

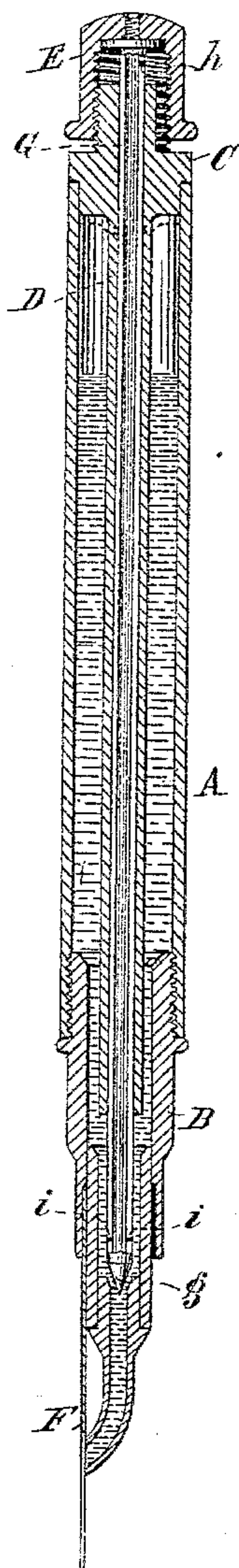
(No Model.)

J. HOLLAND.

FOUNTAIN PEN.

No. 300,260.

Patented June 10, 1884.



Attest  
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# UNITED STATES PATENT OFFICE.

JOHN HOLLAND, OF CINCINNATI, OHIO.

## FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 300,260, dated June 10, 1884.

Application filed April 4, 1883. (No model.)

*To all whom it may concern:*

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

My invention relates, particularly, to that class of fountain-pens in which the common  
10 writing-pen is continuously supplied with ink when in use from a reservoir which is also the pen-holder. Its object is to simultaneously open the air-vent and communication between the pen and ink-reservoir to supply the  
15 pen with ink when in use, and to simultaneously close the air-vent and cut off communication with the reservoir, so as to prevent leakage when the pen is carried in the pocket, and at the same time to insure a regular flow  
20 of ink to the pen, and prevent leakage at the top or vent-cap.

With these objects in view my invention consists in certain details of construction and combination of parts, as will be hereinafter  
25 described, and pointed out in the claim.

The accompanying drawing is a central longitudinal sectional view of a fountain-pen provided with my improvements.

The reservoir-holder A, point-section B,  
30 upper plug, C, with the tube D attached to it and extending into the reservoir, vent-cap E, and pen F, are of ordinary construction and well known to the trade; but in the pens now in use, whether of the character here shown or  
35 those which are known as "stylographic fountain-pens," the tube D serves to conduct air to the point-section to insure a flow of ink to the writing-point, while in my pen it is only used to prevent leakage at the cap E. In my  
40 pen the air is supplied to the lower end of the

point-section by the tubular rod G, which snugly fits within the tube D. The ends of the tubular rod G are closed. The lower end is provided with a conical-shaped valve, *g*, and the upper end is attached to the vent-cap E. Beneath the vent-cap the rod G is transversely  
45 perforated at *h*, and just above the valve are similar transverse perforations, *i*, so that when the vent-cap is raised air is admitted through the perforations *h i* to the ink in the lower  
50 end of the point-section, and the valve *g* is simultaneously lifted from its seat, to permit a free flow of ink from the reservoir to the pen F through the lower curved end of the point-section.

I am aware that it is old in fountain-pens  
55 to secure the combined valve-rod and air-tube to the air-cap or other device at the top of the reservoir-holder, so that the valve may be raised from or lowered to its seat in the point-section; but I am not aware that a combined  
60 valve-rod and air-tube secured to the vent-cap has ever before the date of my invention been used in combination with a reservoir-holder having at its upper end a fixed plug  
65 provided with a downwardly-extending tube, which acts as a support and guide for the combined air-tube and valve-rod.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, substantially as specified,  
70 of the holder A, point-section B, plug C, tube D, cap E, and pen F with rod G, secured to the cap E, and having valve *g* and vents *h i*, for the purpose set forth.

JOHN HOLLAND.

Witnesses:

EDWARD FRANEY,  
GEO. J. MURRAY.