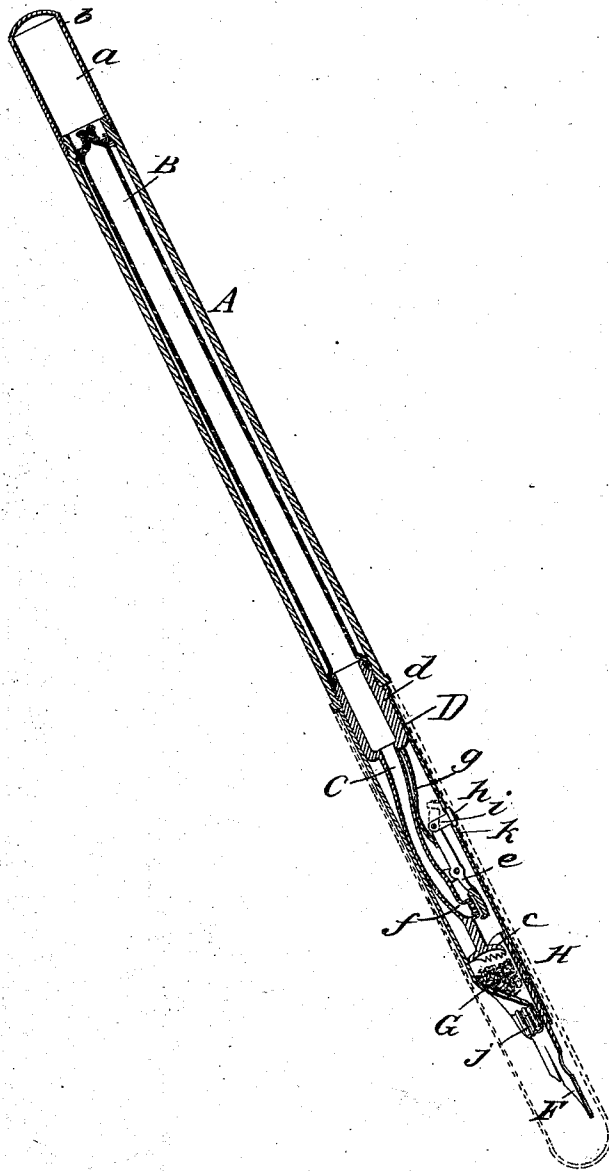


H. K. McCLELLAND.  
PEN.

No. 12,727.

Patented Apr. 17, 1855.



# UNITED STATES PATENT OFFICE.

HUGH K. McCLELLAND, OF ELDERSVILLE, PENNSYLVANIA.

## FOUNTAIN-PEN.

Specification of Letters Patent No. 12,727, dated April 17, 1855.

*To all whom it may concern:*

Be it known that I, HUGH K. McCLELLAND, of Eldersville, in the county of Washington and State of Pennsylvania, have invented a new and Improved Fountain-Pen; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, making a part of this specification, said drawing being a longitudinal section of my improvement.

The nature of my invention consists in the peculiar construction of the implement as will be hereafter fully shown and described, whereby the pen is supplied from a reservoir or receptacle with a requisite quantity of ink and in a simple and efficacious manner.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

A represents the handle of the pen, which is a metallic tube, having a cap or top piece (*a*) at its upper end which screws or slips on the other portion. The cap (*a*) is provided with a small opening (*b*) the use of which will be shown hereafter.

Within the handle A there is a bag or receptacle B constructed of india rubber or other proper material. This bag or receptacle is connected at its lower end to a tube C, the inner end of which is screwed into the lower end of the handle A. The tube C is of a gradual taper form as shown in the drawing and its extremity is provided with a button or spur (*a*). The portion of the tube C at its junction with the bag B is considerably larger in diameter than the other portion so that a slide (*d*) is formed on which a pen holder D is fitted.

The end of the tube C is provided with a valve (*e*) constructed similarly to a key of a musical wind instrument. This valve fits over a seat (*f*) which contains one or more apertures which communicate with the interior of the tube C. The valve is kept over the seat (*f*) by a spring (*g*). The stem of the valve is provided with a small key (*h*) connected to the stem by a joint or pivot (*i*).

The pen holder D is of tubular form. The upper end of this holder fits on the slide (*d*). At the lower end of the holder the pen F is attached and small openings

or channels (*j*) are made at the lower end of the holder by which a communication is formed from the interior of the holder to the pen F.

G is a piece of sponge inserted in the holder E and at its lower end, and (*k*) is a slot formed in the holder directly over the key (*h*).

H is a case which is fitted over the pen F and holder D when the implement is not in use.

The implement is used in the following manner. The bag or receptacle B is filled with ink by detaching the cap or top (*a*) of the handle A and opening the upper end of the bag or receptacle, or the tube C may be unscrewed from the lower end of the bag and the ink poured in. The case H is of course detached from the holder D and handle A and the ink within the bag or receptacle B will by its own gravity pass into the tube C. Now if the key (*h*) be pressed down by the fore finger the valve (*e*) will of course open and the ink will pass through the seat (*f*) and fall upon the sponge G. The sponge of course becomes saturated with ink and the requisite quantity will pass through the openings or channels (*j*) into the pen F. The valve (*e*) is operated when necessary and by merely tapping the key (*h*) with the fore finger. This may be done without any inconvenience while writing. The slot (*k*) is made in the holder to allow the finger to act upon the key. The sponge G prevents the ink from passing too rapidly into the pen, and the button or spur (*c*) prevents the sponge from coming in contact with the valve.

The valve seat (*f*) may be provided with different sized apertures so as to admit the ink to flow more or less rapidly from the tube C, and different seats may be made to accompany each implement, the valve seats being screwed into the tube.

The opening (*b*) in the cap (*a*) is to admit air and allow the bag B to collapse as the ink passes from it.

I do not claim separately any of the within described parts; but

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

The construction of the implement as herein shown and described viz. Having a

bag or receptacle B placed within a tubular handle A, the lower end of said bag having a tube C attached to it which tube is provided with a valve (e) and button or spur (e) the tube, valve, and button or spur being inclosed by the pen holder D, which contains a sponge G and is provided with openings or channels (j) through which the pen is supplied with ink as the valve (e) is operated, as herein shown and described.

H. K. McCLELLAND.

Witnesses:

J. G. MASON,

S. H. WALKER.