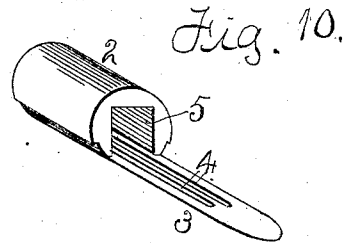
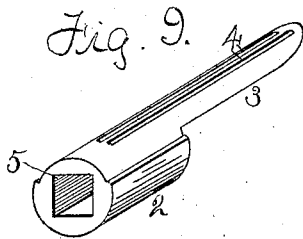
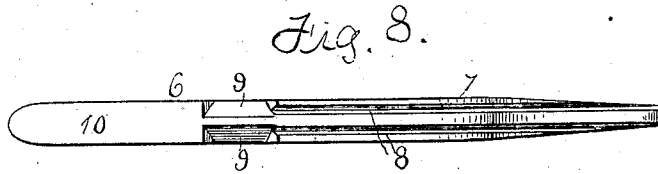
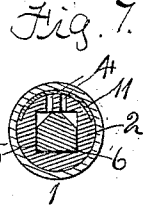
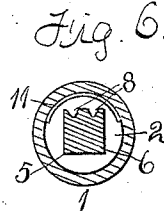
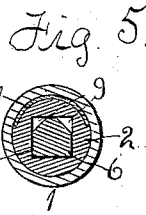
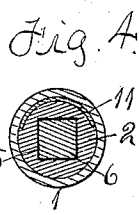
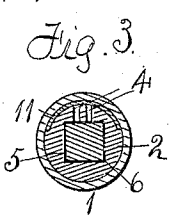
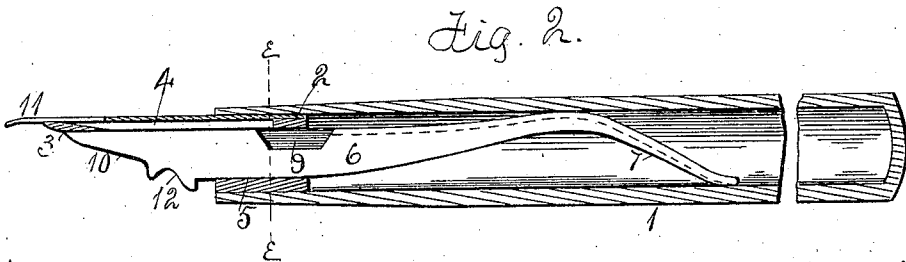
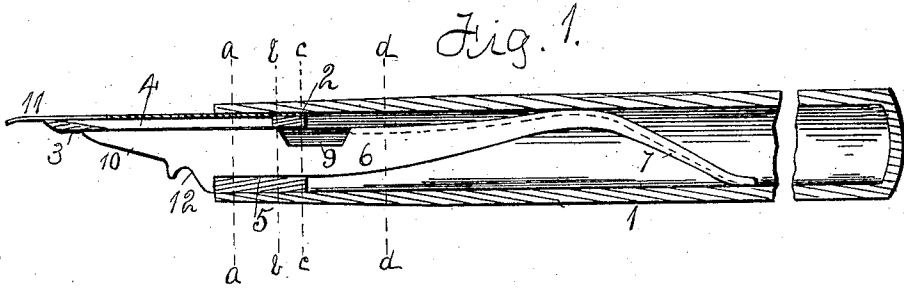


No. 848,620.

PATENTED APR. 2, 1907.

J. S. BARNES.
FOUNTAIN PEN.
APPLICATION FILED DEC. 18, 1905.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN S. BARNES, OF ROCKFORD, ILLINOIS.

FOUNTAIN-PEN.

No. 848,620.

Specification of Letters Patent.

Patented April 2, 1907.

Application filed December 18, 1905. Serial No. 292,232.

To all whom it may concern:

Be it known that I, JOHN S. BARNES, a citizen of the United States, residing at Rockford, in the county of Winnebago, State of Illinois, have invented certain new and useful Improvements in Fountain-Pens, of which the following is a specification.

The object of this invention is to construct a fountain-pen with a regulator or movable section serving to cut off the flow of ink to the pen, also to regulate the flow of ink to the pen.

In the accompanying drawings, Figure 1 is a central lengthwise section of the barrel 1 and a lengthwise section through the pen-holding section through one of the grooves 4. The regulator 6 is not sectioned and is in a position to cut off the flow of ink. Fig. 2 is a similar view, in which a full flow of ink is permitted. Fig. 3 is a transverse section on dotted line *a a*, Fig. 1. Fig. 4 is a transverse section on dotted line *b b*, Fig. 1. Fig. 5 is a transverse section on dotted line *c c*, Fig. 1. Fig. 6 is a transverse section on dotted line *d d*, Fig. 1. Fig. 7 is a transverse section on dotted line *e e*, Fig. 2. Fig. 8 is a top view of the regulator. Figs. 9 and 10 are isometrical representations of the pen-holding section.

The barrel 1 of the pen is of a single piece, without the usual screw-thread connection with the pen-holding section.

Within the open end of the barrel is located a pen-holding section comprising the tubular portion 2 and cut-away portion 3. Two slots 4 are formed in the pen-holding section, and the tubular portion has a rectangular opening 5.

The regulator 6 is of rectangular form in cross-section and has a tail portion 7. The tail portion 7 is provided with two grooves 8, extending in the direction of its length and are located in its upper surface.

The main portion of the regulator is provided with two side cut-away portions 9; extending in the direction of its length and communicating with the grooves 8 in the tail portion.

When the regulator is in position in the central opening 5 in the pen-holding section, the upper face of the outwardly-extending portion 10 thereof will lie in contact with the under face of the cut-away portion 3 of the pen-holding section *a*. (Shown at Figs. 1 and 2.)

At Fig. 1 the regulator is moved in to its

fullest extent, which will bring the outer ends of the cut-away portion 9 thereof inward of the inner ends of the slots 4 in the pen-holding section, thereby cutting off the flow of ink to the pen 11. As the regulator is drawn out into the position shown at Fig. 2 the ink in the barrel of the pen will enter the cut-away portions 9 of the regulator and pass by the closed inner end of the pen-holding section and enter the slots 4 therein and pass to the pen. By moving the regulator the flow of ink will be varied from a full flow to being entirely cut off.

Fig. 4 is a transverse section on dotted line *b b*, Fig. 1, showing the flow of ink entirely cut off, and Fig. 7 showing a full flow to the pen. The grooves 8 in the tail portion form canals or passage-ways for the ink on its way to the side cut-away portion 9 of the regulator. The notch 12, formed in the under face of the forwardly-extending portion of the regulator, receives the thumb-nail of the user, by which the regulator is moved.

By forming the regulator of a shape in cross-section other than a round it will be held from turning axially in order that the side cut-away portions thereof will communicate with the slots in the pen-holding section as the regulator is moved lengthwise.

By forming a cut-off to the ink by the inward movement of the regulator only a very small quantity of ink remains outside of the cut-off.

I claim as my invention—

1. A fountain-pen comprising a barrel portion, a pen-holding section provided with lengthwise slots and a central opening, and a movable portion located within the central opening of the pen-holding section formed with a lengthwise groove and with side cut-away sections communicating with the groove.

2. A fountain-pen comprising a barrel portion, a pen-holding section provided with lengthwise slots and a central opening, and a movable portion located within the central opening of the pen-holding section provided with a tail portion having grooves extending in the direction of its length and the main section of the movable portion formed with side cut-away sections communicating with the grooves.

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