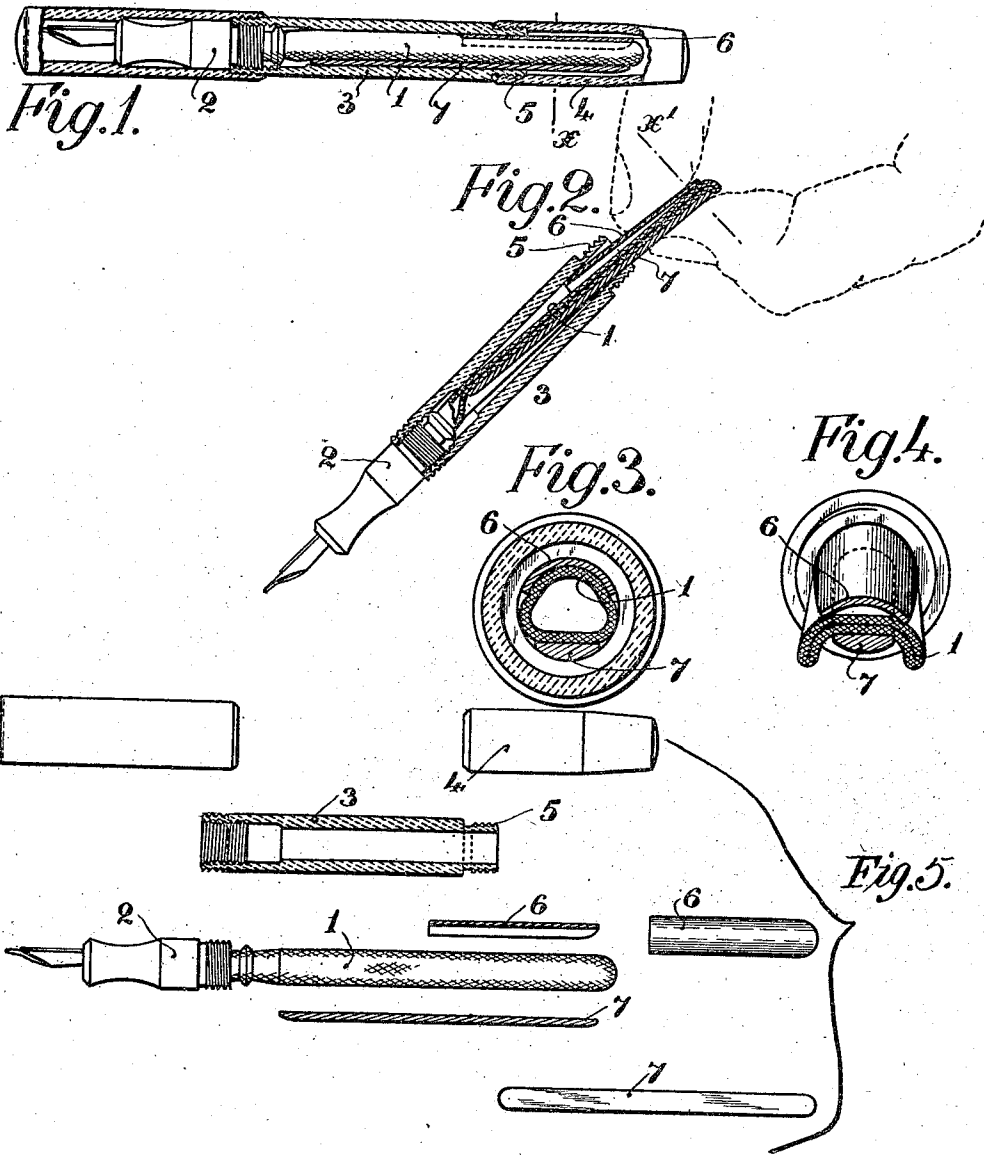


D. CAMERON.
 FOUNTAIN OR RESERVOIR PEN.
 APPLICATION FILED MAY 23, 1918.

1,277,848.

Patented Sept. 3, 1918.



Witnesses:

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DUNCAN CAMERON, OF EDINBURGH, SCOTLAND.

FOUNTAIN OR RESERVOIR PEN.

1,277,848.

Specification of Letters Patent.

Patented Sept. 3, 1918.

Application filed May 28, 1918. Serial No. 237,037.

To all whom it may concern:

Be it known that I, DUNCAN CAMERON, a subject of the King of Great Britain, residing at Edinburgh, Scotland, have invented certain new and useful Improvements in Fountain or Reservoir Pens, of which the following is a specification.

This invention relates to fountain or reservoir pens of the kind 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 object of the present invention is to insure the more thorough deflation of the sac by the operation of the bars.

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 insure the complete deflation of the said sac for substantially its entire length.

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

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

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

Fig. 4 is a cross-section on line *x'*, Fig. 2.

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

The improved pen comprises a collapsible rubber sac 1 secured to the usual detachable point section 2 and located within the pen barrel 3. The outer end 4 of the barrel is detachable, being connected to the main portion 3 by a screw-thread, as at 5.

Arranged upon opposite sides of the sac 1 are two metal or other pressure bars 6, 7, which project into the detachable end 4 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. According to the present invention, however, the bar 7 is made considerably longer than bar 6, as shown, the said bar 7 extending into barrel 3 for substantially the entire length of the sac, whereas bar 6 only extends into the barrel for a very short distance. By this means after the bars have been pressed together a levering action can be given to them as shown in Fig. 2, the longer bar 7 turning about the end of the barrel 3 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 insuring a greater quantity of ink entering the sac on the bars being released.

Having fully described my invention, what I desire to claim and secure by Letters Patent is:—

1. A reservoir pen comprising a point section, a collapsible ink container attached to the point section, a barrel surrounding the ink container, a detachable end portion to said barrel which, when detached, exposes the end of the container, and two pressure bars within the barrel upon opposite sides of the ink container and projecting into the detachable end portion of the barrel, one of said pressure bars being longer than the other and acting as a lever.

2. A reservoir pen comprising a point section, a collapsible ink container attached to the point section, a barrel surrounding the ink container and consisting of a main portion and a detachable end portion, and two pressure bars on opposite sides of the ink container projecting into the detachable end of the barrel, said pressure bars being of different lengths and the longer one being capable of turning about the end of the main portion of the barrel as a fulcrum so as to act as a lever for fully collapsing the ink container.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DUNCAN CAMERON.

Witnesses:

HENRY NORTON SKERRETT,
HARRY OSMOND PRATT.