

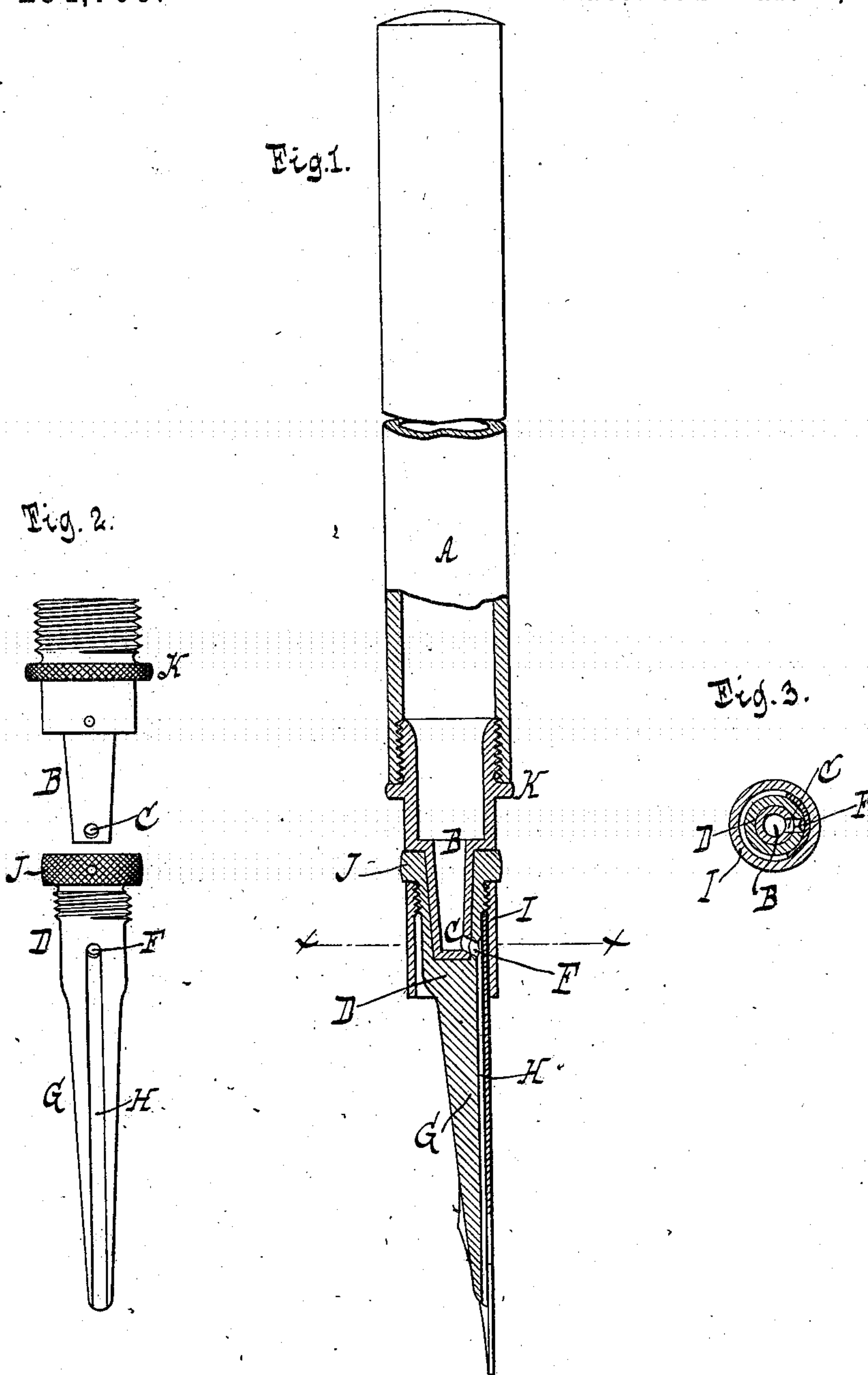
(No Model.)

H. STOCKMANN.

FOUNTAIN PEN.

No. 294,700.

Patented Mar. 4, 1884.



WITNESSES:

Otto Hufeland
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HENRY STOCKMANN, OF BROOKLYN, NEW YORK.

FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 294,700, dated March 4, 1884.

Application filed January 15, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY STOCKMANN, a citizen of the United States, residing at Brooklyn, Kings county, New York, have invented 5 new and useful Improvements in Fountain-Pens, of which the following is a specification.

This invention relates to means for regulating the flow of ink in fountain-pens; and it consists in the novel construction and arrangement of parts hereinafter described and illustrated in the accompanying drawings, in which—

Figure 1 is a sectional side view. Fig. 2 is a detail view of parts. Fig. 3 is a cross-section on the line *x x*, Fig. 1.

Similar letters indicate similar parts.

The letter A designates the handle of the pen, which is tubular and forms the ink-reservoir. The lower end of this handle is open, 20 and on such end thereof is a nipple, B, of tapering form, through which nipple the ink discharges from the handle. For attaching this nipple B to the handle, it is screw-threaded on the upper part, where it is cylindrical, 25 while for discharging the ink it is provided with a lateral orifice, C, at or near the lower end.

On the nipple B is a valve, D, which is capable of rotating thereon, and is provided 30 with an orifice, F, adapted to register with the orifice C of the nipple. The valve D is formed with a shank, G, which extends downward to a point opposite the nib of the pen proper, as shown in Fig. 1, and is provided with a channel, H, for conveying the ink from the valve- 35 orifice F to the nib of the pen, this channel extending lengthwise of the shank from the valve-orifice to the end thereof.

Surrounding the valve D is a sleeve, I, forming a pen-holder, this sleeve being attached 40 on the upper end, as by a screw-thread, leaving the lower end detached, so that a pen may be inserted between it and the valve, where it is held in position to receive the ink.

45 It will be seen that by properly adjusting the valve-orifice F in relation to the nipple-orifice C the flow of the ink can be regulated with nicety, or it may be entirely shut off,

while by the tapering form of the nipple a very tight joint is produced between it and the valve 50 without preventing the valve from turning easily, the nipple being in effect similar to the spigot of a faucet.

In order to indicate when the valve D is entirely open, suitable marks are made on a visible portion thereof and of the nipple, as shown 55 in Fig. 2, and to facilitate the adjustment of the valve it is provided with a flange, J. The nipple also is provided with a flange, K, to abut against the lower end of the handle. 60

The expulsion of the ink from the handle is produced by the expansion of the air therein, due to the heat of the fingers transmitted to the handle when it is taken hold of, and when the pen has been used a considerable length of 65 time the valve should be adjusted to graduate the discharge of the ink.

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

1. A fountain-pen embodying in its structure 70 the tubular handle, forming an ink-reservoir, the tapering nipple on the lower end of the handle, having a lateral discharge-orifice, the rotating valve on the nipple, having an orifice to register with the nipple-orifice, and 75 the sleeve on the valve, forming a pen-holder, substantially as and for the purpose described.

2. A fountain-pen embodying in its structure the tubular handle, forming an ink-reservoir, the tapering nipple on the lower end of 80 the handle, having a lateral discharge-orifice, the rotating valve on the nipple, having an orifice adapted to register with the nipple-orifice, and a shank provided with a channel for conveying the ink from the valve-orifice to the 85 nib of the pen, and the sleeve on the valve, forming a pen-holder, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses. 90

HENRY STOCKMANN. [L. S.]

Witnesses:

W. HAUFF,

CHAS. WAHLERS.