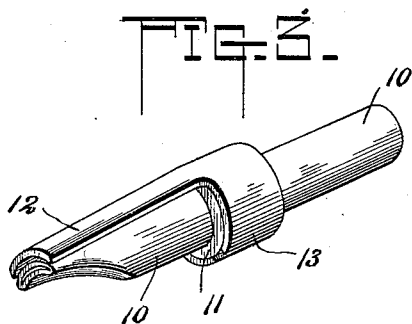
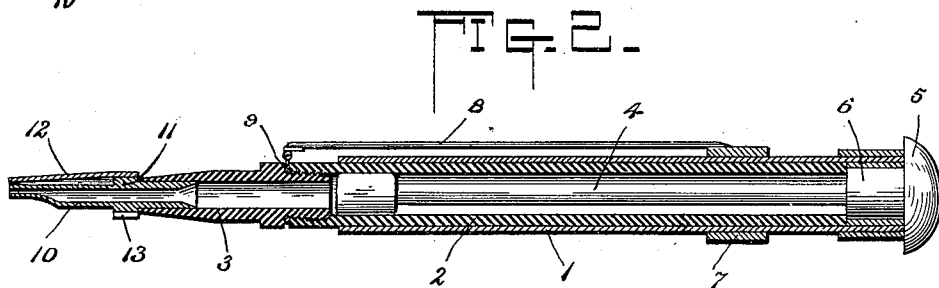
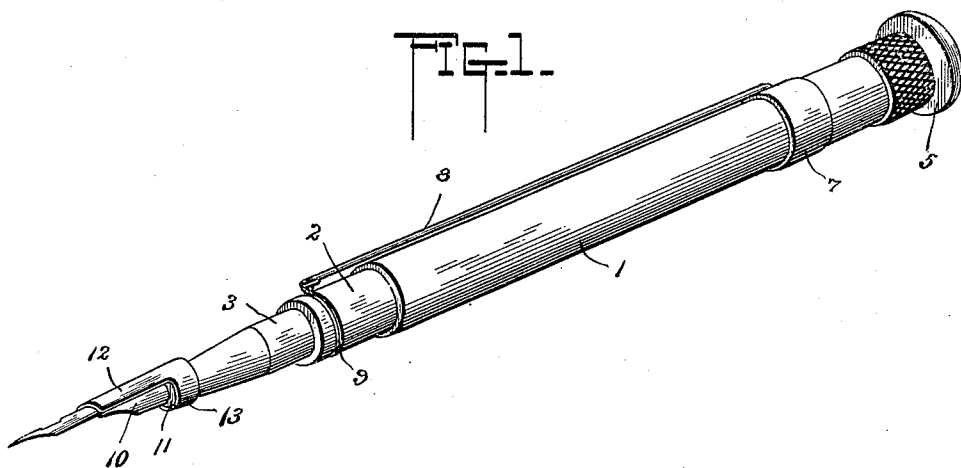


(No Model.)

W. J. ROGERS.
FOUNTAIN PEN.

No. 566,938.

Patented Sept. 1, 1896.



Inventor

William J. Rogers,

Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM JOSEPH ROGERS, OF QUANAH, TEXAS.

FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 566,938, dated September 1, 1896.

Application filed May 28, 1896. Serial No. 593,464. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM JOSEPH ROGERS, a citizen of the United States, residing at Quanah, in the county of Hardeman and State of Texas, have invented a new and useful Fountain-Pen, of which the following is a specification.

This invention relates to fountain-pens, and has for its object to provide an article of this character in which a piston is employed for filling the barrel of the pen with ink by suction and feeding the same to the pen-point, as required, and to so arrange the several parts of the device that they will mutually brace and support each other, so that the handle of the pen or its body will be rigid throughout and afford no loose parts to make the pen unsteady in writing.

Other objects and advantages of the invention will appear in the course of the subjoined description.

The invention consists in a fountain-pen embodying certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and finally pointed out in the claims hereto appended.

In the accompanying drawings, Figure 1 is a perspective view of a fountain-pen constructed in accordance with the present invention. Fig. 2 is a longitudinal section through the same. Fig. 3 is an enlarged detail perspective view of the pen-socket.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

Referring to the drawings, 1 designates the case of the pen, which is of cylindrical form and in which is slidingly mounted the cylindrical barrel 2, forming the ink-reservoir. This barrel may be of hard rubber, glass, or any suitable material and has fitted into its lower or discharge end a tapering nozzle 3, preferably connected to the barrel by a screw-thread joint.

4 designates a piston which is adapted to reciprocate within the barrel 2, being adapted to act by suction and draw a supply of ink upward into the barrel when the nozzle of the pen is submerged in the ink. The stem of the piston 4 extends through the rear open end of the barrel 2 and is provided at its rear

end with a head 5, having a shoulder 6, upon which is tightly but removably fitted the outer cylindrical case 1, above referred to.

7 designates a slide-collar which surrounds the case 1 and is movable lengthwise thereof. A slide-bar 8 is attached rigidly at one end to the collar 7 and is connected at its other end to a ring or washer 9, which embraces the threaded connection between the barrel 2 and the nozzle 3 and lies between the abutting ends of said parts. By grasping the case 1 in one hand and the slide-collar 7 with the fingers of the other hand the ink-barrel 2 may be moved into and out of the outer case 1, either for the purpose of replenishing the supply of ink within the barrel or for feeding the same toward the discharge end of the pen. An ink-duct 10, consisting of a small piece of tubing, is tightly but removably fitted in the discharge end of the nozzle 3, and this duct is provided with an enlarged annular shoulder 11 for receiving the pen-socket piece 12. This socket-piece is of segmental shape in cross-section and extends outward to the discharge end of the duct 10, such outer end of the duct being flattened and also given a segmental shape to correspond with the piece 12. At its inner end the piece 12 is provided with short extensions or clip portions 13, which embrace the annular shoulder or collar 11 for holding said piece in place. The shank of the pen is inserted between the duct 10 and the socket-piece 12, which brings the discharge end of the duct into good feeding relation to the pen-point.

By means of the construction above described it will be seen that it is an extremely easy matter to fill the pen with ink and to feed the same toward the pen-point, as required; also, that by reason of the telescopic connection between the outside piece and the sliding ink-barrel these parts mutually support and brace each other and thus afford a pen body or handle which is rigid and which is without loose parts which may wobble and render the pen unsteady in use.

Changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new is—

1. A fountain-pen comprising an outer case, an ink-barrel telescoping therein and provided with a nozzle, a piston having connection with the outer case and arranged to
5 slide within the ink-barrel, a slide-collar surrounding the outer case and a connection interposed between said collar and the ink-barrel whereby the latter may be adjusted relatively to the outer case, substantially as described.
10

2. The combination with the nozzle of a fountain-pen, of a tubular duct inserted in the discharge end of the nozzle and provided

with an annular collar, and a pen-socket piece partially embracing said duct and provided 15 with clip portions for embracing said collar, substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 20 the presence of two witnesses.

WILLIAM JOSEPH ROGERS.

Witnesses:

HENRY B. WARDE,
J. P. WOOLLERIGHT.