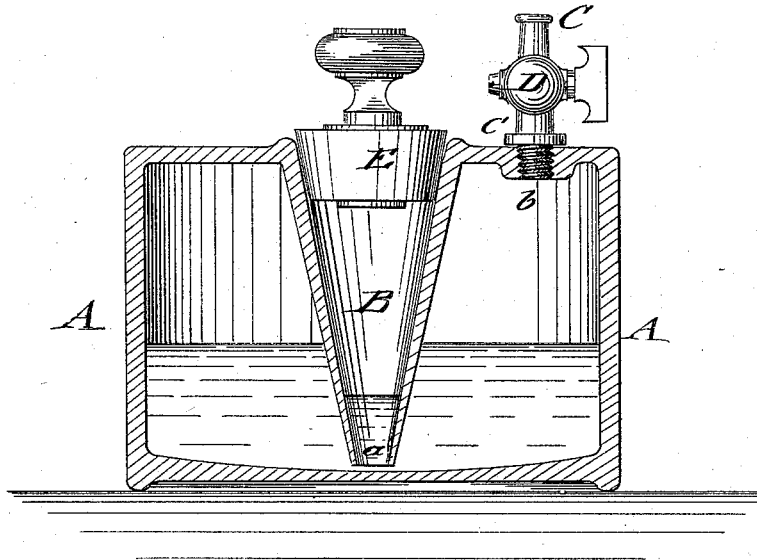


H. SCHIRMER.

INKSTAND.

No. 169,735.

Patented Nov. 9, 1875.



WITNESSES:

Chas. Nida
A. F. Terry

INVENTOR:

H. Schirmer
BY *Munroe*
ATTORNEYS.

UNITED STATES PATENT OFFICE

HERMAN SCHIRMER, OF WHEELING, WEST VIRGINIA.

IMPROVEMENT IN INKSTANDS.

Specification forming part of Letters Patent No. **169,735**, dated November 9, 1875; application filed September 17, 1875.

To all whom it may concern:

Be it known that I, HERMAN SCHIRMER, of Wheeling, in the county of Ohio and State of West Virginia, have invented a new and Improved Inkstand, of which the following is a specification:

The accompanying drawing represents a vertical central section of my improved inkstand.

My invention relates to an improved inkstand, in which the quantity of ink required for the pen may be easily regulated in a very simple manner, and the ink protected against deterioration by dust or otherwise. The invention consists of an ink-vessel with inverted conical tube extending nearly to the bottom of the vessel, and having an orifice at the lower end in connection with an air-regulating device by which the height of the ink in the tube is regulated.

In the drawing, A represents an ink-vessel of any suitable size and material, which is blown or otherwise manufactured with a downward-extending round or polygonal part B, that tapers in the shape of an inverted pyramid or cone toward the bottom of the vessel A. The ink enters from the vessel into the open part B by a bottom orifice, *a*, and tends to assume in the same the level of the ink in the surrounding vessel. For the purpose of adjusting the quantity of ink in the conical part B to suitable height, so as to supply the pen in uniform manner independent of the greater or lesser quantity of ink in the vessel, a vent-orifice, *b*, with a tube, C, and stop-cock D, is provided, which, on opening the stop-cock, admits the control of the ink by

reducing or increasing the air-pressure in the vessel by the mouth or otherwise, closing the stop-cock at the instant when the ink in the conical part has fallen or risen to the required point. The stop-cock allows the regulation of the ink in the conical part without any difficulty. A small air-pump or equivalent device may be employed in place of the forcing pressure exerted by the mouth, but for simplicity the air-tube and stop-cock will be sufficient. A stopper, E, may be used to close the mouth of the conical part, the same being preferably weighted at the top or button part to hold the cork part up when placing the stopper on the table to prevent the soiling of the same.

I am aware that inkstands with conical mouths and vent-orifices have been made, but without means by which the ink could be regulated in the conical parts, so that these inkstands provided at one time too much, at other times too little, ink, according as the level of the ink in the vessel varied, being therefore very annoying in use.

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

The combination, with an ink-vessel having tapering part open at top and bottom, of an air tube and stop-cock attached to the vessel for introducing or withdrawing the required quantity of air to regulate the height of the ink in the tapering part.

HERMAN SCHIRMER.

Witnesses:

ROBT. B. WOODS,
J. H. GOOD.