W. HUNT, Ass'or to

A. T. Arrowsmith,

Inkstand.

No. 4221. Patented Oct 7. 1845.

Fig 2.

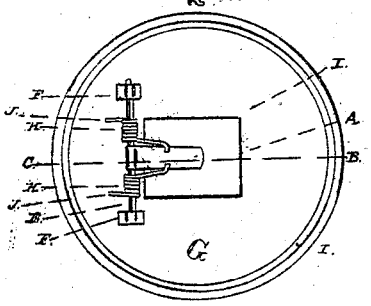


Fig 3.

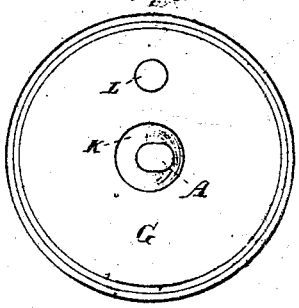


Fig 1.

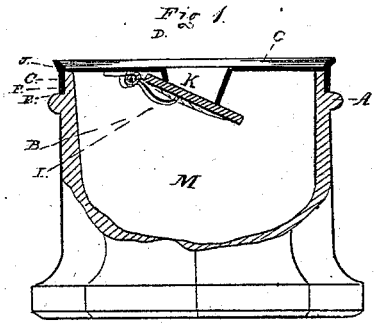
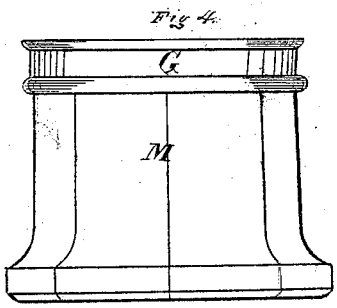


Fig 4.



UNITED STATES PATENT OFFICE.

WALTER HUNT, OF NEW YORK, N. Y., ASSIGNOR TO AUGS. T. ARROWSMITH.

INKSTAND.

Specification of Letters Patent No. 4,221, dated October 7, 1845.

To all whom it may concern:

Be it known that I, WALTER HUNT, of the city, county, and State of New York, have made certain Improvements in the Construction of Inkstands, which I term the "Inclined-Valve Inkstand"; and I do hereby declare that the following is a full and accurate description of my said improvement.

The nature of my invention consists in the application of an inclined valve or clapper A. See the vertical cut section in the annexed drawings, Figure 1. Said clapper is made of plate glass, (or other material with a hard smooth surface) with a bracket hinge B, made of copper or silver plate, cemented upon its under surface. Said bracket projects partially beyond one of its sides, and is formed into a thimble C from which the plate is bent back to, and is clamped over the edge of the upper surface of said clapper, as shown at D. Through the said thimble C, is inserted a corresponding wire E, with its ends projecting say $\frac{3}{8}$ of an inch. These ends are let up into gaps cut into two studs F, F, which are cast entire with the inkstand top G. Before being secured in this position, there are two coiled silver wire springs H, H, placed on each end of said hinge wire E; said springs being wound right and left, the two ends of the wire nearest the bracket are projected forward, and bear upon the under surface of said bracket about the center of said clapper A, at I, I, while the outer back ends of said springs project back about $\frac{1}{4}$ of an inch, and bear upward upon the under surface of the top G at J, J. The ends of said hinge wire being now let up into the gaps aforesaid, are there secured by closing the chaps of said studs together, by means of pinchers or otherwise. By means of said coiled springs it will be seen that the valve A, is forced upward against the bottom of the ink-tube K, which is in the form of a funnel or cone, cut at an angle of 45° which cut section forms a seat for the said clapper, it being closely fitted upon the same, as shown in said Fig. 1. (See letters of reference, which designate similar parts in all the drawings.)

Fig. 2 exhibits a horizontal, bottom view of said inkstand top G, with the valve or clapper A, bracket B, thimble C, hinge wire E, studs F, F, coiled springs H, H, the bearing ends of the same I, I, and back ends of the same J, J.

Fig. 3 gives a top horizontal view of said top G, and of the ink tube K, a partial view of the clapper A, and the plug tube L, into which is fitted a cork or other stopper to be removed for cleansing the inkstand, &c.

Fig. 4 shows an elevated view of the inkstand, with the top G, and reservoir M, as ready for use.

The objects gained by the above arrangement are, the exclusion of the atmosphere from the ink, and security from spilling the same in the upsetting of the inkstand, and also of cleaning the point of the pen on the edge of the valve, which is an inevitable result at each time the pen is inserted or withdrawn in using.

What I claim as my invention in the above described improvement, and desire to secure by Letters Patent, is—

The application of an inclined valve or clapper A, having a surface of glass or other hard, smooth material, in combination with said inclined valve; and ink tube which valve is forced upward by means of springs or otherwise upon the bottom of the ink tube K, and arranged substantially in the manner and for the purposes above set forth and described.

Dated New York, Sep., 1845.

WALTER HUNT.

Witnesses:

T. JAMES GLOVER,

A. T. ARROWSMITH.