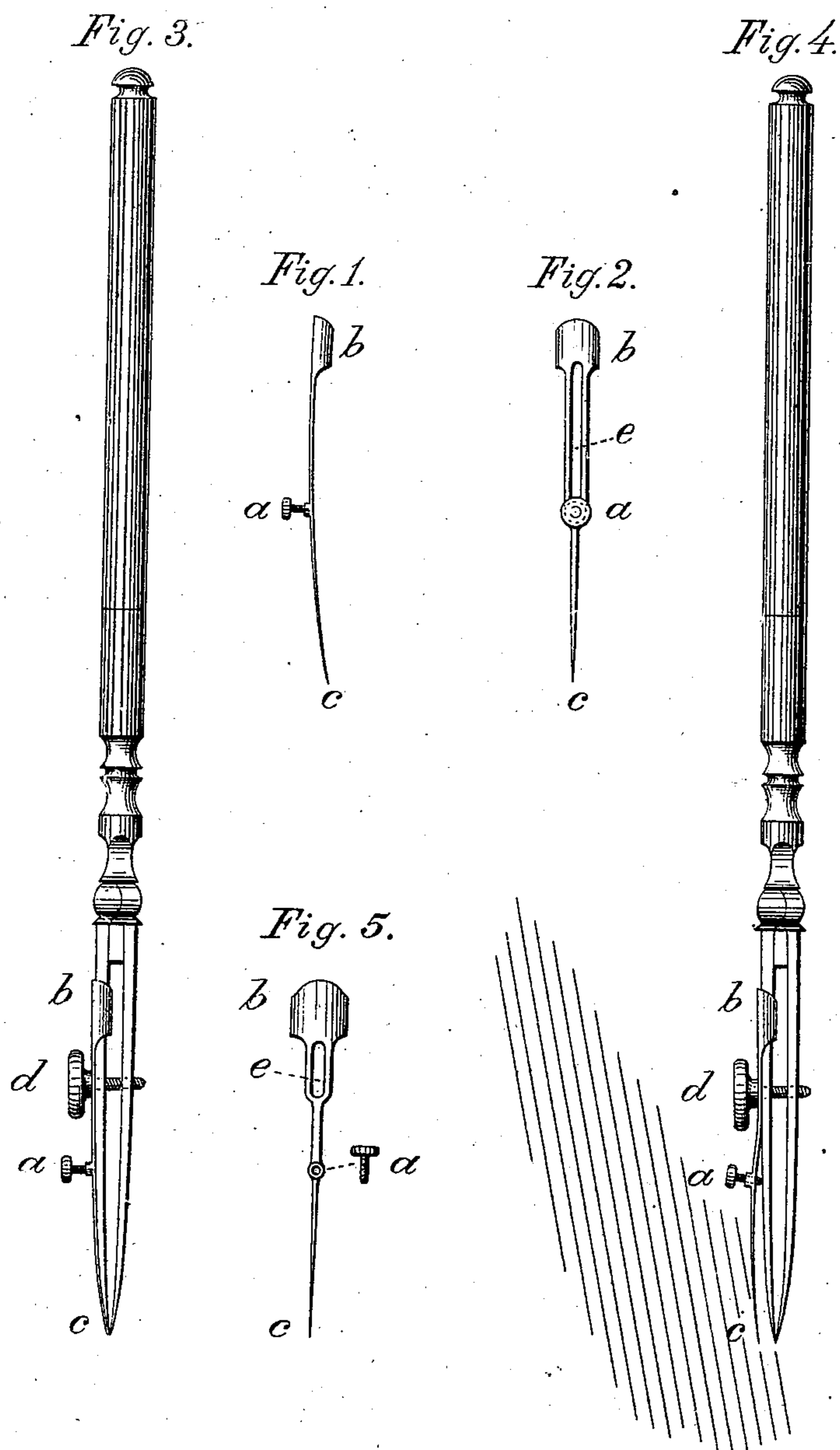


R. L. WALTER.
Drawing-Pen

No. 200,588.

Patented Feb. 19, 1878.



WITNESSES:

James S. Pierce.
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UNITED STATES PATENT OFFICE.

RUDOLPH L. WALTER, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN DRAWING-PENS.

Specification forming part of Letters Patent No. **200,588**, dated February 19, 1878; application filed December 29, 1877.

To all whom it may concern:

Be it known that I, RUDOLPH L. WALTER, a resident of Washington city, in the District of Columbia, have invented certain new and useful Improvements in Drawing-Pens, consisting of a section or parallel lines spacing attachment thereto; and I do hereby declare that the following is a clear and exact description thereof, reference being had to the accompanying drawing, and the letters of reference marked thereon, which form part of this specification.

The object of my invention is to rule and space parallel or section lines at one and the same operation in an accurate and more simple manner than is now employed.

Any of the appurtenances now in market, as far as I know, for ruling parallel lines—as, for instance, Bergner's section-liner, carrying a triangle, and others moving a rule—admit lines of only a certain length, while with my attachment they are unlimited.

My invention, then, consists of an attachment to an ordinary drawing or ruling pen, by means of which any person acquainted with its use will be enabled by a little practice to rule equidistant parallel lines of any desirable length and certain space apart with measured exactness.

In the accompanying drawing, Figure 1 is a side view, and Figs. 2 and 5 are front views, embodying my invention. Fig. 3 shows my attachment adjusted to a drawing-pen, and Fig. 4 shows it set for active operation.

It will readily be seen that my attachment is intended to be used on the outside blade of a drawing-pen, to which it conforms in shape, and which it snugly fits and holds with the clamp *b*. It is slotted for the reception of the drawing-pen screw, the head of which holds and firmly secures it to the pen. The slot *e* is made of some length for the purpose of allowing movement up or down, adjustment to different size pens, and also of giving to the attachment a balanced elasticity when the screw *a* is turned, which latter, when nearly or entirely screwed home, as is required for wide spacing, will tilt or slide a little on the blade of the drawing-pen, exerting at the same time a pressure toward the point thereof, which is readily counteracted by the drawing-pen screw.

In order to space and rule parallel lines according to my plan, slide the attachment down until its measuring-point *c* comes nearly on line or even with the points of the drawing-pen, without touching the paper; turn the screw *a* until the required space is obtained; ink the pen, regulate it for fine or coarse lines, as the case may be, and rule by T-square or triangle. The point *c* will then, each time a line is to be ruled, accurately measure the space, and uniformity and neatness are secured according to the skill of the operator.

Fig. 5 represents my attachment more especially adapted for use with a certain size drawing-pen, operating substantially in the same manner above described.

My attachment can also, by a slight change in form, and without departing from the spirit of my invention, be made adjustable to a common lead-pencil or pen-holder, and large enough to space inches instead of lines.

The material I prefer for its construction is steel, finely tempered.

Having thus fully described my invention, and set forth its operation and advantages, I do not claim, broadly, any attachment to a drawing-pen; but

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

1. A detachable attachment to an ordinary drawing-pen, having slot *e* and measuring-point *c*, substantially as and for the purpose set forth.

2. A detachable attachment to an ordinary drawing-pen, having screw *a*, slot *e*, and measuring-point *c*, substantially as and for the purpose specified.

3. A section or parallel lines spacing attachment to an ordinary drawing-pen, having the clamp *b*, slot *e*, screw *a*, and measuring-point *c*, operating together substantially as and for the purpose above set forth and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RUDOLPH L. WALTER.

Witnesses:

JAMES S. PIERCE,

MICHAEL A. LYONS.