

No. 795,569.

PATENTED JULY 25, 1905.

T. P. AMBROSE.
FOUNTAIN PEN.

APPLICATION FILED DEC. 6, 1904.

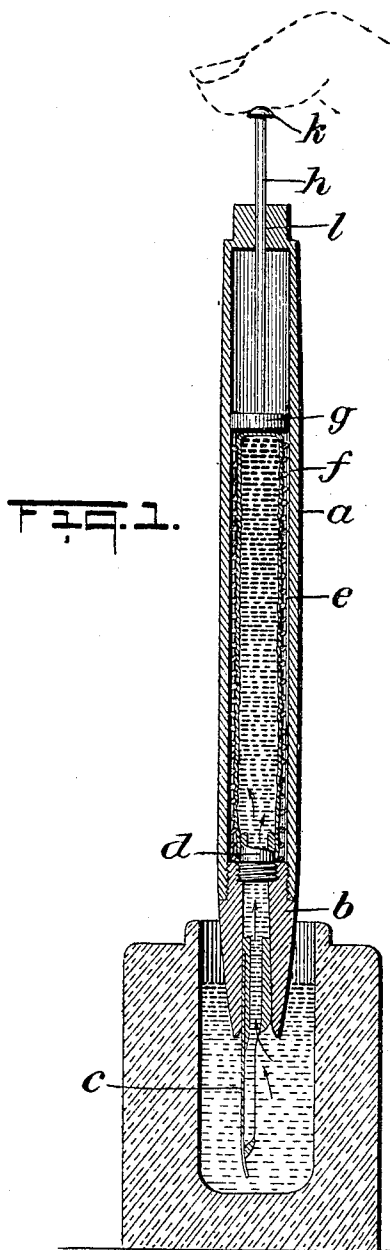


FIG. 1.

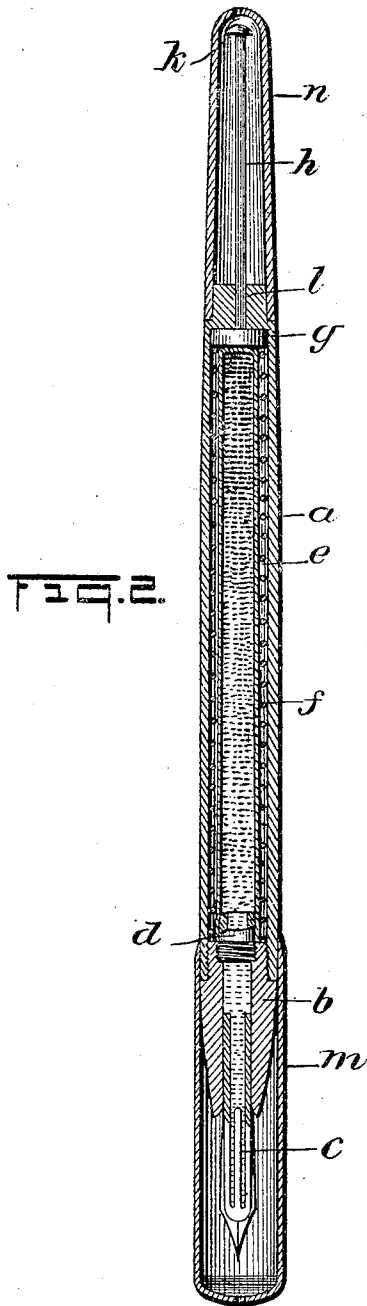


FIG. 2.

WITNESSES:

Thomas P. Ambrose
A. T. Fay

INVENTOR

Thomas P. Ambrose

BY *Wm. M. M. M.*

ATTORNEYS

UNITED STATES PATENT OFFICE.

THOMAS P. AMBROSE, OF CINCINNATI, OHIO.

FOUNTAIN-PEN.

No. 795,569.

Specification of Letters Patent.

Patented July 25, 1905.

Application filed December 6, 1904. Serial No. 235,677.

To all whom it may concern:

Be it known that I, THOMAS P. AMBROSE, a citizen of the United States, and a resident of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and Improved Fountain-Pen, of which the following is a full, clear, and exact description.

My invention relates to fountain-pens, and is especially concerned with a filler therefor.

The principal objects of the invention are to provide means for quickly and efficiently filling pens of this character and to provide for a ready flow of the ink to the pen.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a central longitudinal sectional view showing one form of my invention in position for filling; and Fig. 2 is a central longitudinal section on a line at right angles to the line upon which Fig. 1 is taken, showing the pen filled with ink and entirely closed.

The pen is provided with a case *a*, as usual, to which a tip *b* is removably attached, the tip being provided with a pen *c* in the usual or any desired manner. Upon the tip *b* is removably secured a coupling *d*, to which is attached a compressible receptacle or ink-reservoir *e*, preferably made of rubber. This receptacle is surrounded by a spring *f*, which extends from the tip *b* to the upper end of the casing. Above the spring and receptacle is a plunger *g*, which is provided with a stem *h* and a button *k*. The stem passes through a perforation *l* in the upper end of the casing. The pen is provided with the usual caps *m* and *n*.

The manner of filling the pen will be obvious. The casing *a* is held in the hand and one finger employed to press upon the button *k*, so as to depress the plunger *g* and compress the receptacle *e*. The pen is then dipped in an ink-well in the manner illustrated in Fig. 1 and the pressure on the button released. This will permit the spring and receptacle to expand and draw the ink up into the latter, the pressure of the atmosphere on the ink causing the receptacle to come into intimate contact with the spring,

so that the receptacle and spring will move together. In use the ink will readily flow from the receptacle to the pen, and in case of an obstruction it can be forced through the pen by the application of a slight pressure upon the button *k*.

I am aware that fountain-pens have been made heretofore with compressible ink-receptacles; but my invention presents obvious advantages over such constructions, providing for the more ready expansion of the receptacle to draw the ink into it and also providing for preventing the collapse of the receptacle to force ink from the pen faster than would be desired in writing.

It will be understood that the plunger *g* is separable from the spring and receptacle and that it can be entirely removed from the casing, as is also true of the receptacle itself. The parts are consequently so constructed as to be readily accessible for cleaning and removing of obstructions.

It is to be understood that many modifications can be made in the form of device illustrated in the drawings without departing from the spirit of my invention.

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

1. A fountain-pen comprising a compressible receptacle for ink, a plunger bearing upon the receptacle, and a spring surrounding the receptacle and bearing on the plunger.
2. In a fountain-pen, the combination of a casing, a tip for retaining a pen removably mounted upon the casing, a coupling removably mounted upon the tip and within the casing, a longitudinally-compressible tubular receptacle of rubber secured to said coupling and located within said casing, a spring surrounding said receptacle and in contact therewith, said spring bearing at one end upon the end of the tip, and a plunger at the other end of the casing adapted to bear upon the spring and receptacle, said plunger being provided with a rod extending through the end of the casing.
3. In a fountain-pen, the combination of a casing, a tip for retaining the pen removably mounted upon the casing, a coupling removably connected with the tip within the cas-

ing, a longitudinally - compressible tubular receptacle of elastic material connected with said coupling and located within the casing, a spring surrounding the receptacle and bearing at one end upon the end of the tip, and a plunger bearing on the other end of the spring and adapted to bear upon the receptacle.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses:

THOMAS P. AMBROSE.

Witnesses:

JNO. M. RITTER,
ALBERT E. FAY.