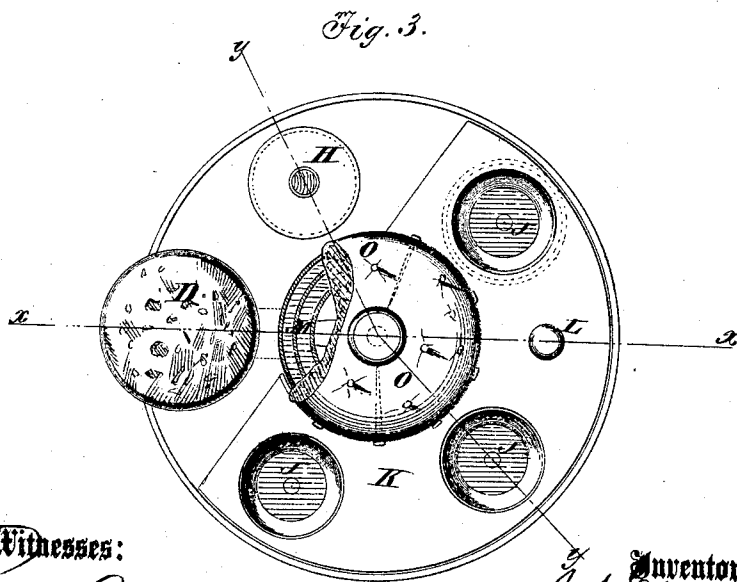
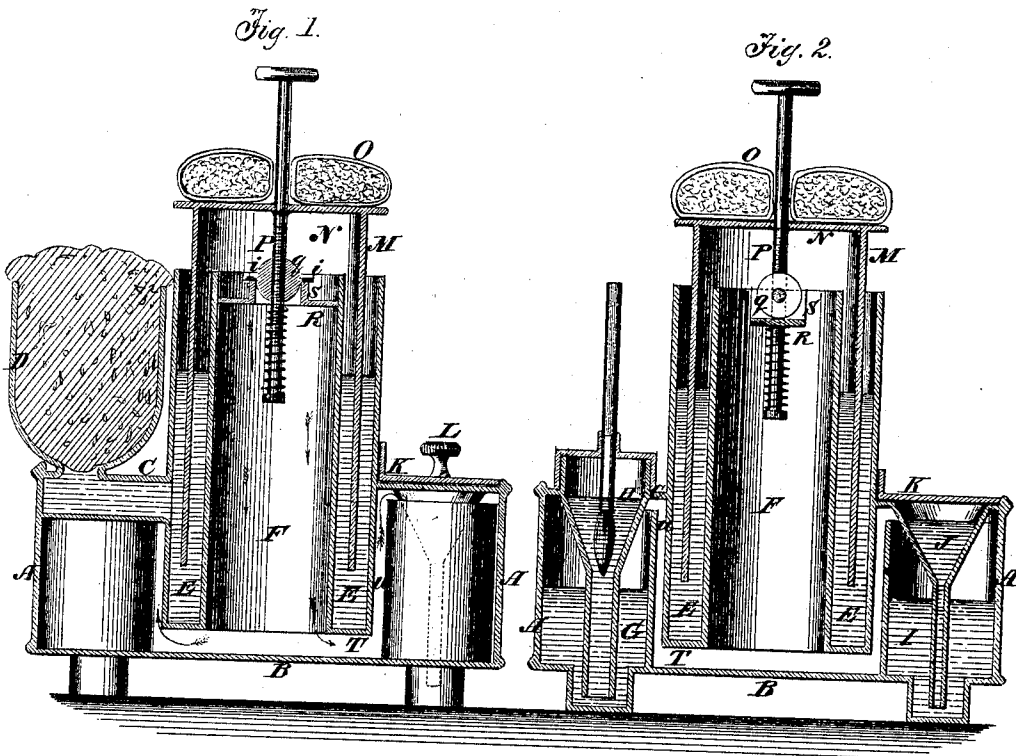


S. C. CATLIN.
INKSTAND.

No. 114,262

Patented May 2, 1871.



Witnesses:
Hustave Dietrich
L. S. Mabee

Inventor:
S. C. Catlin
PER *Munn & Co*
Attorneys.

United States Patent Office.

SETH C. CATLIN, OF CLEVELAND, OHIO.

Letters Patent No. 114,262, dated May 2, 1871.

IMPROVEMENT IN INKSTANDS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, SETH C. CATLIN, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Combination Inkstand; 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 make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to an improved inkstand, which is so constructed that, by adjusting an air-vessel, liquid may be fed to a sponge-cup, or ink or mucilage caused to rise in its reservoir, as hereinafter described.

In the accompanying drawing—

Figure 1 represents a vertical section of a combined inkstand, mucilage, and sponge-cup and pin-cushion, taken on the line *x x* of fig. 3.

Figure 2 is a vertical section of fig. 3 on the line *y y*.

Figure 3 is a top view with a part of the air-vessel removed.

Similar letters of reference indicate corresponding parts.

A is an outer casing, of any desired size and shape, inclosing a mucilage-reservoir and cup, and one or more ink-reservoirs and cups.

B is the bottom, and

C is the top of the casing.

D is a sponge-cup, supported by the top C.

E is a water-reservoir, which extends from near the bottom B upward through the top, consisting of an annular chamber, inclosing an air-chamber, F.

The sponge-cup D communicates with the annular water-chamber E, as seen in fig. 1.

G is the mucilage-reservoir, and

H is the mucilage-cup.

I represents an ink-reservoir or fountain, (of which there may be any desired number,) and

J the ink-cup.

K is a plate, which slides on the top C, through which are orifices arranged to correspond with the ink-cup when the inkstand is in use, but which plate will slide so as to cover these cups, and thereby prevent evaporation when not in use.

L is a small knob on the sliding plate, by which the plate is operated.

M is the air-vessel, which is simply a cylinder with a closed top, N, bearing the pin-cushion O, and with a stem, P, attached rigidly thereto. There is a screw-thread on the stem below the top.

Q is a screw-nut on the stem.

R is a bar across the top of the air-chamber F, upon which there is a short slotted tube, S.

The nut *q* is provided with pins *i* upon its opposite sides, (see fig. 1,) which pins drop into the slots in S as the air-vessel is adjusted, which prevents the nut from turning round when the air-vessel is turned for increasing or diminishing the pressure of the air.

To render the air-vessel operative and impart air pressure to the liquids in the reservoirs, and thereby force the liquids into the cups for use, water or other suitable liquid is poured into the sponge-cup D, which finds its way immediately into the annular water-chamber E and packs the lower end of the air-vessel air-tight.

The air-chamber F communicates with liquid-reservoirs G and I, through the channels T U, so that the air is made to press directly upon the liquid, as seen in the drawing.

By revolving the air-vessel, and thereby raising or lowering it, the pressure of the air upon the liquids is increased or diminished as may be desired.

A new supply of air in the air-vessel can be obtained by simply raising the vessel above its water-packing.

By this arrangement all the liquid may be forced from the reservoir into the cups for use. The sponge is sure to be always wet, as the ink and mucilage cannot be used without water in the water-chamber. Every time the liquids are forced into the cup, water is forced into the sponge.

This article is to be made entirely of glass and non-corrosive metal, so that it is not liable to get out of order.

Any liquid other than water, suitable for the purpose, may be used for packing the air-chamber.

As any required number of reservoirs or fountains and cups may be employed for the various-colored fluids the advantages of this improvement must be obvious. The ink, the mucilage, and the sponge are indispensable to the writing-desk, while the pin-cushion adds greatly to the convenience of the arrangement.

Having thus described my invention,

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

1. The combination of the adjustable air-vessel M, annular chamber E, air-chamber F, reservoir I, and cup J, arranged and operating substantially as specified.

2. The combination of the sponge-cup D, annular liquid-chamber E, and air-vessel M, constructed and arranged substantially as shown and described.

Witnesses:

SETH C. CATLIN.

J. H. OLDS,

D. SHURMER.