

*R. Hirst,
Fountain Pen.*

No. 75909

Patented Mar. 24, 1868

Fig. 1.

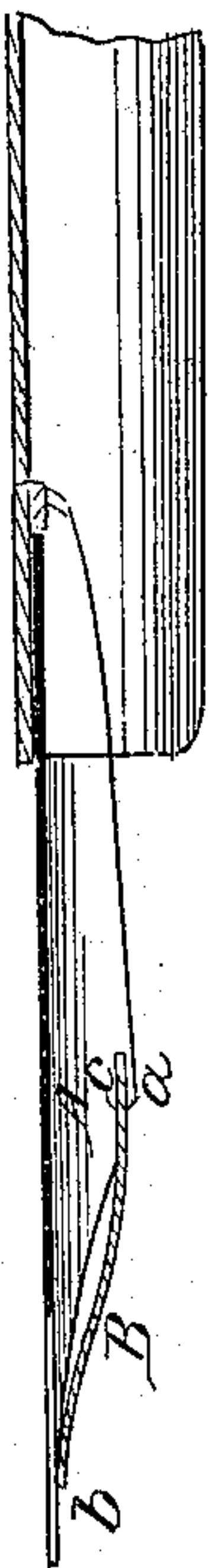
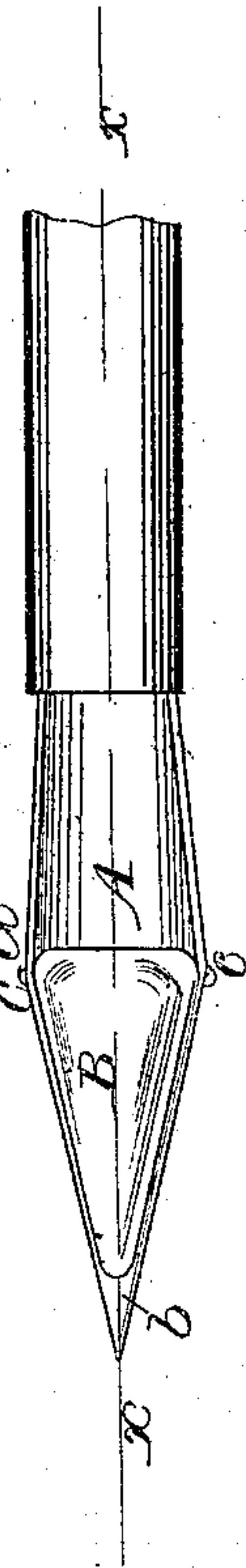


Fig. 2.



Witnesses.

Wm. C. Aslikett

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Inventor

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United States Patent Office.

ROBERT HIRST, OF HUDSON, NEW YORK.

Letters Patent No. 75,909, dated March 24, 1868.

IMPROVEMENT IN PENS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ROBERT HIRST, of Hudson, in the county of Columbia, and State of New York, have invented a new and improved Writing-Pen; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved attachment for writing-pens, for the purpose of retaining or holding a larger quantity of ink than can be retained by the ordinary simple pen.

The invention consists in applying a hinged flap or pallet to the inner or concave side of the pen; said flap or pallet extending from the broad or wide portion of the pen to within a short distance of the point or nib, as hereinafter fully shown and described, whereby a reservoir for ink is obtained, the ink allowed to flow readily from the pen, when the latter is in use, and the pen rendered capable of being cleaned with facility. In the accompanying sheet of drawings—

Figure 1 represents a longitudinal section of a pen provided with my invention, and taken in the line *xx*, fig. 2.

Figure 2, an inner view of the same.

Similar letters of reference indicate corresponding parts.

A represents a pen, which may be constructed in the usual way, and of gold or other metal. B represents my improved attachment, which is a flap or pallet corresponding in shape to the outer part of the pen, that is to say, to the portion included between the broad or wide part *a* and a point, *b*, a short distance from the point or nib, (see fig. 2.) This flap or plate is slightly concave at its inner side, and, at its inner or wide end, it is provided at each side with journals *c*, which pass through the two sides of the pen, and are allowed to turn freely therein, forming a joint, which, when the pen is dry or free from ink, will drop or open when the pen is held horizontally, concave or inner side downward, and be suspended at right angles with the pen.

When, however, the pen is dipped in the ink, the flap or pallet will come in contact with the pen, and remain in contact with it by atmospheric pressure while the pen is in use; the chamber between the flap or pallet and the pen forming an ink-reservoir of considerable capacity, from which the ink is allowed to flow freely.

Pens have been provided with flaps or strips at their concave sides to form ink-reservoirs, but, so far as I am aware, they have been rigidly attached, or allowed to spring or give but slightly, so that they cannot shed the ink freely, and, besides this, the pen, when foul or dirty, cannot be cleaned without a great deal of trouble and difficulty, whereas, in my improvement, the flap or pallet may be reversed or turned entirely back, so as to admit of the pen being thoroughly cleaned.

Another advantage my invention possesses is, that it does not bear on the pen near the point, nor does it restrict the spreading of the same at each side of the slit, as is the case with the other attachments, and which retards the flow of the ink from the pen.

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

The flap B, when pivoted at its widest end to the concave side of the pen A, corresponding in shape to the outer part of said pen, and held thereto, when in use, by atmospheric pressure, as herein described, for the purpose specified.

ROBERT HIRST.

Witnesses:

I. BINGHAM,
MARSHALL N. COVENTRY.