

W. M. PRINCE.
Pen.

No. 202,465.

Patented April 16, 1878.

Fig: 1.

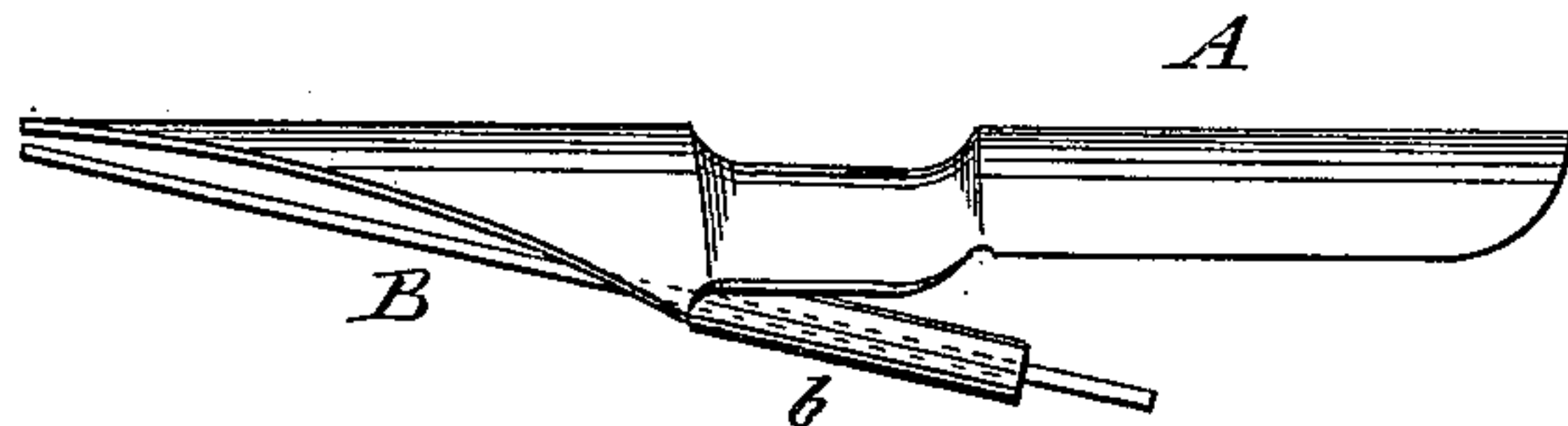


Fig: 2.

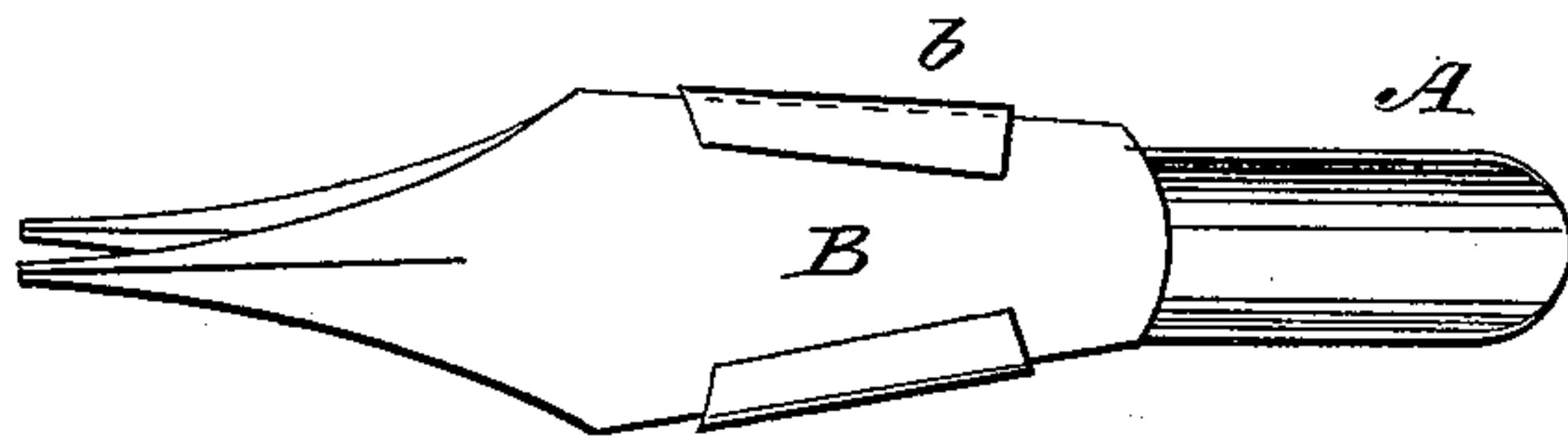
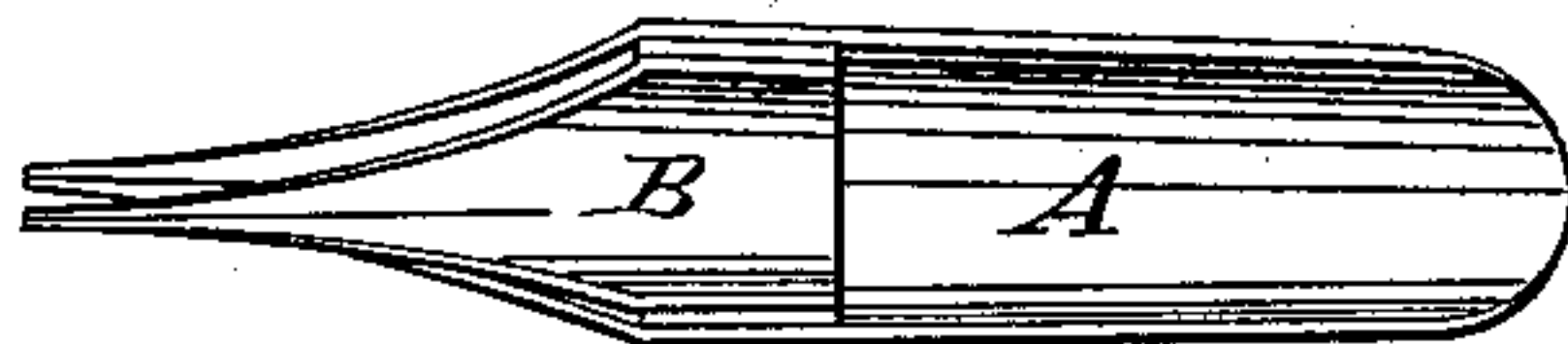


Fig: 3.



WITNESSES:

Chas. Nida.
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BY

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UNITED STATES PATENT OFFICE.

WILLIAM M. PRINCE, OF PITTSFIELD, MASSACHUSETTS.

IMPROVEMENT IN PENS.

Specification forming part of Letters Patent No. **202,465**, dated April 16, 1878; application filed February 2, 1878.

To all whom it may concern:

Be it known that I, WILLIAM M. PRINCE, of Pittsfield, in the county of Berkshire and State of Massachusetts, have invented a new and Improved Pen, of which the following is a specification:

Figure 1 is a side elevation of my improved pen. Fig. 2 represents the under side of the pen. Fig. 3 represents a modified form of pen.

Similar letters of reference indicate corresponding parts.

The invention relates to that class of pens which are provided with two or more distinct nibs or marking-points for ruling several lines simultaneously.

The invention consists in a pen having two distinct nibs, which are so arranged that the same amount of pressure upon both nibs will produce a heavy and a light line, as will be hereinafter more fully set forth.

In the drawing, A is a pen of ordinary form, and B is a flat pen-blade, secured to the concave side of the pen A by means of a clip, *b*. The points of the two pens are placed nearly in the same plane, and are placed a small distance apart.

In Fig. 3 a modified form is represented, in which two pens of ordinary form are secured together, the convex side of one being received in and secured to the concave side of the other, and the two points are separated a small distance.

By means of my improved pen all kinds of double lines may be produced, either solid and heavy or light lines; or a light line and a heavy one may be simultaneously drawn, if desired.

Double-nib pens for ruling purposes are well known; but, as heretofore constructed, they are imperfect, and can only be adapted to a very few styles of ruling.

In order to produce a heavy and a light line by the ordinary double-nibbed pen it will be necessary to have the pressure more on one point than on the other, and it is nearly impossible to do that steadily enough to make an even line the whole length. In the ordinary pens the points are separated from each other by an opening, and the pen-plates are parallel to each other, and located in the same plane. This widens the pen, and gives it such a shape as not to adapt it for ruling in the depressions of books or ledgers. The ink-supply is also speedily exhausted in pens of the ordinary construction.

In the present instance I attach a flat pen-plate to the under side of an ordinary steel pen, with the points of the two pens in nearly the same plane, as heretofore described. By this construction the points of the lower pen do not spread, but the upper pen does spread, and consequently a light and a heavy line is produced by an equal pressure upon both points.

The two plates, arranged in the manner shown, form a fountain-pen, as the ink is retained between the two plates and supplied to both points regularly for producing even lines.

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

The ruling-pen herein described, consisting of an ordinary steel pen having a supplementary nibbed pen-plate attached to the under side thereof, with the points of the two pens placed nearly in the same plane, and a small distance apart from each other, as and for the purpose set forth.

WILLIAM MONROE PRINCE.

Witnesses:

FRANK G. HALL,
FRANK WALKER.