

(No Model.)

G. PELLINGER.

FOUNTAIN PEN.

No. 381,417.

Patented Apr. 17, 1888.

Fig. 1.

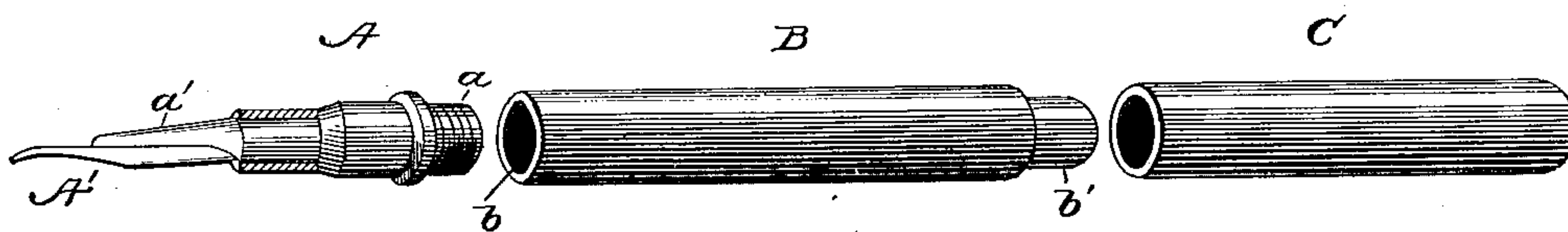


Fig. 2.

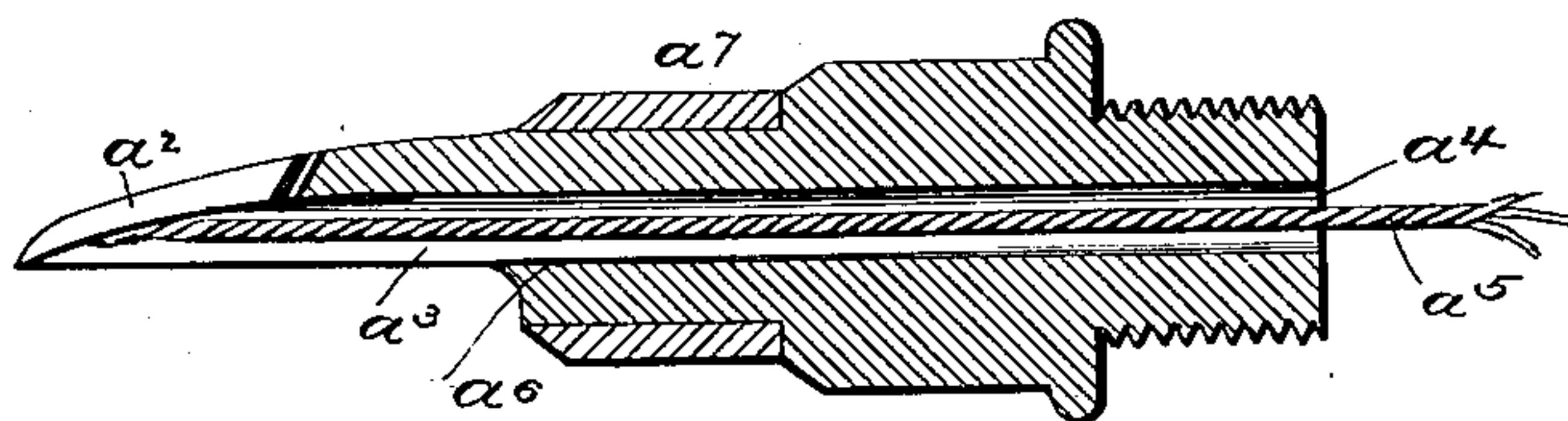
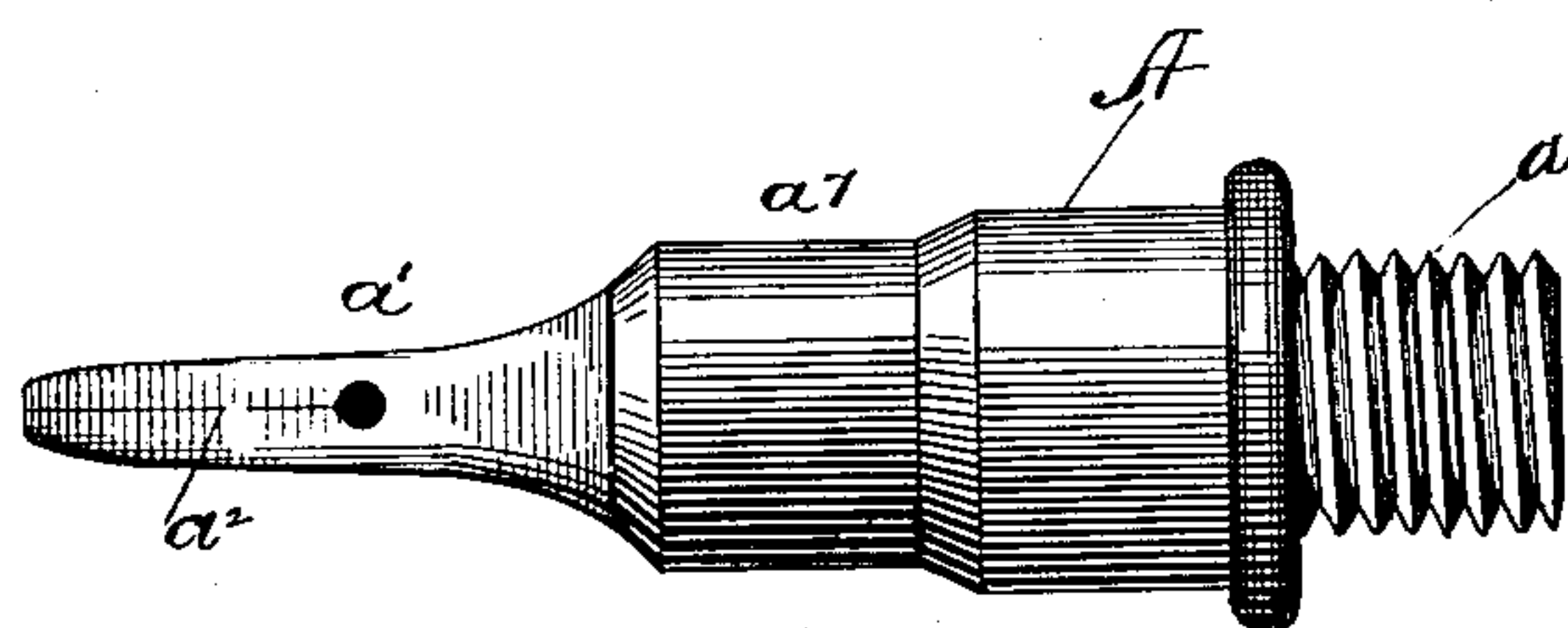


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE PELLINGER, OF AKRON, OHIO.

FOUNTAIN-PEN.

SPECIFICATION forming part of Letters Patent No. 381,417, dated April 17, 1888.

Application filed November 18, 1887. Serial No. 255,522. (No model.)

To all whom it may concern:

Be it known that I, GEORGE PELLINGER, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Fountain-Pens; and I do hereby 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.

This invention relates to fountain-pens.

The object is to produce a fountain-pen which shall be simple of construction, reliable in operation, and always ready for use.

Furthermore, the object is to produce a fountain-pen in which a steady flow of ink shall be supplied to the pen-point from a fountain or reservoir formed in the handle or holder; and, finally, the object is to produce a fountain-pen the construction of which will admit of the use of any style of pen-point desired.

With these objects in view this invention consists in a stem provided with an outward-projecting elongated tongue grooved on its under surface and connecting with a hole or conduit extending through the entire length of the stem, the tip of said tongue having a slit designed to open when pressure is brought to bear upon it.

Furthermore, the invention consists in the combination of a stem having an outward-extending elongated tongue grooved on its under surface and connecting with a hole or conduit extending through the entire length of the stem, the tip of said tongue having a slit designed to open when pressure is brought to bear upon it, with a wick designed to convey the ink by force of capillary attraction from the reservoir or fountain to the upper side of the pen-point.

Furthermore, the invention consists in the combination of a stem provided with an outward-projecting elongated tongue grooved on its under surface and connecting with a hole or conduit extending through the entire length of the stem, the tip of said tongue having a slit designed to open when pressure is brought to bear upon it, a wick designed to convey the ink by force of capillary attraction from the reservoir or fountain to the upper side of the pen-point, and a reservoir or fountain formed

in the handle of the pen and adapted to contain the ink requisite to the perfect working of the pen; and, finally, the invention consists in various other details of construction, as hereinafter fully set forth.

In the accompanying drawings, forming part of this specification, and in which like letters of reference indicate corresponding parts, Figure 1 is a perspective view of the pen, the parts being detached. Fig. 2 is an enlarged detail sectional view showing the position occupied by the wick which feeds the ink, and Fig. 3 is a plan view of the same.

Referring to the drawings, A designates the stem, having the screw-threaded shoulder *a* and outward-projecting tapering tongue, *a'*, superimposed upon the pen A', the said tongue having its tip slitted longitudinally, as shown at *a''*, and being designed to open when pressure is brought to bear upon the pen and allow a greater flow of ink to the pen, being also intended to render the pen more flexible. Commencing at the tip of the tongue is a groove, *a'''*, which extends to the base thereof, where it connects with the hole or conduit *a''*, the said hole or conduit continuing throughout the entire length of the stem and designed to accommodate a wick, *a⁵*. At the base of the tongue a semicircular slit, *a⁶*, is provided for the purpose of holding the pen-point, said slit being covered and clamped by a collar or sleeve, *a⁷*.

B represents a reservoir or fountain having its inner surface, *b*, of one end screw-threaded and adapted to engage the threaded shoulder *a* of the stem.

C represents a cap, which, when in position, fits over the tongue *a'* and protects the pen-point from injury when not in use or while being carried in the pocket.

To make the pen operative, the fountain or reservoir B is partly filled with ink or some other fluid suitable for writing purposes. The threaded portion *a* of the stem is then screwed into the opening *b*. The wick *a⁵* is of sufficient length to touch the ink when the pen is held in a vertical position. It is obvious that by capillary attraction the ink will be carried by the wick from the reservoir to the top of the pen A' in position beneath the tongue *a'*, thus supplying a constant flow of ink to the pen-point. It is also obvious that the flow of

ink is largely dependent upon the manner in which the wick is adjusted, the flow being either increased or diminished by the wick being either tightly or loosely fitted in the conduit.

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

1. In a fountain-pen, a stem having an outward-projecting elongated tongue grooved on its under surface and connecting with a hole or conduit extending throughout its entire length, the tip of the said tongue having a slit designed to open when pressure is brought to bear upon it, and thus allow the ink to flow more freely to the pen, substantially as described.

2. In a fountain-pen, the combination of a stem having an outward-projecting elongated tongue grooved on its under surface and connecting with a hole or conduit extending throughout the length of the stem, the tip of the said tongue having a slit designed to open when pressure is brought to bear upon it to allow a larger flow of ink to the pen, and a

wick designed to convey the ink by force of capillary attraction from the reservoir or fountain to the upper side of the pen-point, substantially as described.

3. In a fountain-pen, the combination of a stem having an outward-projecting elongated tongue grooved on its under surface and connecting with a hole or conduit extending throughout the length of the stem, the tip of said tongue having a slit designed to open when pressure is brought to bear upon it and allow a larger flow of ink to the pen, a wick designed to convey the ink by force of capillary attraction from the reservoir or fountain to the upper side of the pen-point, and a reservoir or fountain formed in the handle of the pen to contain the ink requisite to the perfect working of the pen, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE PELLINGER.

Witnesses:

ORAZIO LUGO,

FREDK. C. BRYAN.