

No. 879,296.

PATENTED FEB. 18, 1908.

F. H. MOONEY.
SELF FILLING FOUNTAIN PEN.
APPLICATION FILED AUG. 19, 1907.

Fig. 1.



Fig. 2.

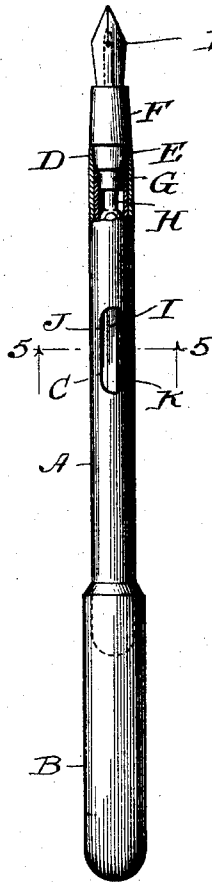


Fig. 3.

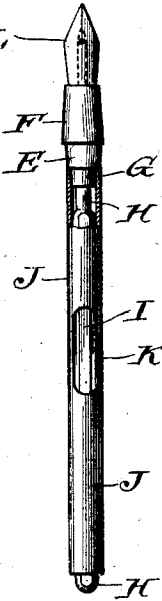


Fig. 4.

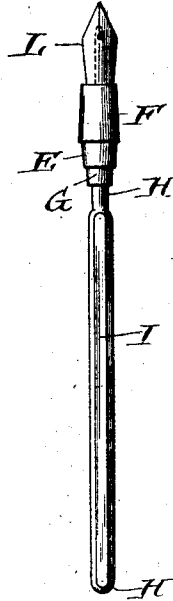
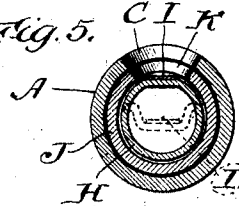


Fig. 5.



Witnesses
Ray White
M. H. Olsen.

Inventor
Frank H. Mooney.
By Morgan & Rubinstein,
Attys

UNITED STATES PATENT OFFICE.

FRANK H. MOONEY, OF CHICAGO, ILLINOIS.

SELF-FILLING FOUNTAIN-PEN.

No. 879,296.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed August 19, 1907. Serial No. 389,223.

To all whom it may concern:

Be it known that I, FRANK H. MOONEY, a citizen of the United States, residing at 763 South Kedzie avenue, in the city of Chicago, county of Cook, and State of Illinois, have invented a new and useful Improvement in Self-Filling Fountain-Pens, of which the following is a specification.

The object of my invention is to simplify and cheapen the construction, expedite the filling, secure its contents from accidental discharge, and eliminate all projections from the outside of the barrel.

The manner in which I accomplish my object is described in the following specification and illustrated in the accompanying drawings in which

Figure 1 shows the pen closed, Fig. 2 shows the pen in position for use, Fig. 3 shows the pen; penholder, collapsible ink chamber and inclosing tube, part of which is in section; Fig. 4 shows the pen; penholder and collapsible ink chamber with the compression bar affixed thereto, Fig. 5 is a cross section on the line 5—5 Fig. 2.

In the drawings A is the barrel and B the reversible end case. In one side of the barrel A is an aperture C, and the interior end D is slightly tapering to form a friction fit for the part E of the pen holder F. Extending from the part E is a smaller shouldered part G and the interior of this part is adapted for the insertion of the small end of the collapsible ink chamber H which is affixed therein. On one side of this ink chamber a narrow bar I is permanently affixed, and over this chamber and bar is an inclosing tube J, one end of which fits friction tight on the shouldered part G of the penholder F. In one side of this tube is an aperture K, when the tube J is adjusted properly on the penholder this aperture is directly over the bar I, and when the penholder is adjusted in the barrel A this aperture K is adapted to register with aperture C in the barrel A as shown in Figs. 2 and 5. When in that position in the barrel A the pen L is in the right position for writing, the apertures C and K and the bar I being in position for insertion of the end of a finger in said apertures and its pressure on said bar, whereby said bar and ink chamber is forced down to the position shown by the dotted lines in Fig. 5, thereby collapsing the

ink chamber H. While held in this position the pen is dipped into an ink well, the finger is then removed from the bar I and the chamber is instantly filled with ink; the pen can then be used without any change in the position of the parts shown in Fig. 2, and may be refilled by the same movement of the finger whenever the chamber is emptied while the pen is in use.

When the pen is to be closed the pen holder F is given a quarter or half turn in the barrel A. This movement of the holder F turns the ink chamber H and tube J in the barrel A, and brings the body of the tube under the aperture C in the barrel A as shown in Fig. 1. The part B is then placed over the pen. This position of the tube in the barrel completely secures the contents of the ink chamber from any pressure until the pen holder is again turned in the barrel to bring the aperture K into registration with the aperture C, as described.

What I claim and desire to secure by Letters Patent is:

1. A pen of the kind described, consisting of the barrel having a side aperture and interior tapering end; the penholder adapted to be rotatably supported in said end of said barrel, and to support a tube and ink chamber; the tube supported on said penholder, said tube being insertible in said barrel and rotatable therein, and having a side aperture adapted to register with said aperture in said barrel; and a collapsible ink chamber supported in said penholder and said tube; and the pressure bar affixed on said ink chamber adapted to be actuated by pressure applied through said apertures in said barrel and tube.

2. In a pen of the kind described, the combination with the barrel, said barrel having a side aperture; of a pen holder rotatably supported in the end of said barrel, said penholder supporting a tube insertible and rotatable in said barrel, and having a side aperture, and a collapsible ink chamber inclosed in said tube and compressible by means insertible through said apertures in said barrel and tube.

3. In a pen of the kind described, the combination with a barrel having a side aperture, a pen holder movably supported in said barrel, a collapsible ink chamber attached to

said pen holder and inclosed in said barrel,
said chamber being compressible by means
insertible through said aperture in said bar-
rel; of a member movably supported in said
5 barrel intermediate of said chamber and bar-
rel, said member being in contact with said
pen holder and movable with it and adapted

when moved by said pen holder to close said
aperture.

FRANK H. MOONEY.

Witnesses:

THOMAS J. MORGAN,
JOSEPH STAAB.