

T. P. AMBROSE.  
FOUNTAIN PEN.  
APPLICATION FILED APR. 1, 1905.

FIG. 1.

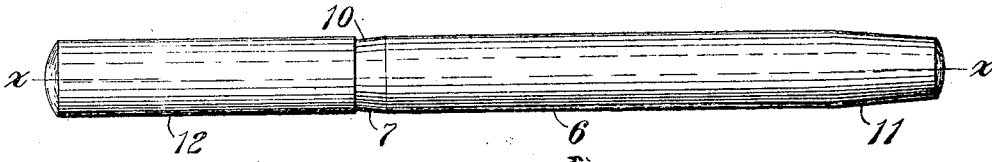


FIG. 2.

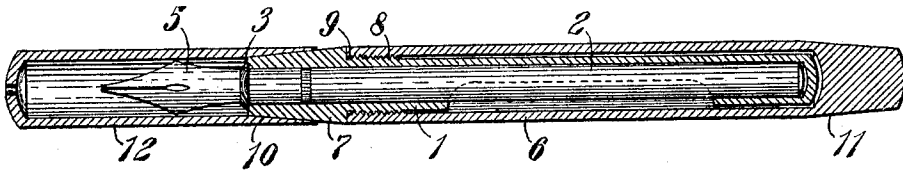


FIG. 3.

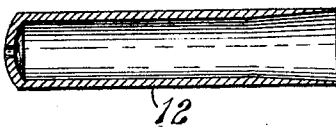


FIG. 4.

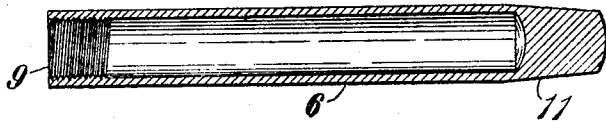


FIG. 5.

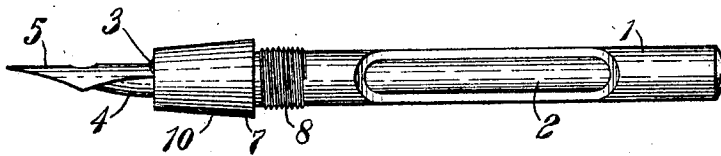


FIG. 6.

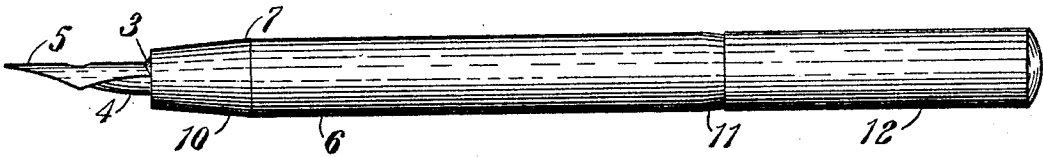
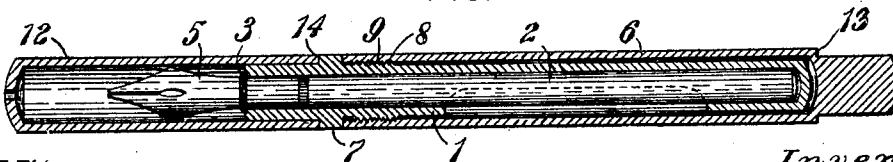


FIG. 7.



Witnesses:

Clarence L. Perdue  
Ada Burnett

Inventor

By Thomas P. Ambrose  
James H. Ramsey  
Attorney.

# UNITED STATES PATENT OFFICE.

THOMAS P. AMBROSE, OF CINCINNATI, OHIO.

## FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 794,836, dated July 18, 1905.

Application filed April 1, 1905. Serial No. 253,208.

*To all whom it may concern:*

Be it known that I, THOMAS P. AMBROSE, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Fountain-Pens, of which the following is a specification.

My invention relates to improvements in that class of fountain-pens in which the fountain is an india-rubber or other flexible elastic tube.

The object of my invention is to produce a fountain-pen provided with an ink-reservoir which can be easily filled without removing it from the frame or pen-feed to which it is attached and of a construction more economical, efficient, practical, and durable than that disclosed in my Letters Patent No. 784,528, dated March 14, 1905.

My invention consists in a holder with a flexible ink-reservoir held within an open frame adapted to be covered by a sleeve and held within said sleeve by means of threads on the frame engaging threads on the sleeve.

My invention also consists in the parts and in the details of construction and arrangement of parts, as herein described and claimed.

In the drawings which serve to illustrate my invention, Figure 1 is a side elevation showing the parts assembled in position to carry in the pocket. Fig. 2 is a section on the line *xx* of Fig. 1, but showing the holder and flexible ink-reservoir in elevation. Fig. 3 is a section of the cap on a line corresponding to *xx* of Fig. 1. Fig. 4 is a similar section of the sleeve. Fig. 5 is a side elevation of the open frame having the holder and reservoir therein. Fig. 6 is a side elevation of my improved pen having the cap removed from over the pen-point and placed on the opposite end of the holder, making it ready for writing. Fig. 7 is a sectional view of a modification, the section being taken on a line corresponding to the line *xx* of Fig. 1.

My improved device is constructed substan-

tially as follows: The open cylindrical frame 1 is adapted to receive and hold the flexible ink-reservoir 2, with its holder 3, pen-feed 4, and pen-point 5, and to be inclosed by the sleeve 6, as is indicated in Fig. 2. The annular boss or band 7 is formed on the frame 1 near one of its ends to form a stop for the sleeve 6. The holder 3, with the attached reservoir 2, pen-feed 4, and pen-point 5, is held within the open frame 1 by frictional contact, and it is not essential that they be removed from the open frame 1. I prefer to secure them permanently, since to fill the reservoir 2 it may be compressed while within the frame 1, owing to the open construction of the frame. When the reservoir 2 is released, the resultant suction draws the ink into the reservoir if the open end of the feed 4 be below the surface of the ink. It will thus be seen that it is only necessary to remove the sleeve 6 from over the open portion of the frame 1 when about to fill the reservoir. Normally the sleeve 6 is held upon the frame 1 against the annular boss or band 7. To do this as disclosed in my patent above referred to, I have heretofore provided a stud upon the frame and a recess upon the sleeve adapted to receive the stud. It has been found that such construction was faulty, owing to its delicacy when the parts were constructed of hard rubber or like fragile substance. In place of that I now provide threads 8 upon the frame 1 adjacent the annular boss or band 7 and corresponding threads 9 upon the sleeve 6, whereby it may be drawn against the boss 7. Owing to the difficulty of making a perfect connection between the flexible reservoir 2 and the pen-feed 4, leakage of ink is liable to occur and clogging or injury of the threads would result. In my improved fountain-pen this is obviated by interposing the boss 7 to form a barrier to the ink and prevent its reaching the threads from the pen-feed. Preferably the end portions 10 and 11 of the frame 1

and sleeve 6, respectively, are tapered to receive the cap 12, as indicated in Figs. 1, 2, 4, 5, and 6 of the drawings.

I claim—

- 5 A fountain-pen consisting of an open tubular frame, a flexible ink-reservoir and pen-feed engaging said frame, threads on said frame, and a threaded sleeve covering said

ink-reservoir and engaging said threads and a boss on said frame forming a barrier between its point of engagement with said pen-feed and said threads for the purposes specified.

THOMAS P. AMBROSE.

Witnesses:

JAMES N. RAMSEY,

CLARENCE L. PERDEW.