

(No Model.)

J. ULLRICH.
STYLOGRAPHIC FOUNTAIN PEN.

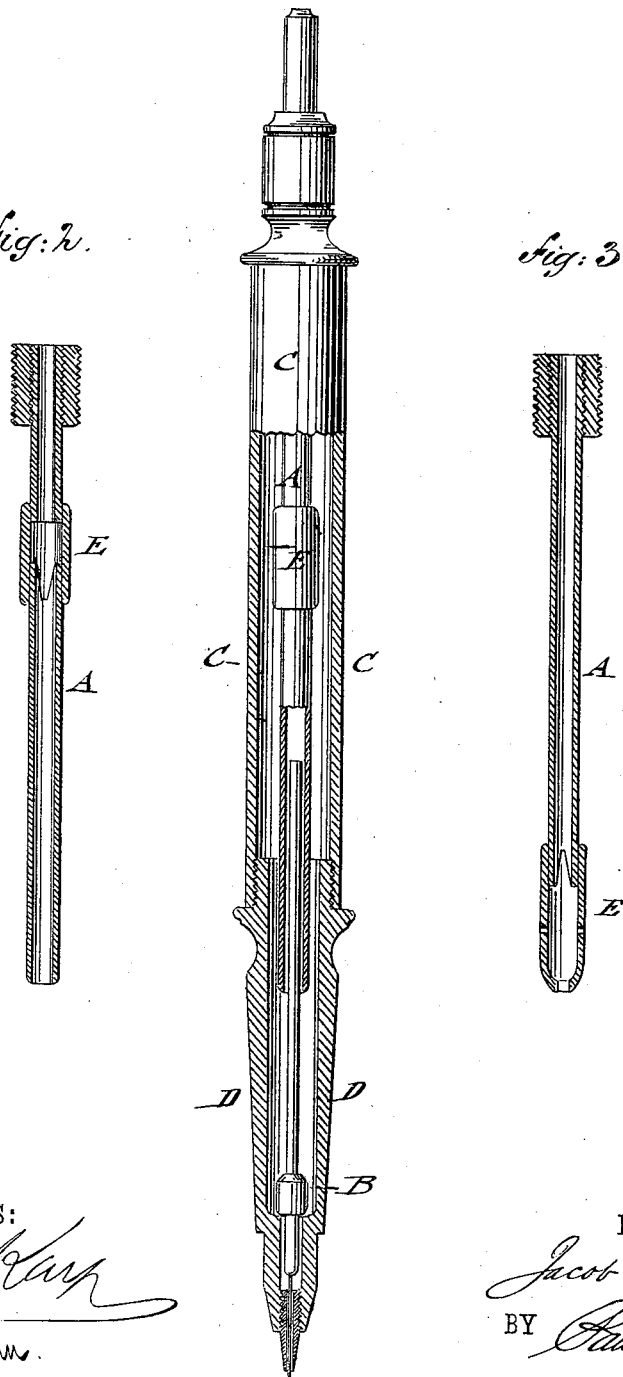
No. 262,629.

Patented Aug. 15, 1882.

Fig. 1.

Fig. 2.

Fig. 3.



WITNESSES:

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JACOB ULLRICH, OF HOBOKEN, NEW JERSEY.

STYLOGRAPHIC FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 262,629, dated August 15, 1882.

Application filed November 18, 1881. (No model.)

To all whom it may concern:

Be it known that I, JACOB ULLRICH, of Hoboken, county of Hudson, and State of New Jersey, have invented certain new and useful
5 Improvements in Stylographic Fountain-Pens, of which the following is a specification.

This invention relates to improvements in the construction of stylographic fountain-pens of that class in which the spindle of the gravity-valve extends into the air-tube of the fountain, the improvements being designed with a view to prevent the settling of the ink in the air-tube and the consequent sticking of the spindle of the valve. When the air-tube is
10 thus closed by the settling of the ink the admission of air to the ink in the fountain is prevented, and consequently the regular flow of ink and the efficient working of the pen impaired.

My invention consists in arranging in connection with the air-tube of the fountain-pen an enlarged removable air-chamber, either midway or at the lower end thereof, whereby the air-supply is not interrupted, even if the ink
25 should run in.

In the accompanying drawings, Figure 1 represents a vertical central section of my improved stylographic fountain-pen, and Figs. 2 and 3 are detail sections of the air-tube of the
30 same with my improved air-chamber.

Similar letters of reference indicate corresponding parts.

A in the drawings represents the air-tube of a stylographic fountain-pen of that class in which a gravity-valve, B, is guided by its spindle in the lower end of the air-tube.
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C is the fountain or barrel, and D the point-section, all being arranged in the customary manner in this class of pens. The air-tube A

is provided, either at its lower end or at a point
intermediately between the lower and upper
ends thereof, with an enlarged removable air-
chamber, E, which is formed of a sleeve, *a*, that
connects the two sections of the air-tube, as
shown in Fig. 2, or which is attached to the
40 lower end of the air-tube, as shown in Fig. 3. In one case the end of the upper section of the air-tube A is cut off square at the end, while the end of the other section of the air-tube within the sleeve *a* is tapered out, so as to facilitate the running back of the ink if any
45 should have entered into the air-chamber. The end of the air-tube in Fig. 3 is made tapering for the same purpose.

By the arrangement of the air-chamber in
55 connection with the air-tube of the fountain-pen one of the main objections to the use of the pens with gravity-valves is overcome, and a regular supply of air, and consequently an even flow of ink to the point, secured in a reliable
60 manner without any danger of clogging the valve or interrupting the working of the pen.

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

As an improvement in fountain-pens of that
65 class having gravity-valves with spindles extending into the air-tubes, an air-tube provided with a removable air-chamber having a cross-section of larger area than that of the cross-section of the air-tube, substantially as
70 set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JACOB ULLRICH.

Witnesses:

PAUL GOEPEL,
CARL KARP.