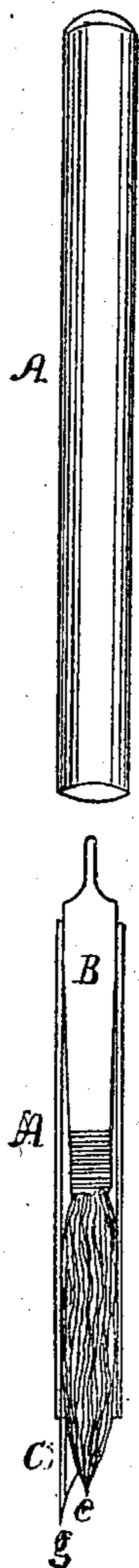


*E. Mathers,  
Fountain Pen.*

*No 30828.*

*Patented Dec 4, 1860*



*Witness  
Joseph R Mathers  
C. W. Dancy*

*E. Mathers*

# UNITED STATES PATENT OFFICE.

EBENEZER MATHERS, OF FAIRMONT, VIRGINIA.

## IMPROVEMENT IN FOUNTAIN-PENS.

Specification forming part of Letters Patent No. 30,828, dated December 4, 1860.

*To all whom it may concern:*

Be it known that I, EBENEZER MATHERS, of the town of Fairmont, in the county of Marion and State of Virginia, have invented a new and useful Improvement in Writing Implements; and I do hereby declare that the following is a full and exact description of the construction and operation of the same, reference being made by letters to the accompanying drawing, which also forms a part of this specification.

The nature and purpose of my invention are the combination of a hair-pencil brush or other similar arrangement of hair with any ordinary writing-pen to facilitate the operation of writing by saving the time and trouble of frequently dipping the pen into the ink, as a page or more may be written with my implement after it shall have been once charged with ink without the necessity of dipping it again into the ink-holder. When the supply is exhausted, it is replenished as with an ordinary pen. This is an advantage so obvious that I deem it needless to add more in detail.

The construction of my pen is as follows: Into an ordinary tubular pen-holder or an equivalent device I introduce a hair-pencil brush or other similar arrangement of hair, of a size that will about fill the caliber of the tube without producing such compression as to prevent the capillary attraction of the interstices of the brush. The point of the brush should protrude from the tube far enough to come within about one-eighth of an inch of the nib of the pen. However, the exact distance will depend upon the size of the brush and pen, and upon other circumstances which will readily direct the person arranging it. Care must be taken on the one hand that the brush shall not come down so far as to blot or smear the paper, and on the other hand that it shall reach down and cover as much of the split in the pen as possible, so as to afford a regular and constant supply of ink.

In the accompanying drawing, which represents a longitudinal section of the implement herein described, A is the holder; B, the brush; C, the pen. The point of the brush at *e* reaches down into the concavity of the pen within about one-eighth of an inch of the nib *g*, as shown in the drawing.

I do not confine myself to any specific form of pen or brush or holder or mode of combining them, as my invention can easily be adapted to many of those forms now in use.

I do not claim, however, the invention of the tubular or other form of pen as a "fountain-pen." Neither do I claim the use of sponge or other porous material placed in the hollow of the pen for the purpose of regulating the flow of ink from a fountain or reservoir within or above, as my implement is to be supplied with ink by dipping it into the ink holder, as in the use of the common pen, and the ink is taken up and retained by the capillary attraction of the interstices between the hairs of the brush, and is yielded without compression in a regular and continuous flow in exact proportion to the demand at the point of the pen, for the separation of the nibs in producing heavy or delicate writing with my implement is at once the cause and the precise measure of the supply of ink from the hair-pencil above.

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

The use of a hair-pencil brush or other similar arrangement of hair in contact with a metallic or other writing-pen for the purpose of securing a continuous and spontaneous flow of ink to the pen while writing, arranged and operating in the manner as above substantially set forth.

E. MATHERS.

Witnesses:

WM. W. BLAKE,  
C. W. DORSEY.