

No. 758,930.

PATENTED MAY 3, 1904.

G. S. PARKER.
FOUNTAIN PEN.

APPLICATION FILED NOV. 30, 1903.

NO MODEL.

Fig. 1.

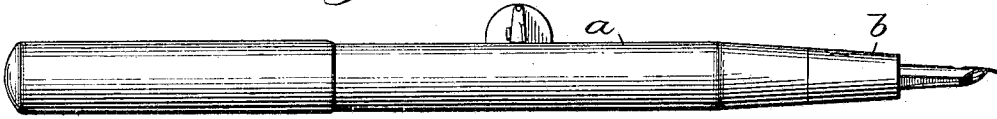


Fig. 2.

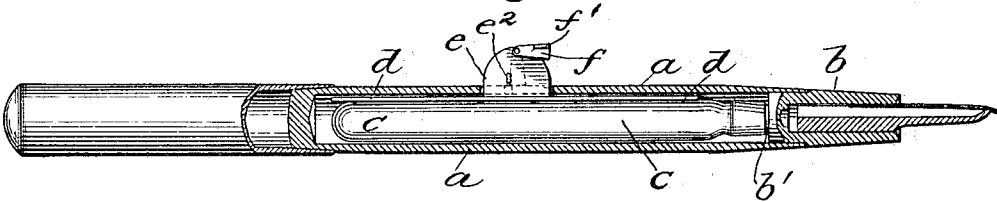


Fig. 3.

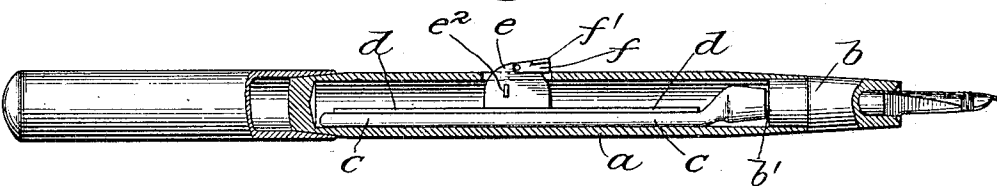


Fig. 4.

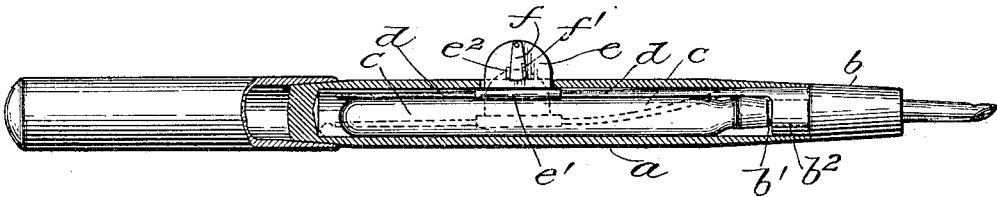
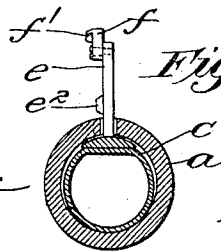


Fig. 5.



Witnesses:

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GEORGE S. PARKER, OF JANESVILLE, WISCONSIN.

FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 758,930, dated May 3, 1904.

Application filed November 30, 1903. Serial No. 183,156. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. PARKER, a citizen of the United States, residing at Janesville, in the county of Rock and State of Wisconsin, have invented a certain new and useful Improvement in Fountain-Pens, of which the following is a full, clear, concise, and exact description.

My invention relates to a fountain-pen, and has for its object to provide an improved construction for self-filling pens, by which the ink may be readily drawn into the barrel through the nozzle.

I will describe a fountain-pen embodying my invention by reference to the accompanying drawings, in which—

Figure 1 is a side view of my improved fountain-pen. Fig. 2 is a longitudinal sectional view thereof. Fig. 3 is a sectional view similar to Fig. 2, but showing the presser pushed in to compress the ink bag or reservoir preparatory to filling the pen. Fig. 4 is a longitudinal sectional view of a modified form of self-filling fountain-pen, in which the presser-bar is carried by the nozzle. Fig. 5 is a view in cross-sectional view of the pen shown in Fig. 2.

The same letters of reference are used to designate the same parts wherever they are shown.

The self-filling fountain-pen shown in the drawings comprises a barrel *a*, into the end of which the nozzle *b* is fitted, said nozzle carrying the pen and feeder at its forward end. The rear portion of the nozzle carries a flexible ink-reservoir *c*, which may be a bag of soft rubber, the mouth of which is stretched over a tubular projection *b'* of the nozzle.

A presser-bar *d* is provided inside the barrel lying against the elastic ink-reservoir. Said presser-bar is provided with a rib or handle *e*, which projects through a slot in the side of the barrel. By pressing upon this projection the presser-bar can be forced against the reservoir to compress the same against the inside of the barrel. In order to prevent the presser from being pushed in while the pen is in use, a rotatable cam-lock *f* is pivoted to the upper portion of said projecting rib or

presser *e*, so as to swing down against the side of the barrel, as shown in Fig. 1. When it is desired to fill the pen, the lock *f* is swung into the position shown in Fig. 2, so that said presser *e* is free to be pushed in to the position shown in Fig. 4. This moves the presser-bar *d* against the flexible ink-reservoir to compress the same. Now if the end of the pen be dipped into ink and the presser released the rubber ink-reservoir *c* in expanding will draw in the ink through the nozzle of the pen. When the reservoir is full, the cam-lock *f* may be again swung into the position shown in Fig. 1 to prevent accidental compression of the ink-reservoir. Such compression while the reservoir is full would of course cause the ink to be spurted out in a stream from the end of the pen.

I preferably provide an ear *f'* upon the edge of the cam-lock *f*, whereby the same may be more readily manipulated. I also preferably provide an ear or projection *e'* upon the side of the presser-plate *e*, against which the lock *f* may abut to hold said lock in its closed position.

In Fig. 4 I have shown a modified form of self-filling fountain-pen in which the presser-bar is mounted upon the nozzle. In the form shown in Fig. 4 the inner tubular mouthpiece *b'* is surrounded by a collar *b²*, which is fastened rigidly thereto and is of a size to fit snugly into the mouth of the barrel. This collar *b²* is, in effect, practically a part of the nozzle. It is provided with a long extension or tongue *d*, which extends rearwardly inside the barrel above the rubber ink-reservoir and is adapted to serve as a presser-bar. A rib or handle *e* is provided for the presser-bar projecting through and freely movable in the slot in the side of the barrel. This rib *e* may be provided with a loop or stirrup *e'* upon its foot, through which the presser-bar *d* may be inserted when the nozzle is fitted into the barrel of the pen. This loop or foot *e'* of the projecting rib *e* simply serves to hold the tongue or presser-bar *d*. When the rib *e* is depressed, the presser-bar is bent down into the position shown by the dotted lines in Fig. 4 to compress the ink-reservoir.

I claim—

1. In a self-filling fountain-pen, the combination with an elastic ink-reservoir, of a presser-bar, a rib on said presser-bar, a rotatable cam-lock pivoted on the side of said rib near the top, and a stop e^2 upon said rib against which the rotatable cam-lock is adapted to abut to hold the lock in its closed position.
2. In a self-filling fountain-pen, the combination with the barrel, of the nozzle fitting into said barrel and carrying the pen and feeder, the compressible ink-reservoir inside the barrel, the mouth of said reservoir being fastened at the rear of the nozzle to receive and discharge the ink through the same, an elastic finger mounted upon said nozzle and extending rearwardly inside the barrel over the ink-reservoir, and a presser arranged to move in and out through a slot in the side of the barrel, to press said finger against the ink-reservoir, said presser being provided with a stirrup for holding said finger.

3. In a self-filling fountain-pen, the combi-

nation with the barrel, of an elastic ink-reservoir, a presser-bar, a rib on said presser-bar projecting through the barrel, and a cam-lock pivoted on the side of said rib near the top adapted to abut against the side of the barrel to prevent the inward movement of the presser-bar.

4. In a self-filling fountain-pen, the combination with the barrel, of an elastic ink-reservoir, a presser-bar, a rib on said presser-bar projecting through the barrel, a cam-lock pivoted upon the side of said rib near the top adapted to engage the barrel to prevent inward movement of the presser-bar, an ear f' carried by said lock, and a stop e^2 upon said rib against which said cam-lock is adapted to abut, whereby said lock is held in its closed position.

In witness whereof I hereunto subscribe my name this 23d day of November, A. D. 1903.

GEORGE S. PARKER.

Witnesses:

CORA A. BROWN,

JOHN YOLLNER.