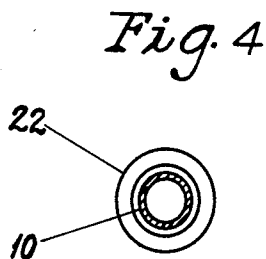
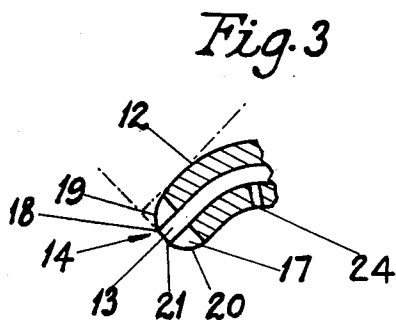
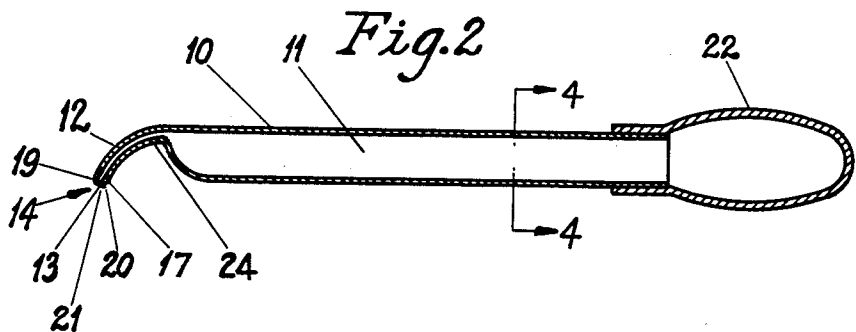
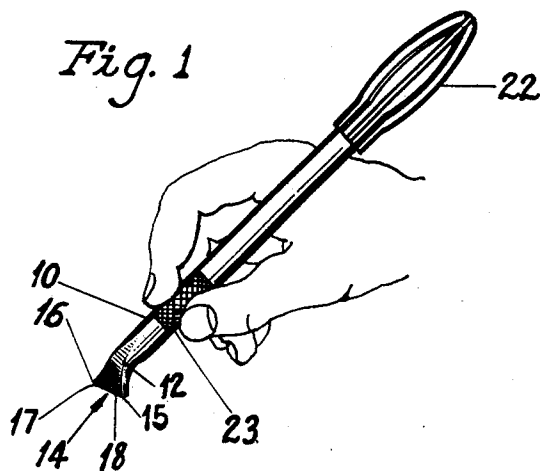


June 26, 1934.

S. HALPERN
SIGN WRITING PEN
Filed Feb. 23, 1933

1,964,512



INVENTOR.
SAMUEL HALPERN
BY *Joseph Blacker*
ATTORNEY

UNITED STATES PATENT OFFICE

1,964,512

SIGN WRITING PEN

Samuel Halpern, Philadelphia, Pa.

Application February 23, 1933, Serial No. 658,029

2 Claims. (Cl. 120—43)

This invention relates to improvements in the type of pens commonly styled "fountain pens" and the primary object of my invention is to provide a pen having relatively wide nibs that can be efficiently used for writing or printing signs and for heavy lettering.

An object of this invention is to provide a fountain pen having a reservoir for ink or other writing fluid stored within a tubular handle and having an elastic air-bulb at the end opposite the nibs for raising the writing fluid into the tubular handle.

Another object of this invention is to curve the nib-end of the pen so as to form an arcuate outward portion or elbow in obtuse angular relation with the upper face of the tubular body and having flattened side walls terminating in a ribbon-like orifice.

Another object of this invention is to bevel the nib portion outwardly at an oblique angle from the near side to the far side and to provide a plurality of serrations or slots in the nib portion so as to insure an even discharge of the writing fluid.

Another object of this invention is to round the bevelled outer edges of the nib portion so as to permit variation of the writing angle without damaging the paper or surface written upon.

Another object of this invention is to make the writing faces of the nibs perpendicular to a tangent to the arcuate portion at its outward extremity.

With the above and other objects in view, the invention will be hereinafter more particularly described, and the combination and arrangement of parts will be shown in the accompanying drawing and pointed out in the claims which form part of this specification.

Reference will now be had to the drawing, wherein like numerals of reference designate corresponding parts throughout the several views, in which:

Figure 1 is a perspective view of the pen.

Figure 2 is a longitudinal sectional view.

Figure 3 is an enlarged fragmentary view of the nib portion.

Figure 4 is a cross-sectional view, the section being taken as on line 4—4 in Figure 2.

In the illustrated embodiment of the invention the several views show a pen comprising an elongated hollow tubular handle or body 10, the hollow interior 11, serving as a reservoir for writing fluid. The nib end of the tubular handle is flattened and curved to form an arcuate constricted ribbon-like outward portion or elbow

12, in obtuse angular relation with the upper face of the tubular body and having constricted side walls terminating in a ribbon-like orifice 13. The nib end portion 14, of the body 10, is obliquely bevelled outwardly from the near side 15, to the far side 16. The nib walls being longitudinally slotted, as at 17, the slots being equally spaced and extending from the outer edges of the nibs inwardly to provide a plurality of serrations or ink bearing points 18, so as to insure an even discharge of the ink or other writing fluid. The outer edges 19, 20, of the nib portion have been rounded into a substantially semi-cylindrical form to permit variation of the writing angle without scratching or damaging the paper or other surface written upon. The writing faces 21, of the nibs have been made perpendicular to a line drawn tangent to the arcuate portion 12, at its outward extremity, as shown in Figure 3.

An elastic air-bulb 22, of any well known make, may be secured to the body 10, in sealed relation therewith, at the end opposite the nibs for raising the writing fluid into the reservoir 11, the functioning of the air-bulb 22, being the same as that in the type of pens commonly styled "fountain pens". By bringing pressure to bear against the air-bulb 22, and releasing same, a sufficient quantity of writing fluid may be raised into the reservoir 11, through the orifice 13, and stored in the reservoir. The body 10, may be provided with a knurled portion 23, adjacent the arcuate portion 12. The knurled portion serving to provide a more positive grip on the handle 10.

In operation, the writing fluid flows from the reservoir 11, through the arcuate portion 12, and between the constricted nibs in an even discharge upon the paper, the arcuate portion 12, serving to gradually change the direction of flow and to regulate the flow of the writing fluid so that it will leave the pen uniformly irrespective of the writing angle in which the user may hold the pen, a pen of this design being particularly useful for persons having stiff or crooked fingers and who are compelled to hold the pen at unusual angles or inclinations. As shown in Figures 2, and 3, there has been provided an aperture 24, in the arcuate extremity serving as a vent hole to allow unrestricted flow of the writing fluid.

It will thus be seen that there has been provided a sign writing pen having an elongated hollow tubular body with an arcuate outward nib-end portion 12, in obtuse angular relation with the upper face of the tubular body and with rounded outer edges of the nib portion which

permits lettering to be made with a great deal of variation of the writing angle without scratching or damaging the surface written upon.

Having thus described my invention, I claim:

- 5 1. In a device of the class described, the combination with a pen comprising an elongated hollow tubular body having an arcuate and ribbon-like extremity, said arcuate extremity being positioned in obtuse angular relation with the upper
- 10 face of the tubular body and being provided with constricted and slotted writing fluid bearing nibs, said arcuate extremity having a vent hole, said nib portion being obliquely bevelled outwardly
- 15 from the near side to the far side, the outer edges of the nibs being rounded into a substantially semi-cylindrical form to permit change of the writing angle without scratching the writing surface, the writing faces of the nibs being perpendicular to a tangent line drawn at the outward
- 20 extremity of the arcuate portion, an elastic air-bulb secured to said tubular body in sealed rela-

tion therewith at the end opposite the nib portion for filling said pen, said tubular body being provided with a knurled grip portion adjacent said arcuate nib portion.

2. In a device of the class described, the combination with a pen comprising an elongated hollow tubular body having an arcuate and ribbon-like extremity, said arcuate extremity being positioned in obtuse angular relation with the upper
- 80 face of the tubular body and being provided with constricted and slotted writing fluid bearing nibs, said arcuate extremity having a vent hole, said nib portion being obliquely bevelled from the near
- 85 side to the far side, the outer edges of the nibs being rounded into a substantially semi-cylindrical form to permit change of the writing angle without scratching the writing surface, and
- 90 means secured to said tubular body for filling same with writing fluid.

SAMUEL HALPERN. 95

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