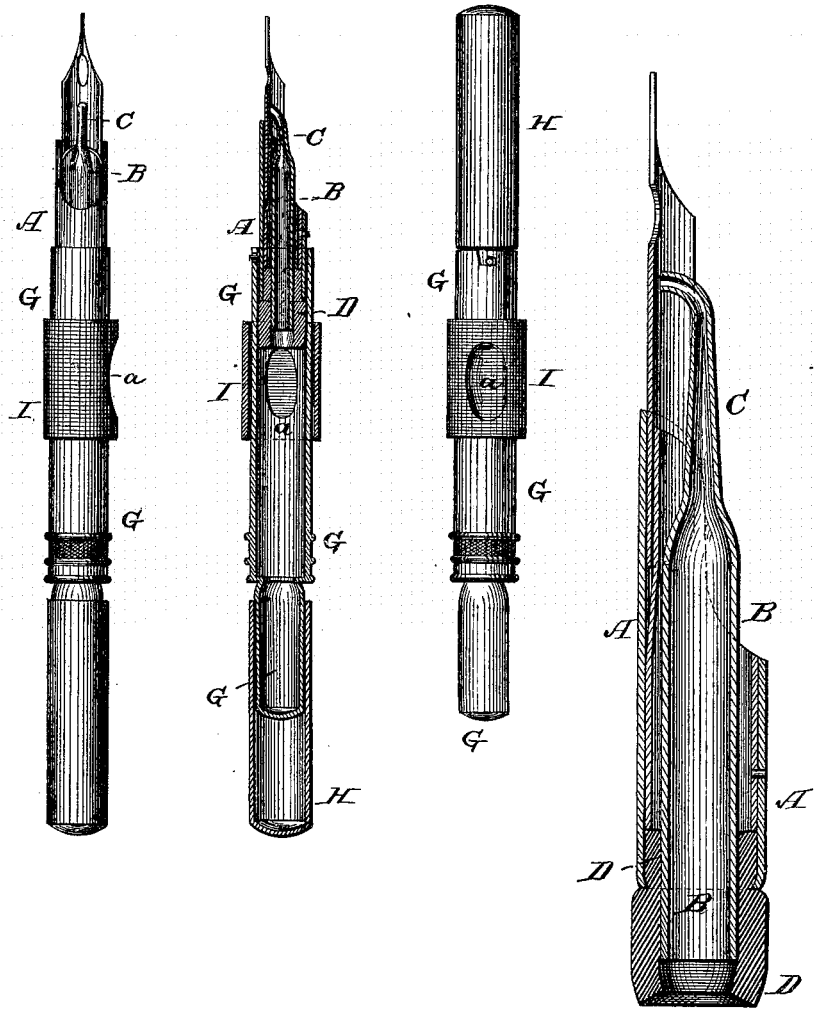
J. W. STANTON.
Fountain-Pens.

No. 196,051. Patented Oct. 9, 1877.

Fig. 1. *Fig. 2.* *Fig. 3.* *Fig. 4.*



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UNITED STATES PATENT OFFICE.

JOHN W. STANTON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF A PART OF HIS RIGHT TO G. W. WEART, OF SAME PLACE, AND RUTH R. WILLIAMS, OF BRIDGEPORT, OHIO.

IMPROVEMENT IN FOUNTAIN-PENS.

Specification forming part of Letters Patent No. **196,051,** dated October 9, 1877; application filed September 20, 1877.

To all whom it may concern:

Be it known that I, JOHN W. STANTON, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Fountain-Pens; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a fountain-pen, as will be hereinafter more fully set forth.

In the annexed drawing, which forms a part of this specification, and to which reference is made, Figure 1 is a front view of my invention open. Fig. 2 is a longitudinal section of the same. Fig. 3 is a side view of the invention closed, and Fig. 4 is an enlarged longitudinal section of the end of the holder.

A represents the holder proper for receiving the pen, within which is secured a small glass tube, B, formed with a neck, C, having its end curved or bent to come close to the inner side of the pen, and feed the ink to the same slowly, drop by drop. Around the upper end of the glass tube B is placed a rubber sleeve, D, and the holder A surrounds a portion of said rubber sleeve, and the parts are fastened together by contracting the inner end of the holder, as shown in Fig. 4, so as to compress the rubber sleeve at that point, or by any other suitable means, so as to hold the glass tube B flexibly within the holder at the same time as both the tube and the sleeve project beyond the end of the holder, as shown.

This projecting portion of the tube and sleeve is inserted in the end of the handle G, which is made tubular in form, closed at one end and open at the other end, in which latter the tube with its sleeve is inserted. The handle G is also intended to be fastened to the glass tube in the same manner as described for the holder A.

It will readily be seen that by means of the rubber sleeve D a perfectly-tight joint is made between the holder, handle, and interior glass tube.

The tubular handle G forms the fountain, and is provided with an opening, *a*, in the side thereof. This opening is then closed by means of a tight rubber sleeve or band, I, placed around the handle over said opening. This rubber sleeve or band I should be long enough and tight enough to prevent any escape of ink through said opening.

It is also designed for another very important purpose—viz., to form a feeding device to supply the pen with ink from the fountain. The opening *a* in the handle G is made at such a point that when the pen is held in the natural (or most common) position the thumb will be directly over said opening. Ordinarily the ink will not pass out of the curved neck C of the feed-tube on account of atmospheric pressure; but by a gentle pressure with the thumb on the rubber sleeve I into the opening *a*, one or more drops of ink are forced out and supplied to the pen. This operation may be repeated as often as necessary without stopping, or in any way delaying, the progress of writing.

H represents simply a tube, closed at one end, to be placed over the pen and the holder A when the pen is not in use, and when in use said tube is placed on the end of the handle to lengthen the same.

The fountain or handle G is filled from the end by taking out the holder and feed-tube, and when filled the same is replaced again. The sleeve I, being on the outside of the handle, naturally forms a depression in or over the opening *a*, so that the body of the handle will protect the same and prevent the ink from being accidentally forced out.

The feed-tube B, being made of glass, will not corrode, and admits of the writer observing whenever the ink needs replenishing. Said tube being flexibly attached in the holder allows of its accommodating itself to various sizes of pens.

The interior of the handle or fountain G is coated with a preparation of paraffine or paraffine wax, so that the ink will not come in contact with the metal, which would corrode the same and spoil the ink.

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

1. In a fountain-pen, the combination of the holder A, feed-tube B, and handle or fountain G with the rubber sleeve D, to form the connection and tight joint between the parts and hold the feed-tube, as set forth.

2. In a fountain-pen, the combination of a pen and feed-tube with the rubber sleeve D, whereby the feed-tube adjusts itself to different-sized pens, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOHN W. STANTON.

Witnesses:

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