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F. A. VAN SANT
FOUNTAIN PEN ATTACHMENT

1,746,065

Filed Aug. 14, 1928

Fig. 1.

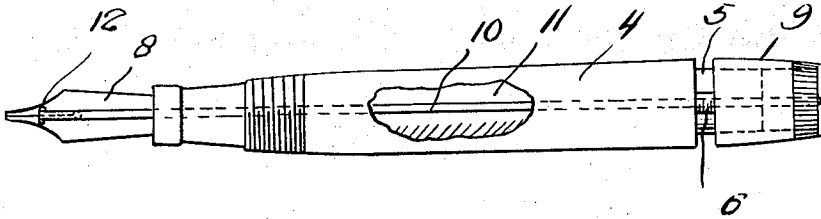


Fig. 2.

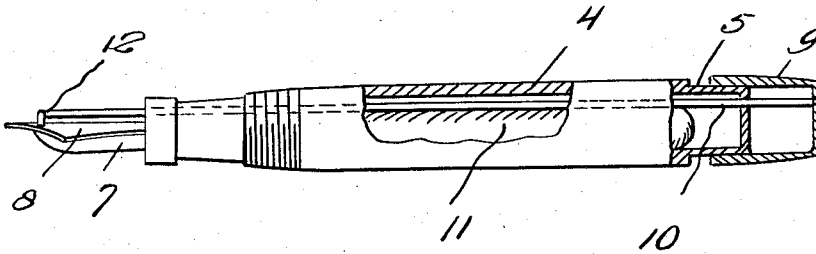
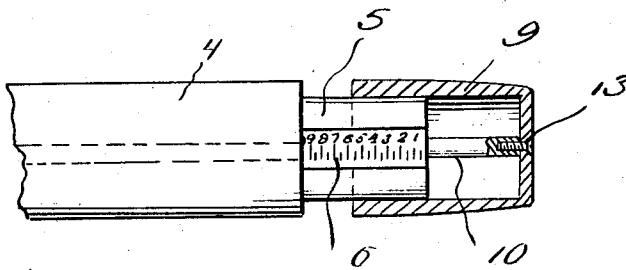


Fig. 3.



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FOUNTAIN-PEN ATTACHMENT

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This invention relates to an improved accessory for fountain pens, preferably in the form of an attachment which is embodied in the pen structure, for regulating the rigidity
5 or flexibility of the writing pen.

More specifically speaking the invention has reference to a longitudinally adjustable device, constructed to bring pressure to bear upon the flexible pen to regulate the flexing
10 action thereof with respect to the ink feed.

My principal aim is to provide an appliance of this class which can be embodied in the present-day type of fountain pen or upon the ordinary writing pen, the invention
15 being characterized by exceptional simplicity in construction and arrangement whereby to minimize the cost of production and sale.

Another object is to provide an invention
20 of this character which can be readily adjusted by the user to render it suitable and desirable to his own personal need.

Other features and advantages of the invention will become apparent from the following
25 description and drawing.

In the drawing:—

Figure 1 is a top plan view of a fountain pen revised, and constructed in accordance with the present invention.

30 Fig. 2 is a side view thereof, with portions shown in section to disclose the arrangement of parts more clearly.

Fig. 3 is an enlarged fragmentary detail view showing the friction filling cap and the
35 cooperating scale.

Referring to the drawings by numerals, it will be seen that the pen barrel 4 is of conventional construction, it being of usual configuration and hollow in construction and
40 having a reduced shouldered portion 5 at one end. Incidentally this portion 5 as shown better in Fig. 3, is equipped with a measuring scale 6. At the left hand end of the barrel is the customary ink feed 7, and writing
45 pen 8. At the opposite end is a cap 9 having snug friction fit on the reduced portion 5, in order that it may be slid back and forth for cooperation with the scale.

The principal improvement constitutes the
50 pressure adjusting device which embodies a

rod 10 extending through the opposite ends of the barrel and interposed between the interior of the barrel and the rubber bag 11 as detailed in Figs. 1 and 2.

On the left hand end of the rod, is an appropriately shaped shoe or head 12, which
55 bears upon and has sliding contact with the pen 8. The opposite end of the rod extends through an eccentric opening in the portion 5, where it is fastened to the cap 9 by a set
60 screw or the like as shown in Fig. 3.

With this arrangement, the cap 9 is adjusted back and forth from the part 5 for cooperation with the scale, whereby to produce
65 sliding movement of the rod 10 and a consequent adjustment of the head 12, back or forth on the pen 8. This permits the rigidity or the flexibility of the pen to be adjusted to suit different requirements.

The scale enables the user to make the adjustment accurately. The invention is intended to be embodied in pen structures, sold
70 for individual use, or for special use by dealers in determining the gage of a pen to be sold to a particular individual. The invention may be marketed and sold in the
75 form shown in the drawings, to enable an individual writing to change the flexibility of his own pen to suit his needs.

Incidentally it may be for different kinds
80 of work, the user would want a fine line or a medium line, or a heavy line, and this can be accurately accomplished with the present attachment in place.

It is thought that the purpose, the construction, and the advantages of the invention will be quite clear after considering the
85 description in association with the drawings, for which reason a more lengthy description is regarded unnecessary.

Minor changes in the shape, size and rearrangement of parts coming within the field of invention claimed may be resorted to if
90 desired.

Having thus described my invention, what
95 I claim as new is:—

1. In a structure of the class described, in combination, a pen including a body having a flexible pen at one end, a rod slidably
100 mounted on the body and provided at one

end with a head in sliding pressure contact with said pen, and adjusting means for said rod carried by said body.

2. In a structure of the class described, a pen including a hollow body, a flexible pen point carried by said body, a rod slidably mounted on and extending through said body, means on one end of the rod bearing slidably against said pen point, and means on the opposite end of the body for adjusting said rod.

3. In a structure of the class described, a pen including a hollow body, a flexible pen carried thereby, a rod slidably mounted upon and extending through said body, means on one end of the body for sliding and pressure contact with said pen, means on the opposite end of the body for adjusting said rod, said last-named means comprising a cap adjustably mounted on the body.

4. In a pen structure of the class described, a barrel of hollow construction having a reduced shouldered portion at one end and having an ink feeder at the opposite end, a flexible pen point at the last-named end of the said barrel cooperable with said ink feeder, a cap slidably mounted on said reduced shouldered portion, a rod in said barrel slidable through the opposite ends thereof and connected at one end to said cap, and a head on the opposite end of the rod cooperating with said pen point.

In testimony whereof I affix my signature.
FRANKLIN A. VAN SANT.

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