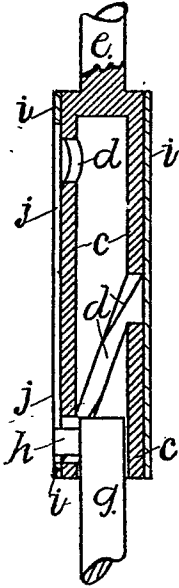


Fig. 1.

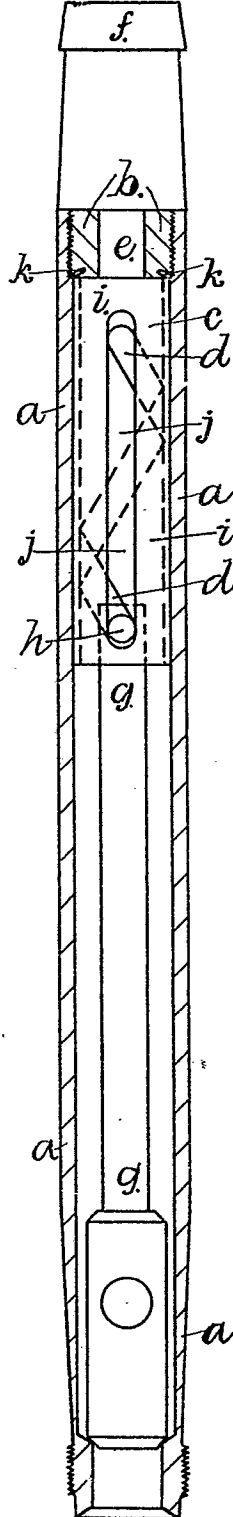


Fig. 4.

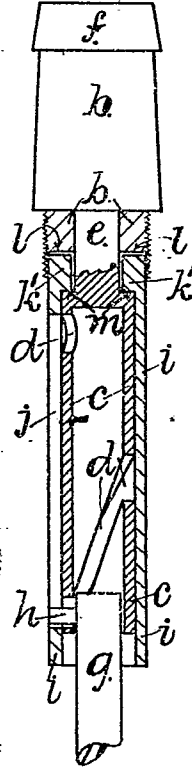


Fig. 3.

