

113,082

PATENT



SPECIFICATION

Application Date, Dec. 15, 1917. No. 18,642/17:

(Patent of Addition to No. 101,241, dated Feb. 26, 1916.)

Complete Accepted, Feb. 7, 1918.

COMPLETE SPECIFICATION.

Improvements in Fountain or Reservoir Pens.

I, DUNCAN CAMERON, Waverley Works, Blair Street, Edinburgh, Director of Limited Company, 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 or reservoir pens of the kind described in my Specification No. 101,241, said pens comprising a collapsible ink container or sac attached to the point section, a barrel surrounding the collapsible sac and having a detachable end portion, and two pressure bars arranged within the barrel upon opposite sides of the sac and extending into the detachable end portion of the barrel so as to be exposed, together with the end of the sac, when the said detachable end is removed.

The present invention is an improvement upon or a modification of the invention described in the said Specification No. 101,241, and has for its object to ensure the more thorough deflation of the sac by the operation of the bars.

15 According to the said invention one of the pressure bars is made considerably shorter than the other, so as to admit of imparting a levering action to the bars after they have been pressed together, whereby the inner end of the longer bar will press or flatten the sac against the wall of the barrel and ensure the complete deflation of the said sac for substantially its entire length.

20 Figure 1 of the accompanying drawings represents a longitudinal section through the pen, with the sac shown in elevation.

Figure 2 illustrates how the pen is filled, and shows the levering action of the bars after they have been pressed together.

Figure 3 is a cross-section on line x , Figure 1.

25 Figure 4 is a cross-section on line x^1 , Figure 2.

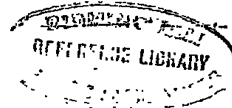
Figure 5 shows the component parts of the pen separated from one another.

The improved pen comprises a collapsible rubber sac a secured to the usual detachable point section b and located within the pen barrel c . The outer end c^1 of the barrel is detachable, being connected to the main portion c by a screw-thread, as at c^2 .

30 Arranged upon opposite sides of the sac a are two metal or other pressure bars d , d^1 , which project into the detachable end c^1 of the barrel, so that, when this end is removed, the said bars, together with the end of the rubber sac, are exposed to view; and by pressing the bars together the sac can be deflated.

35 According to the present invention, however, the bar d^1 is made considerably longer than bar d , as shown, the bar d^1 extending into barrel c for substantially the entire length of the sac, whereas bar d only extends into the barrel for a very

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short distance. By this means after the bars have been pressed together a levering action can be given to them as shown in Figure 2, the longer bar *d* turning about the end of the barrel *c* as a fulcrum so that the inner end of the said bar presses or flattens the sac against the inner wall of the barrel and the said sac is completely deflated for substantially its entire length, thus ensuring a greater quantity of ink entering the sac on the bars being released.

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 is:—

1. In a fountain or reservoir pen of the kind referred to, the employment upon opposite sides of the collapsible ink container or sac, of two pressure bars one of which is considerably longer than the other so as to admit of a levering action being imparted to the bars and the sac pressed against the wall of the pen barrel by the inner end of the longer bar, substantially as and for the purposes herein described.

2. The improved fountain pen as herein described and set forth in the accompanying drawings.

Dated this 14th day of December, 1917.

DUNCAN CAMERON.
By H. N. Skerrett,
24, Temple Row, Birmingham,
Agent for Applicant.

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

