

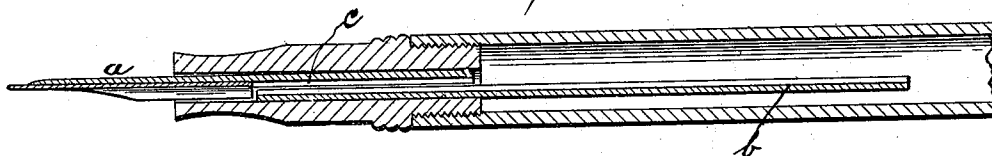
(No Model.)

R. W. WHITNEY.  
FOUNTAIN PEN.

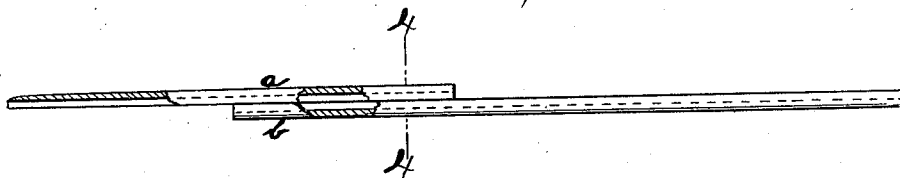
No. 544,707.

Patented Aug. 20, 1895.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses.

E. B. Gilchrist

C. F. Upham.

R. W. Whitney.  
Inventor.

# UNITED STATES PATENT OFFICE.

RUEL W. WHITNEY, OF CLEVELAND, OHIO.

## FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 544,707, dated August 20, 1895.

Application filed May 3, 1895. Serial No. 548,073. (No model.)

*To all whom it may concern:*

Be it known that I, RUEL W. WHITNEY, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga, State of Ohio, have invented a certain new and useful Improvement in Fountain-Pens, of which the following is a specification, reference being had therein to the accompanying drawings, like letters referring to like parts throughout.

Figure 1 shows a complete sectional view of my improved pen. Fig. 2 shows a side view, partly in section, of my improvement. Fig. 3 shows a plan view of upper part of my feed. Fig. 4 shows a section on line 4 4, Fig. 2.

Fountain-pens have been made which, when in working position, look very much like mine, but a difference between them exists in the principle of construction before being placed in working position.

I am aware that pens have been made using a tube for conveying ink to the feed-piece upon the back of the pen, and such tube or a portion of it has extended above the nozzle into the ink-reservoir. I do not therefore claim, broadly, a tube fitted into the pen section or nozzle, one portion of which extends downward over the back of the pen, another portion extending upward into the ink-reservoir, for it has been found in practice that when a whole tube is used the capillary attraction is not sufficient to hold the ink in check when the parts have become thoroughly saturated. I have therefore made my feeding device in two parts *a b*, as shown in Figs. 1, 2, and 4, thereby allowing the ink to be more firmly retained in the tube by its entering into the joints *c c*, formed by the two pieces *a b*, which form the tube, one of which extends downward over the back of the pen, the other extending upward into the reservoir and being adjustable longitudinally. In practice it is found that this mode of construction holds the ink in check, allowing it to feed only when the action of the pen-point raises the piece *a*, lying upon the back of the pen, whereas a complete tube formed in one piece passing through the pen section or nozzle and otherwise formed like mine allows the ink to escape without the action of the pen-point above mentioned.

When constructed according to my plan,

the air is allowed to pass up one side of the pen, meeting the ink at the top of the pen, thereby allowing the air to pass into the holder as the ink passes out over the other side of the pen, 55 to which it is drawn by the capillary attraction of the piece lying on the back of the pen. By this arrangement the ink is retained sufficiently at all times to prevent blotting, so common in fountain-pens when the ink becomes low in the holder. 60

That portion of the feeding device lying upon the back of the pen, it will be seen by reference to the drawings, is made pointed at the lower end and also flattened at that point 65 to lie close to the pen.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A fountain pen, having an ink reservoir, 70 a pen section removably attached thereto, in combination with an ink-feeding device formed by laying together two longitudinal sections of tubing, within the pen section, one part of which extends downward over the 75 back of the pen, the other extending upward into the ink reservoir and being adjustable longitudinally, substantially as specified.

2. A fountain pen having an ink reservoir, a pen section attached thereto, a pen fitted 80 into said pen section in combination with an ink-feeding device composed of two longitudinal sections of tubing which when placed within the pen section form a sectional tube, a portion of one section extending downward 85 over the back of the pen to near its point, a portion of the other extending upward into the ink reservoir substantially as specified.

3. A fountain pen having the usual appliances for holding the ink and pen, in combination with a sectional tube placed within 90 the pen section or nozzle, one end extending upward into the ink reservoir, the other extending downward over the back of the pen, the lower end being pointed and flattened to 95 retain the ink substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

RUEL W. WHITNEY.

Witnesses:

C. F. UPHAM,  
T. B. CALOUN.