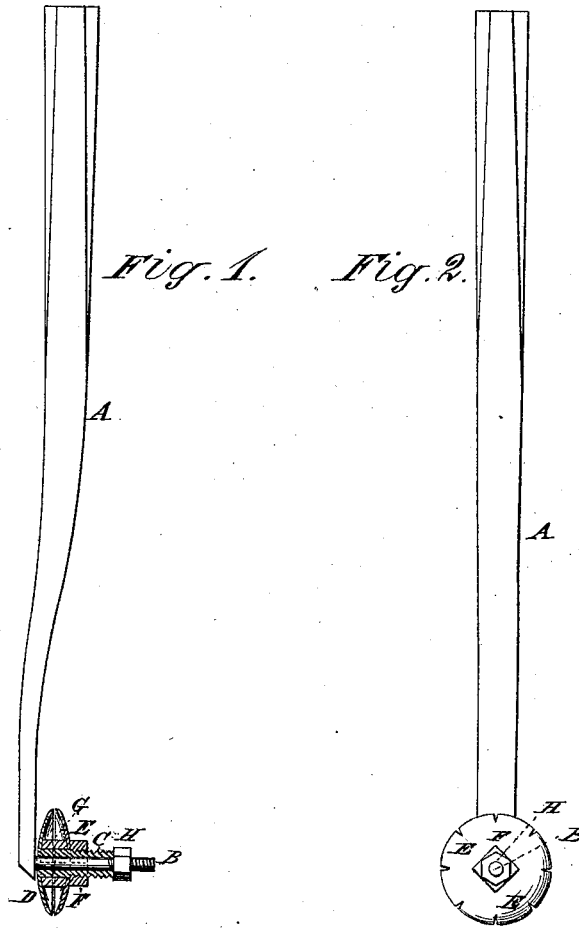


B. PERRY.
Drawing-Pens.

No. 196,166.

Patented Oct. 16, 1877.



WITNESSES:

H. Rydquist
J. H. Scarborough.

INVENTOR:

B. Perry.
BY *Munn & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

BETHUNE PERRY, OF ALBION, CALIFORNIA.

IMPROVEMENT IN DRAWING-PENS.

Specification forming part of Letters Patent No. **196,166**, dated October 16, 1877; application filed August 3, 1877.

To all whom it may concern:

Be it known that I, BETHUNE PERRY, of Albion, in the county of Mendocino and State of California, have invented a new and useful Improvement in Drawing-Pens, of which the following is a specification:

Figure 1 is a front view of my improved drawing-pen, partly in section, to show the construction. Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved drawing-pen which shall be simple in construction and convenient and reliable in use, and which will make a broken line instead of a dotted one.

The invention consists in an improved drawing-pen formed by the combination with each other of the stem, the spindle, the sleeve, the concaved and notched disks, the spring, and the nuts, as hereinafter fully described.

A is the stem or handle of the pen, which is made of a convenient length and size, and upon the side of the lower end of which is formed, or to it is attached, a spindle, B. Upon the inner part of the spindle B is placed a sleeve, C, to the inner end of which is secured a disk, D. The middle part of the sleeve is squared to fit into a square hole in a second disk, E, which is held in place by a nut, F, screwed upon a screw-thread cut upon the outer end of the sleeve C. The disks D E are held apart by a rubber or other spring, G, placed upon the sleeve C between them. The

disks D E are concaved, are placed with their concave sides toward each other, and have radial notches formed in their edges. The sleeve C and its disks, nut, and spring D E F G are kept in place upon the spindle B by a nut, H, screwed upon a screw-thread cut upon the outer end of the said spindle B. The disks D E may be supplied with ink by separating them and putting the ink into the cavity between them; or the disks may be supplied with ink with a brush without taking them apart.

With this construction, by tightening the nut H, so as to prevent the sleeve C and its attachments from revolving, the pen will make a continuous line, and by loosening the said nut H, so as to allow the sleeve C and its attachments to revolve, the pen will make a broken line. The stem or handle A should be made with a bend or offset in its lower part, so as to bring the body of said handle directly over the edges of the disks D E.

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

An improved drawing-pen, consisting of the stem A, the spindle B, the sleeve C, the concaved and notched disks D E, the spring G, and the nuts F H, substantially as herein shown and described.

BETHUNE PERRY.

Witnesses:

JNO. W. DUNBAR,
A. HEESER.