

W. H. Towers,
Pen.

No 10.192.

Patented. Nov. 1. 1853

Fig 1

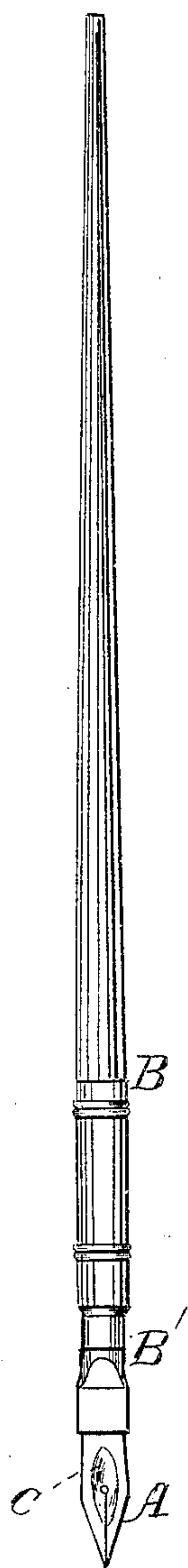


Fig 2.

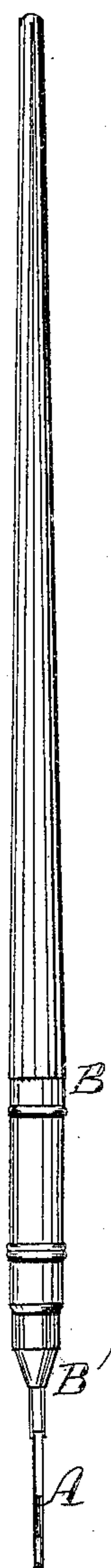


Fig 3.

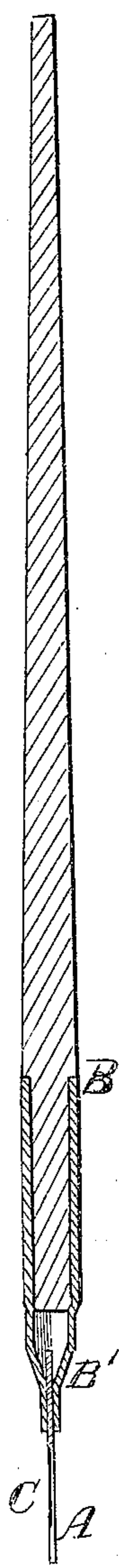


Fig 4.



UNITED STATES PATENT OFFICE.

WILLIAM H. TOWERS, OF PHILADELPHIA, PENNSYLVANIA.

METALLIC PEN.

Specification of Letters Patent No. 10,192, dated November 1, 1853.

To all whom it may concern:

Be it known that I, WILLIAM H. TOWERS, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Metallic Pens, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

Figure 1 is a front view of the improved pen and holder. Fig. 2, is a side view of the same. Fig. 3, is a section through the center of the same. Fig. 4, is a perspective view of the pen detached from the holder.

Similar letters in the figures refer to corresponding parts.

The nature of this invention and improvement consists, in making gold and other metallic pens flat, instead of arched or barrel shape, and with cavities or depressions in both surfaces for retaining the required quantity of ink, in such a manner as to enable the pens to be more easily formed, and of a less bulk of metal, and more convenient for use, than the pens constructed in the ordinary mode, and capable of being written with either surface uppermost, and also better adapting them to be secured to the pen holder.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and the manner of using the same.

The improved pen A, may be manufactured by simply cutting the same from a flat piece of metal, of proper thickness, to the form desired, and finishing it by grinding or otherwise, in a similar manner to the process usually employed for that purpose, or other convenient mode. It is made flat on both surfaces, except where indented or scalloped out, as stated, and tapering on its edges to a point at its slit or lower end to form the nib, and slightly tapering on the edges forming the shank or main body of the pen, to admit of it being inserted and securely held in a corresponding opening in the lower end of the holder B.

The depressions or cavities C, in the flat surfaces of the pen, for containing a supply

of ink when dipped in the same, may be formed by either cutting or grinding the metal required to be removed for that purpose, or by means of dies or in any other convenient manner, to suit the views of the maker, and extend from a short distance below the holder and the edge of the pen, to near the point or nib of the same, so as to surround the greater portion of the slit, and be capable of retaining the required quantity of ink to supply the point or nib of the pen, through the slit, and over the surfaces of its lower part.

The lower end of the pen holder is made flat, by depressing and tapering both sides of the metallic tube B', forming the lower portion of the same, toward each other, and the edges of the flattened part are made slightly tapering, so as to form a socket or slot in the end of the same, corresponding with the thickness and tapered edges of the pen, in such a manner as to enable the pen to be conveniently inserted and withdrawn therefrom, and held securely when inserted, in the center of the holder, and capable of being written with equal facility on either side of the point or nib. The writing points of the pen, which touch the paper when writing, may if desired be made either equal in sharpness on both sides, or of different degrees of bluntness or sharpness, to make either a fine or heavy style of writing, to suit the views of the writer, and the sides of the pen upon which they are respectively situated, may be correspondingly marked to distinguish them.

The depressions or cavities in the surfaces of the pen, may be made near the edges instead of the center of the same as represented, to suit the views or fancy of the constructor.

In using the pen formed in the manner above described, it will be found, that it will not only last much longer than pens of the ordinary shape, from the fact that both sides of the point or nib will be alternately used, and cheaper, for the reasons before stated, but will also write with much more freedom and ease, and that both sides of the point

or nib being equally used, (or nearly so) they will wear equally, (or nearly so) and thus tend to keep each other sharp.

What I claim as my invention and desire
5 to secure by Letters Patent is—

Making metallic pens with depressions or cavities for retaining the requisite quantity of ink to supply the same, and making them flat on both surfaces, and tapering the shank

or main body of the same and inserting it 10 in a corresponding socket or opening in the center of the lower end of the pen holder, substantially in the manner and for the purpose set forth.

W. H. TOWERS.

Witnesses:

JOHN G. WILLIAMS,
STEPHEN N. SIMMONS.