

No. 619,528.

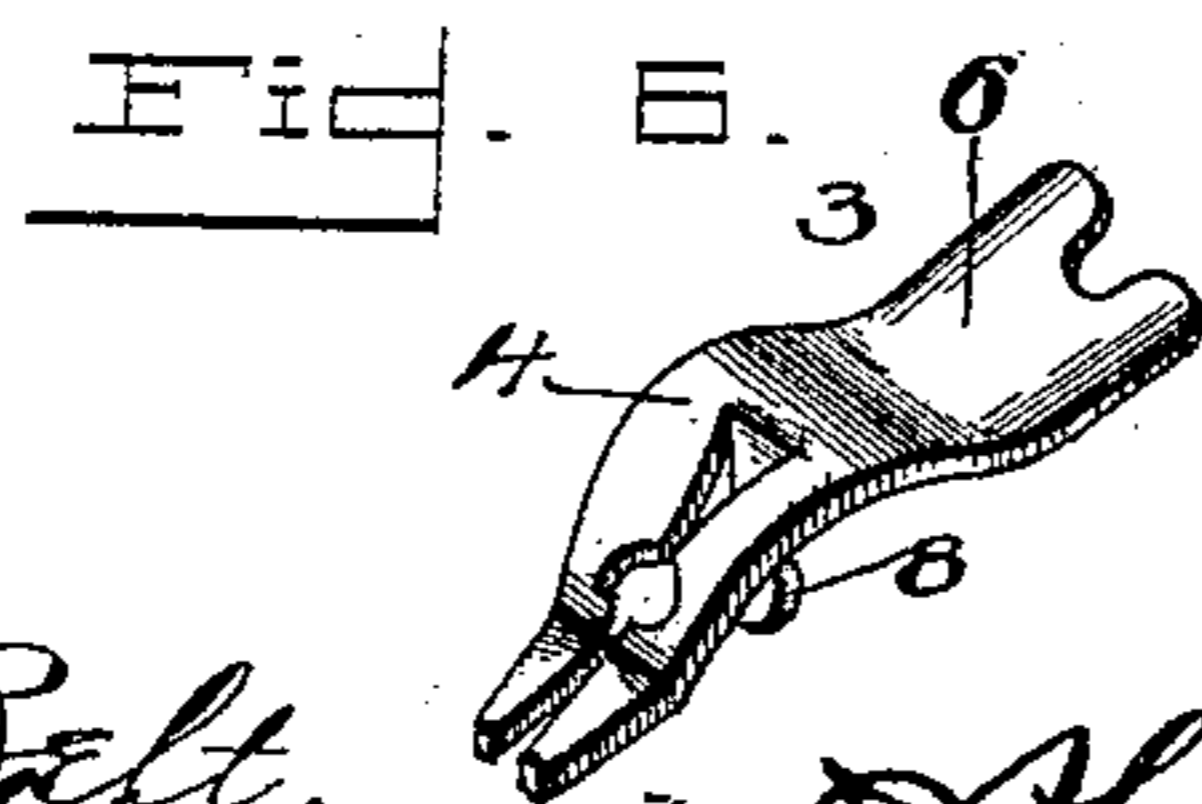
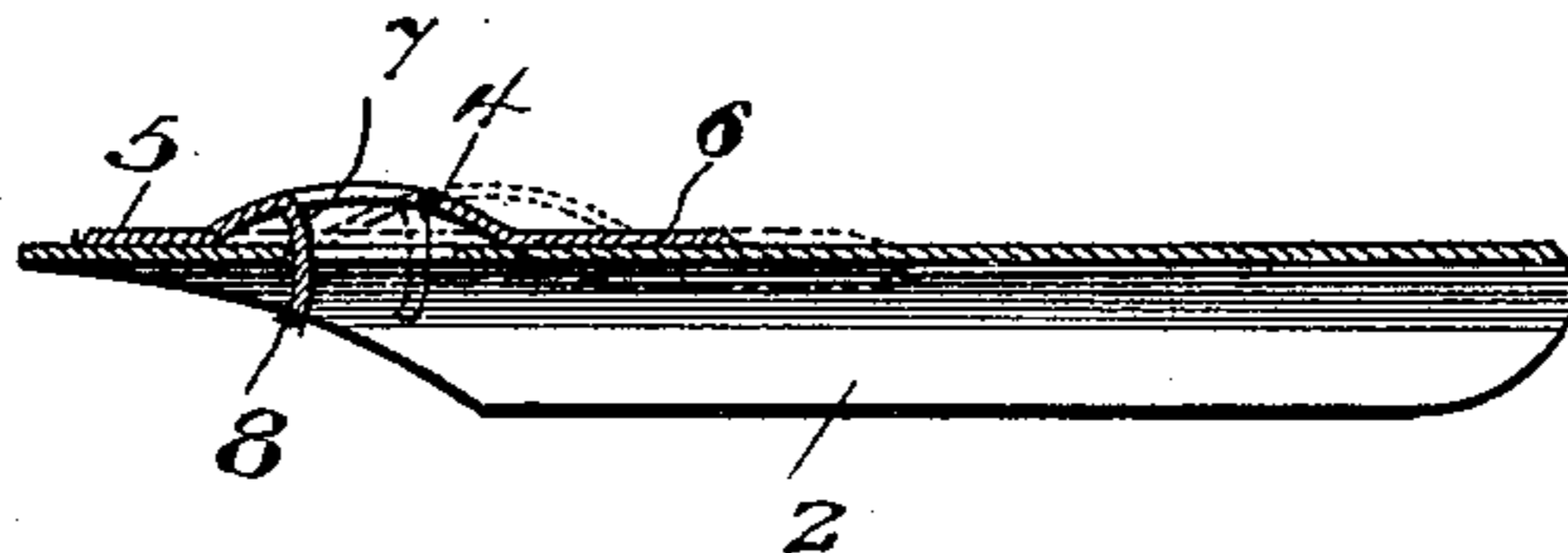
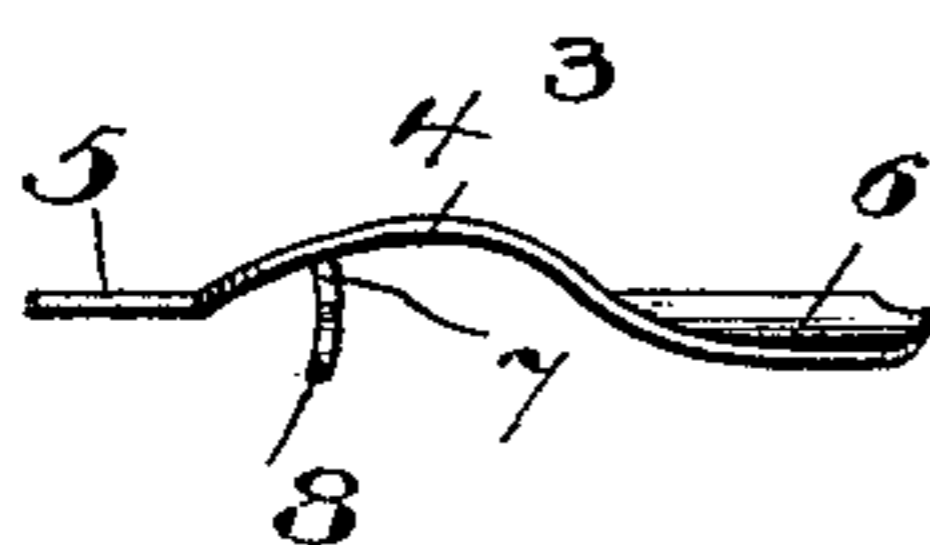
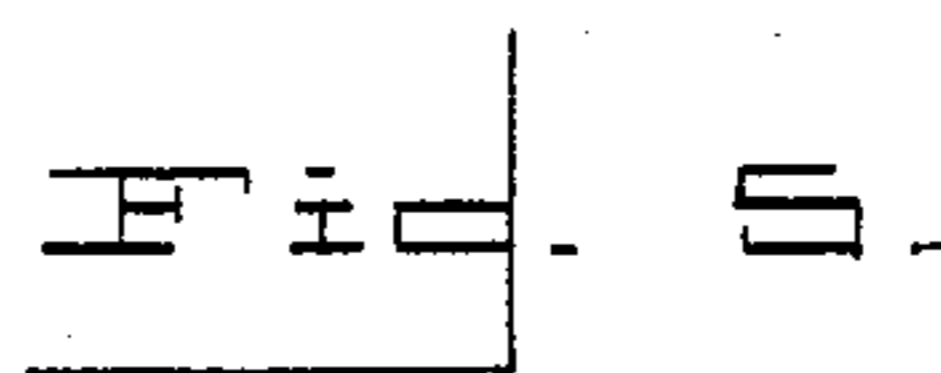
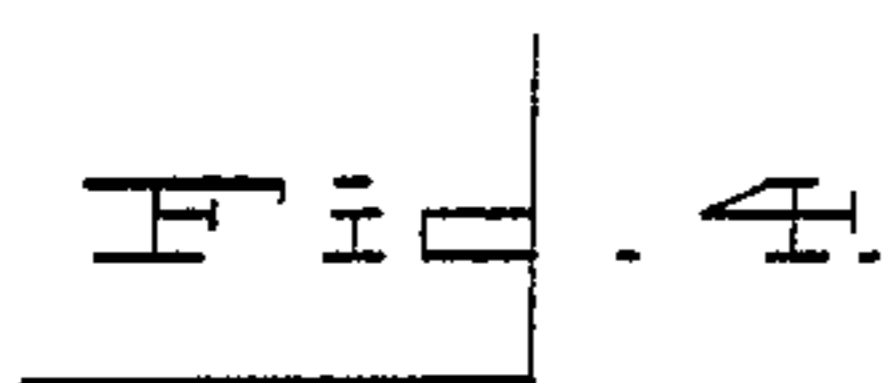
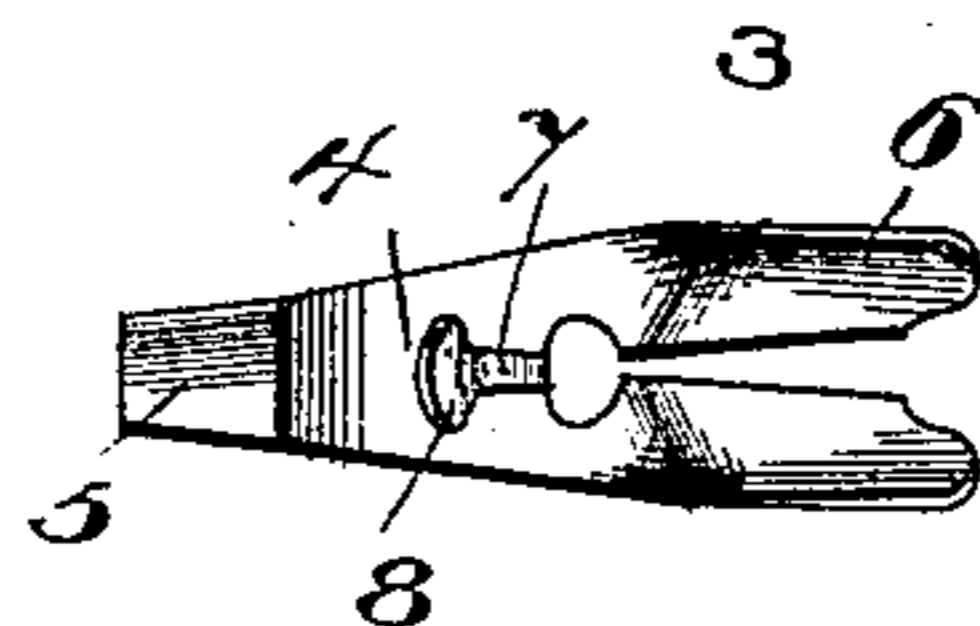
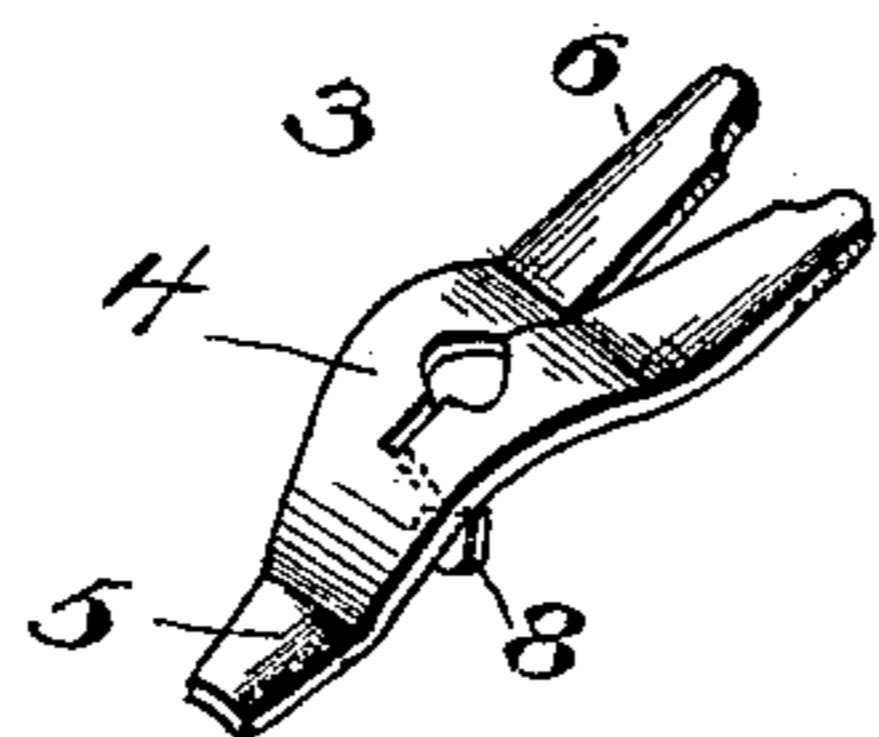
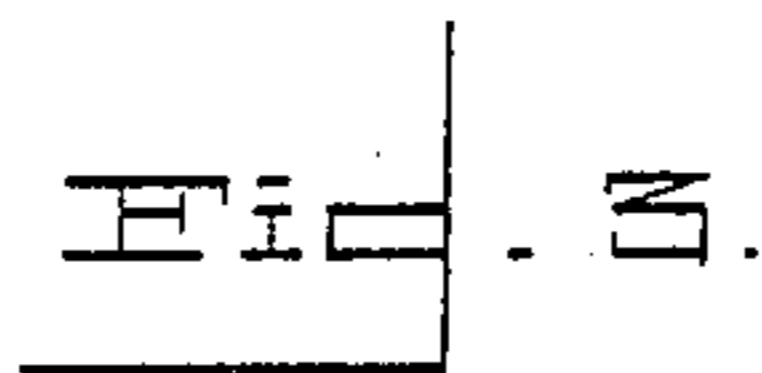
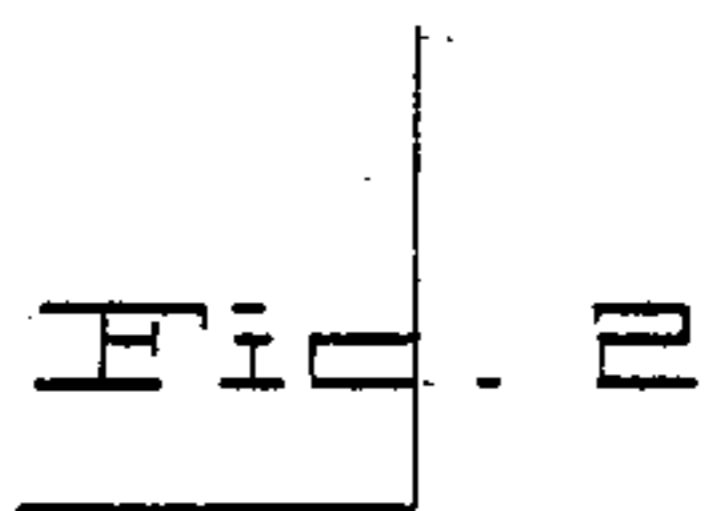
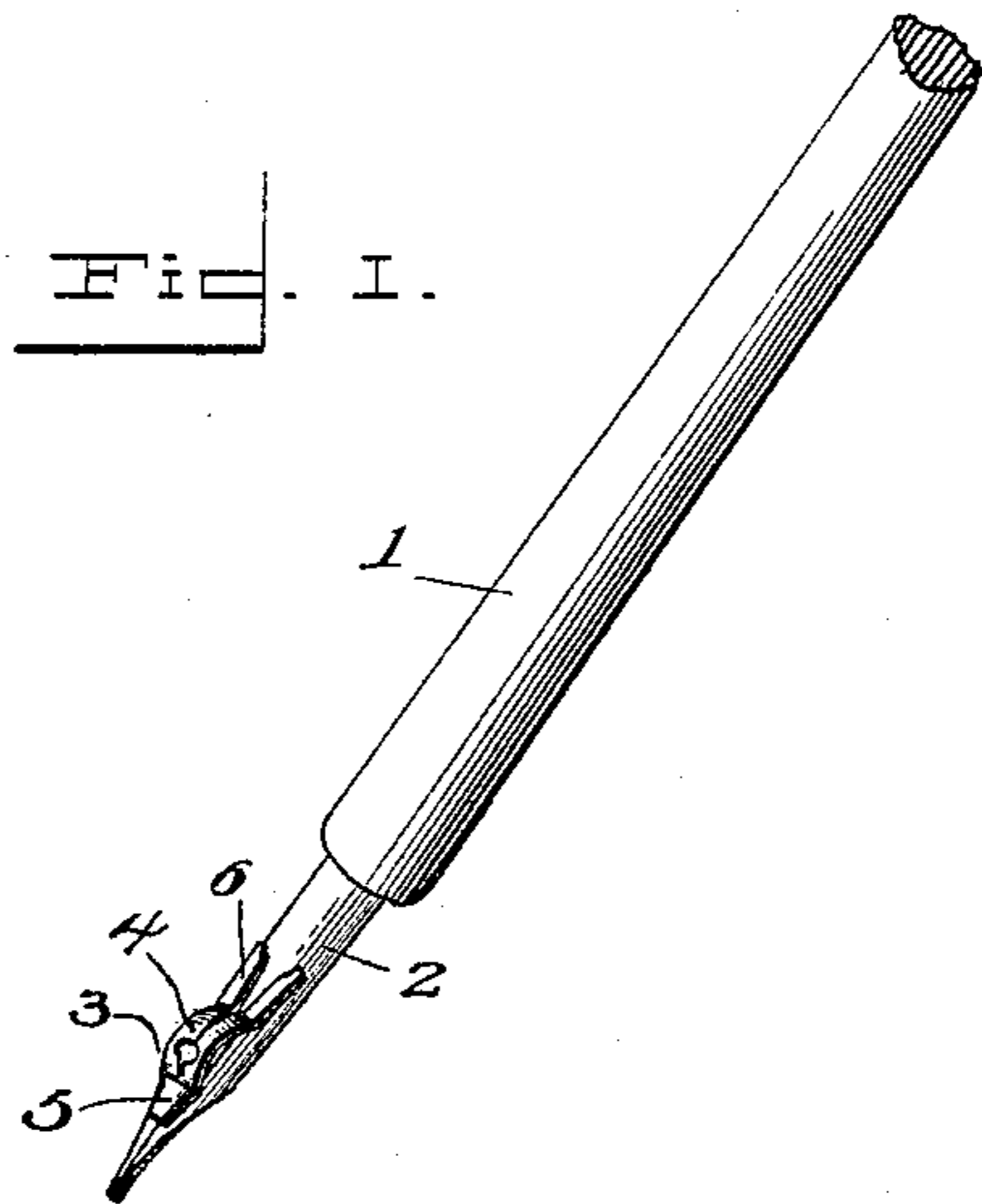
Patented Feb. 14, 1899.

J. K. YOUNG.

DETACHABLE FOUNTAIN OR RESERVOIR FOR PENS.

(Application filed Apr. 23, 1898.)

(No Model.)



Witnesses:

Leontine S. Belf,
J. H. Belf

by

A. B. Wilson & Co.

Inventor:

James K. Young,

Attorneys.

UNITED STATES PATENT OFFICE.

JAMES K. YOUNG, OF MERIDEN, CONNECTICUT.

DETACHABLE FOUNTAIN OR RESERVOIR FOR PENS.

SPECIFICATION forming part of Letters Patent No. 619,528, dated February 14, 1899.

Application filed April 23, 1898. Serial No. 678,608. (No model.)

To all whom it may concern:

Be it known that I, JAMES K. YOUNG, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Detachable Fountains or Reservoirs for Pens; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention has relation to detachable fountains or reservoirs for pens; and the object of the invention is to provide a simple, durable, and inexpensive device of this character that may be attached to nearly all forms of pen-points now in use and by means of which the annoyance of the writer in the frequent dipping of the pen will be reduced to a minimum and by means of which the flexibility of the nibs of the pen-points may be varied to adapt the pen to light or heavy strokes.

With this object in view the invention consists in certain features of construction and combination of parts hereinafter fully set forth.

In the drawings, Figure 1 is a perspective view illustrating the application of my invention to a pen-point of the ordinary construction. Fig. 2 is a detail perspective view of the fountain or reservoir removed. Fig. 3 is a bottom plan view. Fig. 4 is an edge view. Fig. 5 is a longitudinal sectional view through the pen-point and fountain, showing in full lines the relation of parts when it is desired to use the pen for making heavy strokes and in dotted lines the position of parts when the pen is used for light strokes; and Fig. 6 is a view of a modified form of my invention.

In the accompanying drawings, 1 denotes the penholder, 2 the pen-point, and 3 my improved fountain or reservoir. The fountain is struck up from a single piece of material, such as aluminium, celluloid, non-corrosive metal, as brass, German silver, or nickel, and is provided with an arched body portion 4, terminating at one end in a transversely-curved horizontally-projecting point 5, that engages the nibs of the pen, and with a rearwardly-projecting transversely-curved portion 6, that

fits over the curved shank of the pen. Struck out from the arched portion is a tongue in the shape of a T-head, the shank 7 of which is curved rearwardly and the head 8 of which extends transversely across the device.

In placing the fountain in position on the pen-point it is first crossed at right angles to the length of the point, so that the transverse head may enter the slit or eye at the upper ends of the nibs. The fountain is then turned quarter-way around until its point rests on the upper faces of the nibs and its transversely-curved portion engages the shank of the pen, the curvature of the shank of the T-head being such as to exert a slight spring or tension, and thereby hold the fountain in position.

When it is desired to make heavy lines with the pen-point, the fountain may be slipped longitudinally to the rear end of the pen, thus allowing free action of the nibs—that is, permitting them to separate to make a heavy stroke. For fine lines the device is moved toward the free ends of the nibs, and by exerting a pressure on the nibs near their points serves to stiffen said nibs, and thereby enable the writer to make fine lines.

In Fig. 6 I have shown a modified form of my invention, in which the T-head is made by slitting the arch in the opposite direction.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A reservoir for the purpose described, comprising the arched body portion having projecting downward therefrom a T-head adapted to engage the slit of a pen, and outward therefrom a point, and rearward therefrom a transversely-curved portion, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JAMES K. YOUNG.

Witnesses:

F. A. STEVENS,
W. H. RACE.