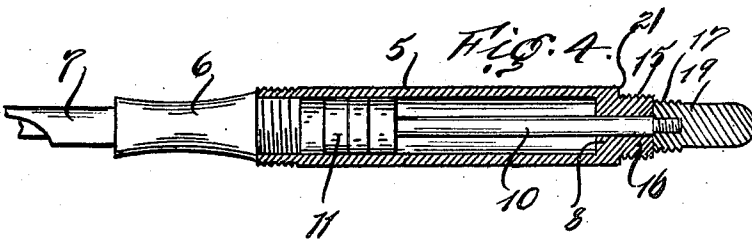
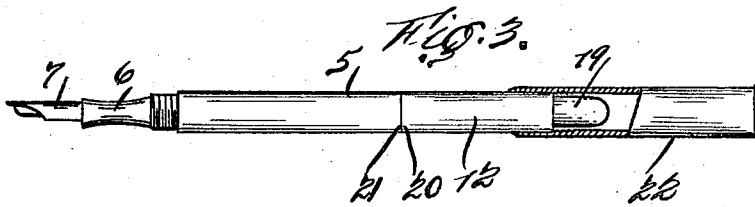
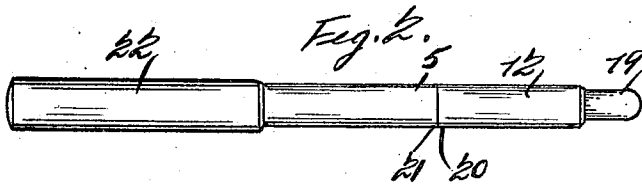
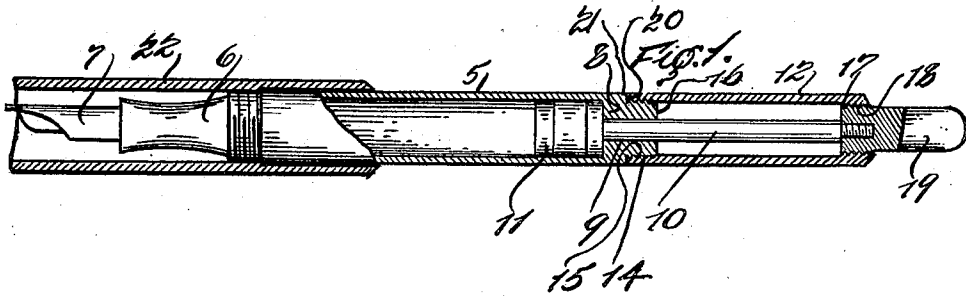


M. FINSTONE.  
FOUNTAIN PEN.

APPLICATION FILED MAY 5, 1921.

1,402,409.

Patented Jan. 3, 1922.



Inventor  
Marry Finstone  
By his Attorney  
Maurel Koch

# UNITED STATES PATENT OFFICE.

MARX FINSTONE, OF BROOKLYN, NEW YORK.

FOUNTAIN PEN.

1,402,409.

Specification of Letters Patent.

Patented Jan. 3, 1922.

Application filed May 5, 1921. Serial No. 467,145.

To all whom it may concern:

Be it known that I, MARX FINSTONE, a resident of Brooklyn, Kings county, State of New York, and a citizen of the United States of America, have invented certain new and useful Improvements in Fountain Pens, of which the following is a specification.

This invention relates to improvements in self-filling fountain pens of the plunger type, or that type which employs a reciprocable piston to fill the barrel within which it is placed. One of the objects of my invention is to provide a two part barrel pen having a cap that will fit either end, one end carrying the pen section, the other end having projecting therefrom a handle provided to assist in the operation of the plunger. A further object of my invention is to provide means to lock the plunger against movement after it has been operated to fill the barrel, the locking means normally forming a continuation of the barrel of the pen, but arranged for removal when the plunger is to be actuated.

A more detailed description of my invention will hereinafter appear in connection with the accompanying drawing, wherein:—

Fig. 1 is a longitudinal sectional view, partly in elevation, of a pen embodying my improvements;

Fig. 2 is a side view, in elevation, on a reduced scale, illustrating the pen in non-use condition;

Fig. 3 is a similar view, partly in section, illustrating the pen in condition for use; and

Fig. 4 is a longitudinal sectional view, illustrating the pen in condition to be filled.

My improved pen consists of the usual barrel member 5 carrying a pen section 6 at one end, which in turn carries a pen 7, said barrel member 5 being closed at one end as at 8, excepting for the opening 9 through which the piston 10 for the plunger 11 passes. Fig. 1 illustrates the pen as having been filled. Under this condition plunger 11 will be located at the closed end of the barrel 5. To fill the pen, the plunger will be moved to the pen section end of the barrel (see Fig. 4), to exclude air from the barrel. When plunger 11 is again drawn to closed end of the barrel, ink will be drawn into the barrel.

After the barrel is filled, it is desirable that the plunger be held against movement in

order that the ink will not be forced out of the barrel. To accomplish this result, I provide a supplemental tubular barrel member or extension 12 which is removably secured to the closed end of the barrel, and which forms an extension of the barrel under normal conditions. At such times when the barrel is filled, the plunger 11 will be located, as has been stated, at the closed end of the barrel; hence, piston 10 will extend from the closed end of the barrel, and unless held against movement could be forced inwardly, whereby ink would be forced out of the barrel. To hold the piston against movement, I utilize the supplemental tubular extension 12. To removably connect the extension 12 to the barrel 5, I provide the same with threads 14 at one end to engage the threads 15 on the nib 16 extending from the closed end of the barrel 5, and the opposite end with threads 17 to engage threads 18 carried by the handle 19 for the plunger 10. The diameter of the threaded nib 16 will be greater than the diameter of the handle 19; hence, the extension can be removed from the barrel 5 or applied thereto by being slipped over the handle 19.

When the pen is to be filled, extension 12 will be removed by rotating same to cause the threaded portions to be unscrewed from the nib 16 and handle 19, after which it can be slipped off over handle 19. After the pen has been filled, extension 12 will be slipped over handle 19 and moved toward nib 16 until threads 14 and 15 engage. At the same time, threads 17 and 18 will engage, after extension 12 has been rotated to cause end 20 of the extension 12 to abut end 21 of the barrel 5, the barrel, extension and plunger will be locked together, forming a rigid structure, and locking the plunger against movement. 22 indicates a cap which is applicable to either end of the pen, as is usual. The handle 19 is preferably of a color differing from the color of the rest of the pen.

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

1. In a self-filling fountain pen, a barrel, a plunger within same, a rod carried by the plunger passing through one end of the barrel, and extending therefrom, when said barrel is filled, a removable tubular extension carried by the barrel to cover said rod, and means carried by the extension to lock the plunger against movement after said bar-

rel has been filled and the extension applied to the barrel.

2. In a self-filling fountain pen, a barrel, a plunger within same, a rod carried by the plunger passing through one end of the barrel and extending therefrom when the barrel is filled, a removable tubular extension carried by the barrel to cover said rod, a threaded handle carried by the rod at its outer end, and threads carried by the adjacent end of the barrel extension to engage the threads on the handle when said extension is applied to the barrel.

3. In a self-filling fountain pen, a barrel, a plunger within same, a rod carried by the plunger passing through one end of the barrel and extending therefrom when the barrel is filled, a removable tubular extension carried by the barrel to cover said rod, a threaded handle carried by the rod at its outer end, and threads carried by the adjacent end of the barrel extension to engage the threads on the handle, when said extension is applied to the barrel, said extension having a threaded engagement with the barrel of the pen.

4. In a self-filling fountain pen, a barrel, a plunger within same, a rod carried by the plunger passing through one end of the barrel and extending therefrom when the barrel is filled, a removable tubular extension carried by the rod at its outer end, and

threads carried by the adjacent end of the barrel extension to engage the threads on the handle, when said extension is applied to the barrel, said extension having a threaded engagement with the barrel of the pen, the diameter of the threaded portion of the extension, which engages the barrel being greater than the diameter of said handle and its threaded portion, whereby said extension can be slipped over said handle.

5. In a self-filling fountain pen, a barrel, a plunger within same, a rod carried by the plunger passing through one end of the barrel and extending therefrom when the barrel is filled, a removable tubular extension carried by the barrel to cover said rod, a handle carried by the rod of less diameter than the bore of the extension and also of that portion of the extension which engages the barrel, whereby said extension can be slipped over said handle, and means carried by the extension to engage said handle to lock the plunger against movement.

6. In a self-filling fountain pen, a barrel member, a tubular extension removably connected thereto, a plunger within the barrel, operating means for the plunger normally located within the extension, and means to rigidly connect the extension and plunger operating means.

MARX FINSTONE.