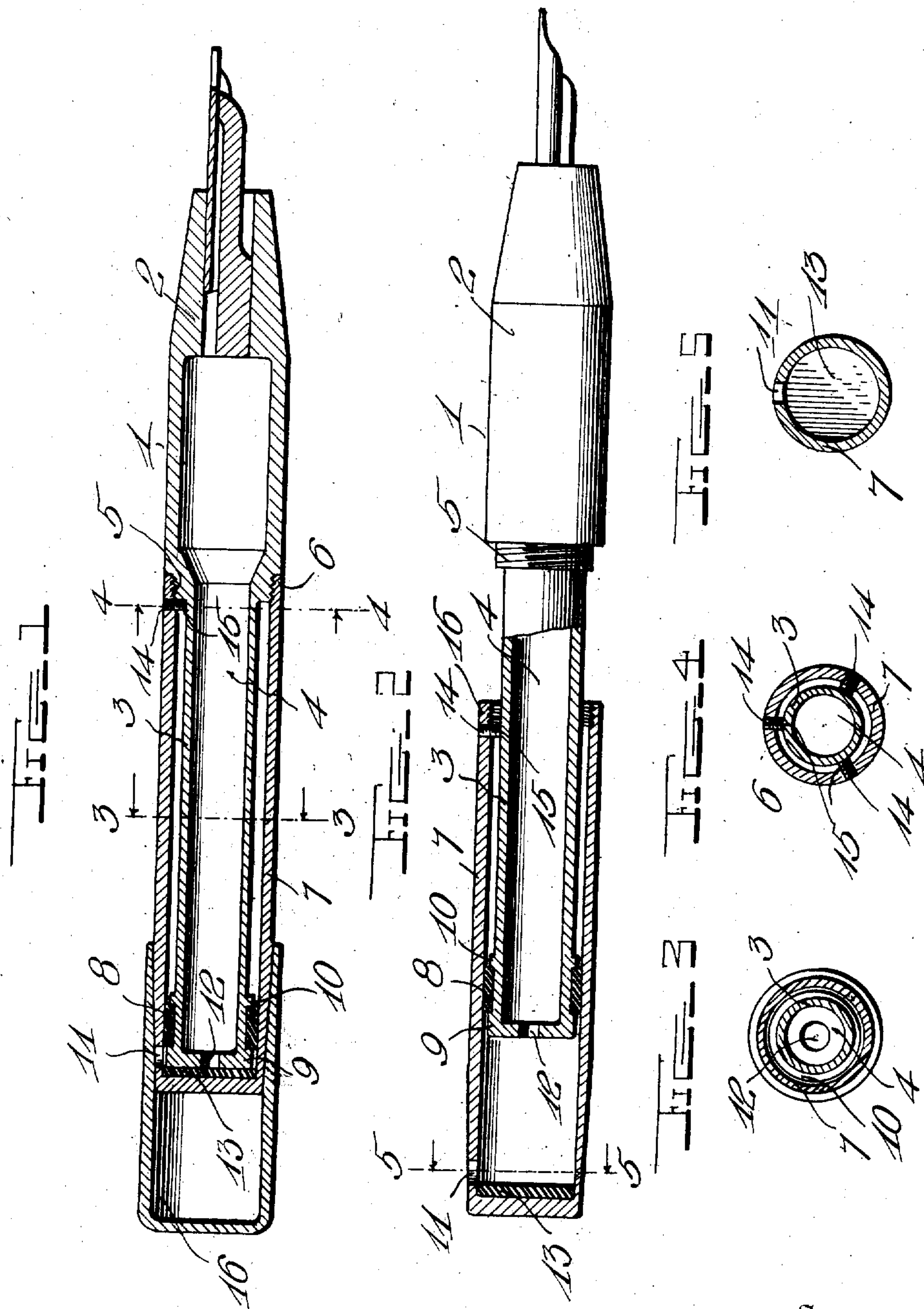


J. A. VOGELMANN.
 FOUNTAIN PEN.
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979,360.

Patented Dec. 20, 1910



Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH ANTHONY VOGELMANN, OF BROOKLYN, NEW YORK.

FOUNTAIN-PEN.

979,360.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH A. VOGELMANN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Fountain-Pens; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in fountain pens and more particularly to pens of the "self-filling" type.

The object of the invention is to provide a pen of this character which is very simple in construction and well adapted for the purpose intended.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a central longitudinal section of a pen embodying my improvements; Fig. 2 is a side elevation, partly broken away, showing the casing in an adjusted position. Fig. 3 is a transverse section, taken on line 3—3 of Fig. 1; Fig. 4 is a transverse section taken on line 4—4 of said figure. Fig. 5 is a sectional view on the line 5—5 of Fig. 2.

Referring to the drawings for a more particular description of the invention, the pen comprises the pen holding section 1, consisting of the outer body portion 2 and the inner reduced portion 3, said portions being hollowed out to provide the ink reservoir 4. At the junction of the body and reduced portions 2 and 3, respectively, of the pen holding section, is formed the exteriorly threaded shoulder 5, upon which is adapted to screw the inner threaded end 6 of the casing 7. This casing is of slightly greater diameter than that of the reduced portion 3 and when in operative position, the outer end thereof fits against the packing ring 8 disposed on the outer surface of the reduced portion 3 between the annular shoulders 9 and 10.

The outer end of the casing 7 is provided with the air vent 11 and said end of the reduced portion 3 of the pen holding section is provided with the air port 12. A rubber washer 13 is arranged at the outer end of the

casing 7 to close the air port 12 when the former is in operative position. The casing 7 is provided at its inner end and at diametrically opposite points with the headless screws 14, the inner ends, as 15, of which project inwardly beyond the inner surface of the casing 7 and form stops which abut against the annular shoulder 10 and limit the outward movement of the casing 7.

The numeral 16, indicates the usual closure which is slipped over the outer end of the pen and which forms no part of this invention.

In filling the pen, the forefinger of the operator is placed over the air vent 11 and the casing 7 withdrawn to its farthest limit which causes the ink to be sucked into the ink reservoir 4 formed in the pen holding section. The finger is then removed from over the air vent 11 and the casing 7 returned to its normal or operative position, which brings the washer 13 over the air port 12. After the casing 7 has been returned to operative position, the inner end thereof is screwed on the threaded shoulder 5 of the pen holding section.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention, as defined in the appended claim.

Having thus described my invention, what I claim is:

A fountain pen, comprising a pen-holding section having an ink reservoir therein and an aperture in its rear end communicating with said reservoir, a raised portion at the forward end of said section, annular shoulders adjacent the rear extremity of said section, a casing loosely surrounding a portion of the pen-holding section and slidable thereon, said casing having an air vent adjacent its rear extremity, means carried by the rear end of the slidable casing for closing the opening in the rear end of the pen-holding section, circularly-spaced studs extending inwardly from the casing and contacting with the periphery of the pen-holding section between the raised forward portion and one of said annular shoulders, and a packing

ring arranged between said annular shoulders and forming an air-tight engagement with the inner wall of the slidable casing whereby when said casing is moved rearwardly a suction is effected within the ink reservoir.

In testimony whereof I have hereunto set

my hand in presence of two subscribing witnesses.

JOSEPH ANTHONY VOGELMANN.

Witnesses:

HENRY M. WALTER,
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