(No Model.)

W. POST.

FOUNTAIN PEN.

No. 510,145. Patented Dec. 5, 1893.

FIG. 1.

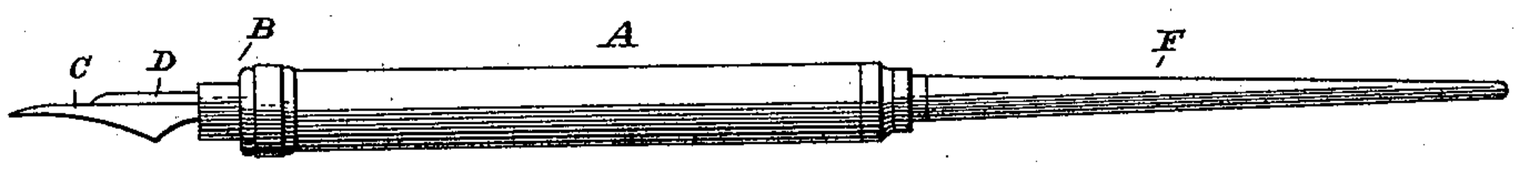


FIG. 2.

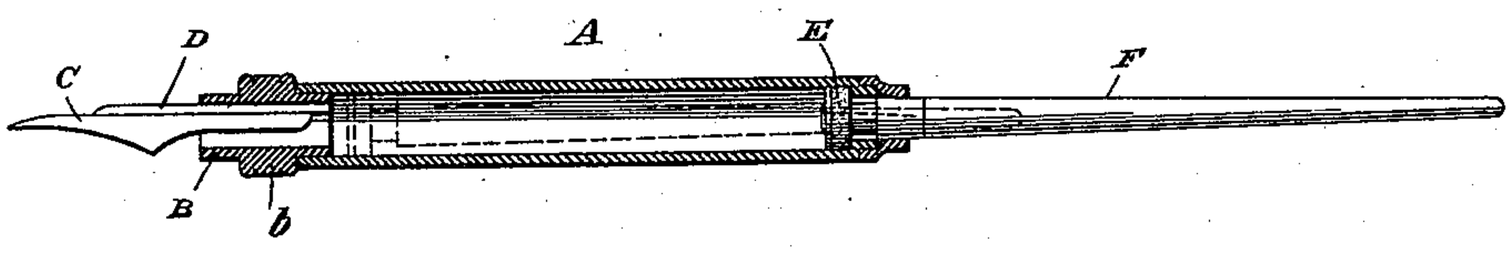
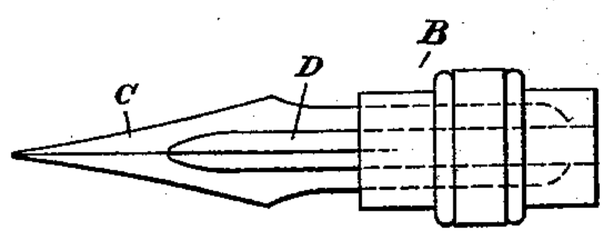


FIG. 3.



Witnesses
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FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 510,145, dated December 5, 1893.

Application filed July 24, 1893. Serial No. 481,290. (No model.)

To all whom it may concern:

Be it known that I, WOODRUFF POST, a citizen of the United States, residing at Olean, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Fountain-Pens; and I do hereby 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.

My present invention relates to an improvement in fountain pens, the object thereof being to provide an ink-lifting fountain pen operating by means of a handle-provided plunger, and the invention therefore consists in the construction, arrangement and combination of parts substantially as will be hereinafter described and claimed.

In the annexed drawings illustrating my invention: Figure 1 is a side elevation of my improved fountain pen. Fig. 2 is a longitudinal section of the same. Fig. 3 is an enlarged detail elevation of the pen stock.

Similar letters of reference designate corresponding parts throughout the several views.

A designates the main hollow or tubular barrel, which provides an elongated ink-containing chamber, said barrel being made out of any suitable material such as gutta percha or any other well adapted substance and being of any required size and configuration.

The hollow barrel A receives at one end the pen stock B, having thereon the annular enlargement *b* which provides a shoulder abutting against the end of the barrel A when the pen stock has been fixed in place. Pen stock B may either be screw-threaded to engage the barrel, or it may be made smooth and pressed in tightly so as to be air tight. This stock B can therefore be readily removed from the barrel A and replaced therein whenever desired. It is hollow and internally provided with oppositely-located grooves on its inner side which receive the pen C, properly shaped and constructed to be thus securely fitted in place within the pen stock. On the back of the pen C is the spring feeder D. The exact form and pattern of the pen and of the feeder may vary within wide limits. The material feature is that there be provided a removable pen stock carrying the pen and feeder which stock can be readily detached from or attached to the barrel.

Located within the barrel A is a piston or plunger E, made of cork, rubber or any other suitable material. This plunger E is securely fastened to the inner end of a rod or handle F, which projects through that end of the barrel A opposite to where the stock B is located, and through said end of the handle A the rod F works tightly so as to prevent any ink from passing out through the joint at this point. Said joint is obviously an air tight joint. Consequently the user of the pen by drawing the handle F and the plunger E from the position shown in dotted lines in Fig. 2 outward into the position shown in full lines in the same figure, can by suction cause the barrel A, to be filled completely full of ink. Thus I provide a ready and easy means for quickly and effectually filling the pen with ink.

Any ordinary and suitable cap may be employed for covering the pen C when it is not in use. The operation and adaptation of my improved pen to manifold uses and the ease and efficiency with which it may be employed will be readily apparent to those skilled in the art to which the invention appertains and it is unnecessary to explain the same at this point at any length. The readiness with which the pen can be filled with ink constitutes one of its chief excellencies.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a fountain pen, the combination of the main barrel, the pen stock inserted in the end thereof and having an annular enlargement thereon which provides a shoulder abutting against the end of the barrel when the pen-stock has been fixed in place, said pen-stock being provided internally with oppositely-located grooves, the pen which is securely fitted in place within the internal grooves and pen-stock and the spring feeder acting upon the back of the pen, substantially as described.

2. In a fountain pen, the combination of the main barrel, a plunger working therein, a handle attached to the plunger and passing

through an air tight joint in one end of the barrel, a pen stock inserted into the opposite end of the barrel and provided with a shoulder which abuts against the end of the barrel when the pen-stock is in place said pen-stock being provided internally with oppositely located grooves, the pen inserted within said grooves and the spring feeding devices likewise located within the pen-stock and acting upon the back of the pen, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WOODRUFF POST.

Witnesses:
E. E. ALDERMAN,
ALLAN B. WILLIAMS.