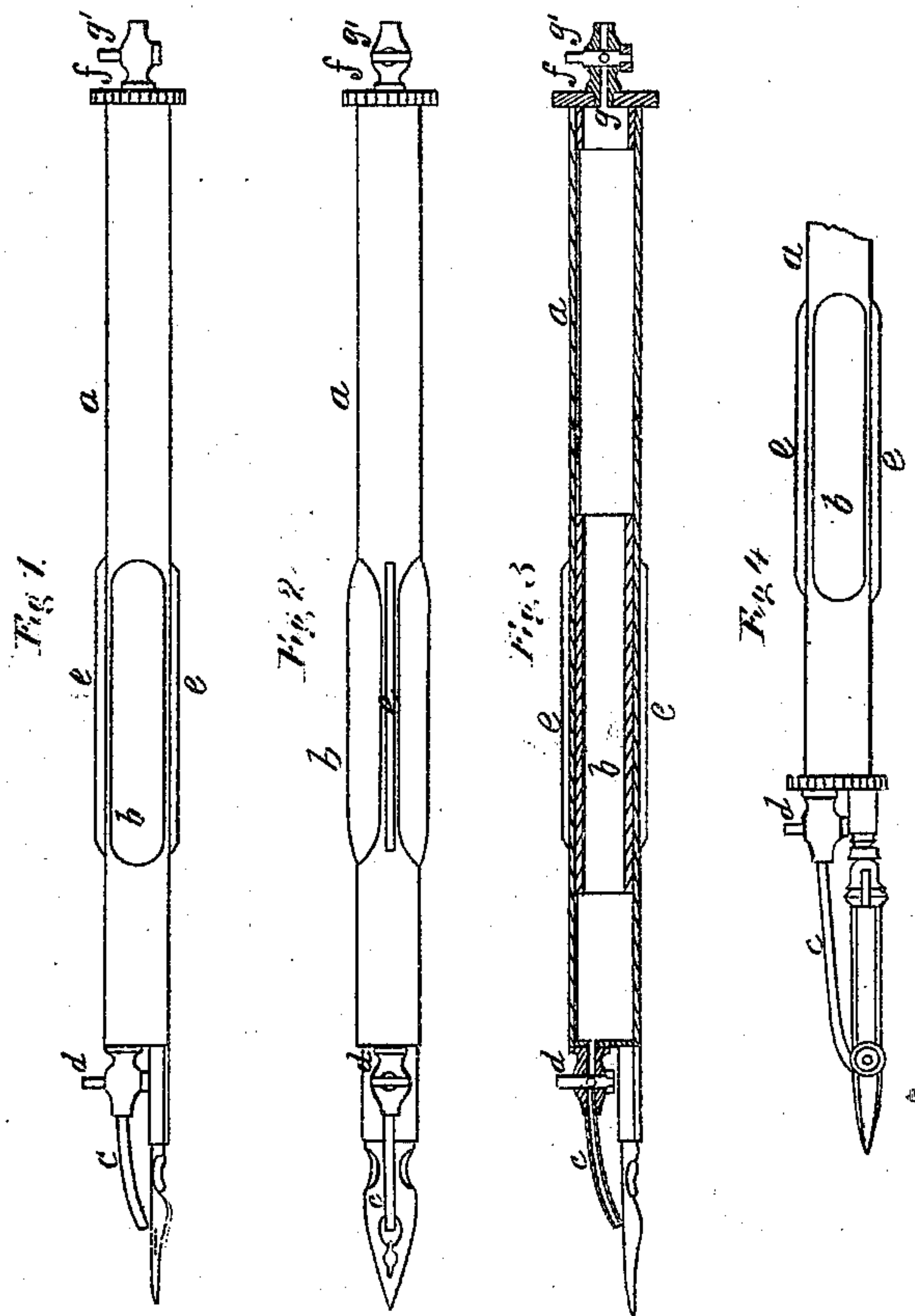


Odermatt & Ettling, Fountain Pen.

No. 88056.

Patented Apr 16 1869



Witnesses.

Will. Brooks

Augustus Du Prat

Inventors
F. A. Odermatt

and
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By
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United States Patent Office.

FRANZIS A. ODERMATT AND FRANK ETTLIN, OF SAN FRANCISCO,
CALIFORNIA.

Letters Patent No. 88,656, dated April 6, 1869.

IMPROVEMENT IN FOUNTAIN-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 we, FRANZIS A. ODERMATT and FRANK ETTLIN, of the city and county of San Francisco, State of California, have invented an Improved Writing and Drawing Fountain-Pen; and we do hereby declare that the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains, to make and use our invention or improvements without further invention or experiments.

The nature of our invention is to provide a new and useful improvement in writing and drawing fountain-pens, the two combining the same general principles, which consists in providing a barrel, or fountain, with flexible sides, so that, by gently pressing with the fingers, the ink is forced out through a small pipe, upon the back of the pen, in the desired quantity. The flow of ink is checked wholly or partially by a small stop-cock, which is placed a little below the end of the barrel.

To more fully illustrate and describe our invention, reference is had to the accompanying drawings, and letters marked thereon, of which—

Figure 1 is a side view.

Figure 2, a bottom view.

Figure 3, a longitudinal section.

Figure 4 shows the attachment of a drawing-pen, in red.

a is the barrel, or fountain, which is cut away at both sides, to admit a flexible tube, *b*, which is so packed, or cemented to the interior of the barrel, as to be water-tight, and may swell out a little larger than the circumference of it.

The thumb and fore-finger of the writer rest on the flexible sides in using, and, by gently pressing it, the ink will flow out at the end of the small curved supply-pipe, *c*, at the lower end of the fountain, upon the back of the pen, in the desired quantity.

A small stop-cock, *d*, is provided for the pipe, which, by turning, will check the flow entirely, or only partially, as desired.

For a greater convenience in holding the fountain, raised bars, *e e*, are placed above and below, and hori-

zontally with it. The fore-finger may rest against the upper one, and the second finger against the lower bar.

The upper end of the barrel, or fountain, is provided with a stopper, *f*, to fit tightly in the end, or over it, which may be of cork, rubber, or metal, with a screw-connection.

An air-pipe, *g*, leads through the head into the barrel, and has a small cock, *g'*, to let the air escape from time to time, if the pressure should become too great.

When the pen is not in use, both cocks should be shut.

In the application of our invention to a drawing-pen, the same general construction may be followed, with the exception that the end of the supply-pipe be carried below the regulating-screw, and be curved a little more, to carry it to the centre of the two blades, or lips, and when a communication is once had of the ink to the point of the pen, it will flow regularly.

It would be well, however, before commencing to write, or draw, to wipe the back of the pen and point with a wet sponge, so that the ink will more evenly and readily flow to the point.

In filling the fountain, the lower cock is to be shut, and the stopper removed, when the ink is poured in at the top.

By this device, we have a fountain-pen that can be used a much longer time than other fountain-pens, without replenishing.

Having thus described our invention,

What we claim, and desire to secure by Letters Patent, is—

The pen described, consisting of the hollow handle *a*, pivoted with the flexible parts *b b*, and guard-pieces *e e*, with tube *c*, with cock *d*, and head *f*, with cock *g'*, the whole being combined and arranged as described, for the purpose set forth.

In witness whereof, we have hereunto set our hands and seals.

FRANZIS A. ODERMATT. [L. S.]
FRANK ETTLIN. [L. S.]

Witnesses:

O. W. M. SMITH,
E. V. SUTTER.