THOMAS M. DAVIS.

Fountain Pen.

No. 123,460. Patented Feb. 6, 1872.

FIG. 1.

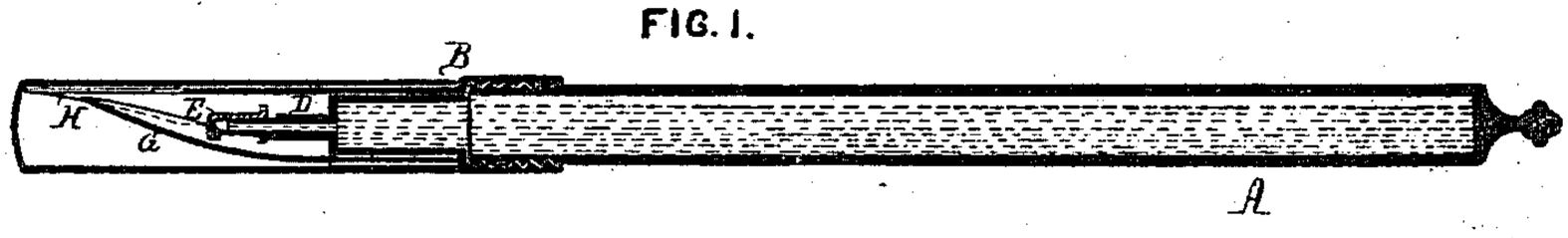


FIG. 2.

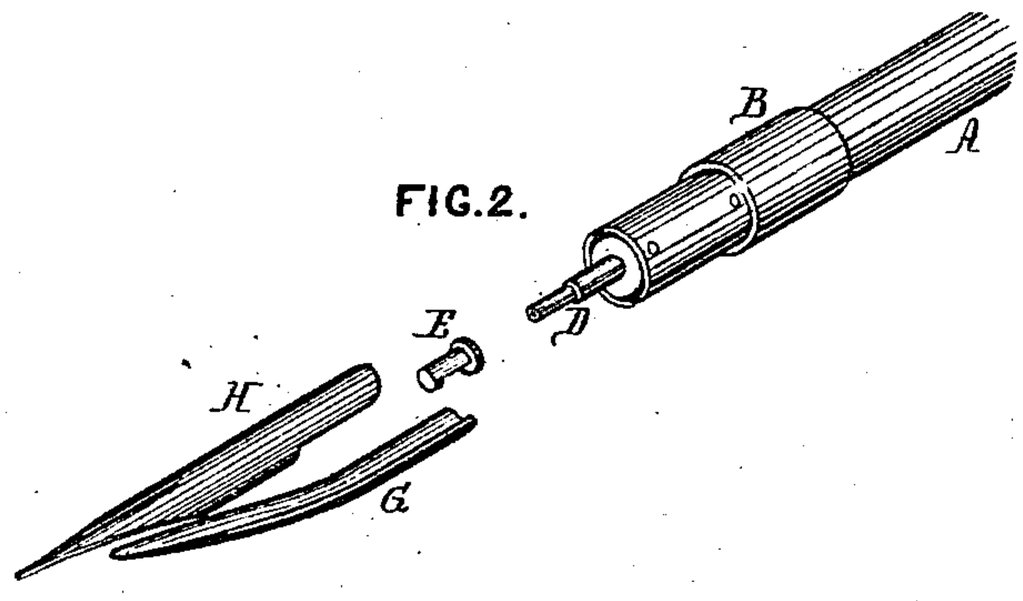


FIG. 6.

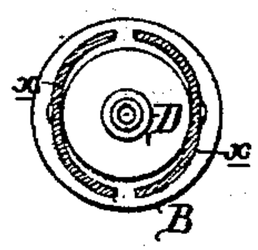


FIG. 4.

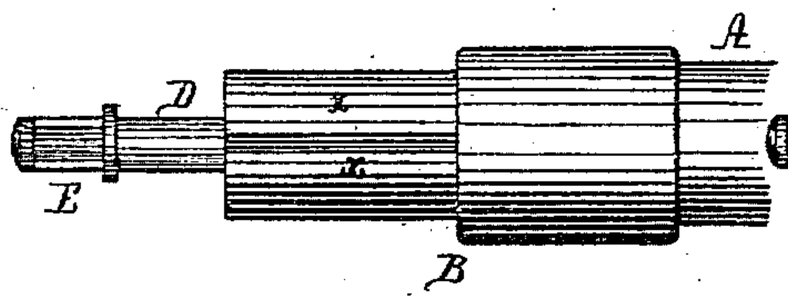


FIG. 5.

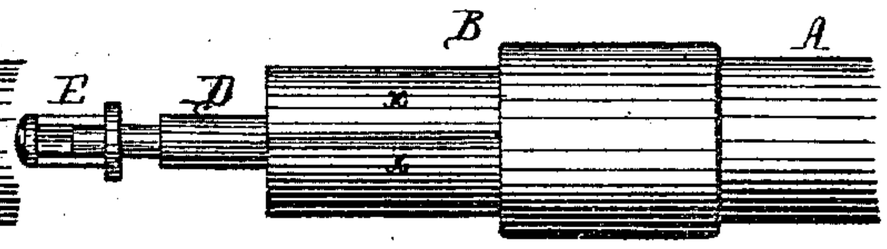
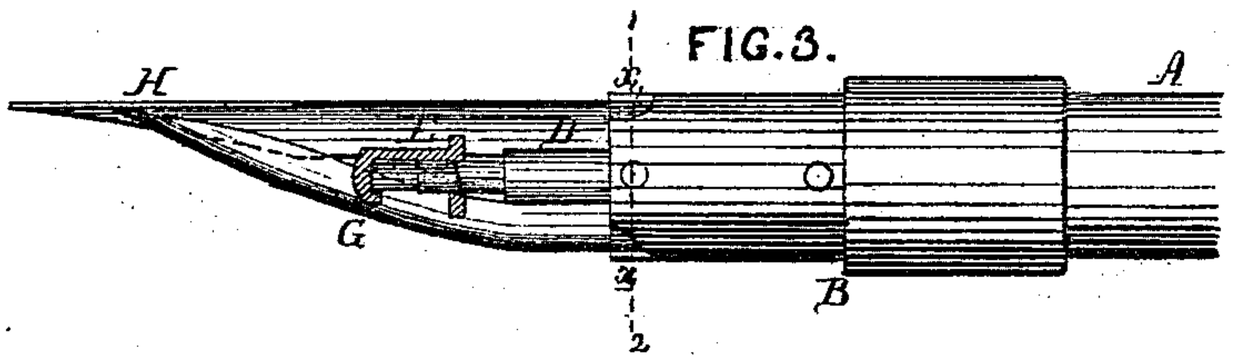


FIG. 3.



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Witnesses,
Jno. B. Harding.
Thos. McIlvain.

Thomas M. Davis - Apl.
by his Attys
Storey and Son

UNITED STATES PATENT OFFICE.

THOMAS M. DAVIS, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF, LEMUEL O. KESSLER, AND WM. P. CORNEY, OF SAME PLACE.

IMPROVEMENT IN FOUNTAIN-PENS.

Specification forming part of Letters Patent No. 123,460, dated February 6, 1872.

Specification describing an Improved Fountain-Pen, invented by THOMAS M. DAVIS, of Philadelphia, county of Philadelphia, and State of Pennsylvania.

Improved Fountain-Pen.

My invention consists of a fountain or self-feeding pen, too fully explained hereafter to need preliminary description, with the view of permitting the ready withdrawal of pen and tongue for cleaning purposes.

Figure 1 is a longitudinal section of my improved fountain-pen; Fig. 2, a perspective view illustrating the different parts detached from each other; Fig. 3, a side view of the pen partly in section, and drawn to an enlarged scale; Figs. 4 and 5, enlarged inverted plan views of Fig. 3; and Fig. 6, a transverse section on the line 1 2, Fig. 1.

The stem A of the pen-holder is made tubular, and is, in the present instance, permanently closed at its outer end, the opposite end being arranged to screw into a casing, B, to which is attached a tube, D, of very small diameter, for the escape of the ink from the reservoir contained within the said tubular stem A and its casing B. A cap or valve, E, is arranged to be so adjustable, longitudinally, on the small tube E that it can be moved rearward against the end of the hole in the said small tube, or moved outward, as shown in Fig. 3, the cap being so closed, excepting on the under side, as to direct the ink downward onto a tongue, G, situated at the under side of the pen H. Curved metal strips *x x* are secured to the casing B in the manner best observed in the transverse section, Fig. 6, the pen and tongue being introduced between the casing and the strips which form clasps possessing rigidity enough to retain the said pen and tongue, and elasticity sufficient to permit their ready withdrawal. This is an important feature of my invention, as it enables one to use an ordinary steel or gold pen, H, and to readily detach both pen and tongue for cleaning purposes.

When the stem is held in the hand in the usual position for writing, the ink will flow slowly onto the tongue G, and will be directed by the latter toward the point of the pen H, the drying of the ink on the pen being prevented by a constant supply of ink in a fluid state between the pen and tongue.

A new supply of ink may be introduced into the stem A after detaching the same from the casing B, or the casing and stem may be made in one piece; in which case there should be at the rear end of the stem a detachable cap or plug to be withdrawn when the stem has to be refilled with ink.

By the adjustment of the cap or valve E the flow of ink onto the tongue can be regulated at pleasure.

I claim as my invention—

The clasps formed by elastic strips *x x* on the front end of the fountain, for the reception and retention of the tongue and pen.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

THOMAS M. DAVIS.

Witnesses:

WM. A. STEEL,

JOHN K. RUPERTUS.