(No Model.)

M. H. GARLAND.

INKSTAND.

No. 382,698. Patented May 15, 1888.

Fig. 1.

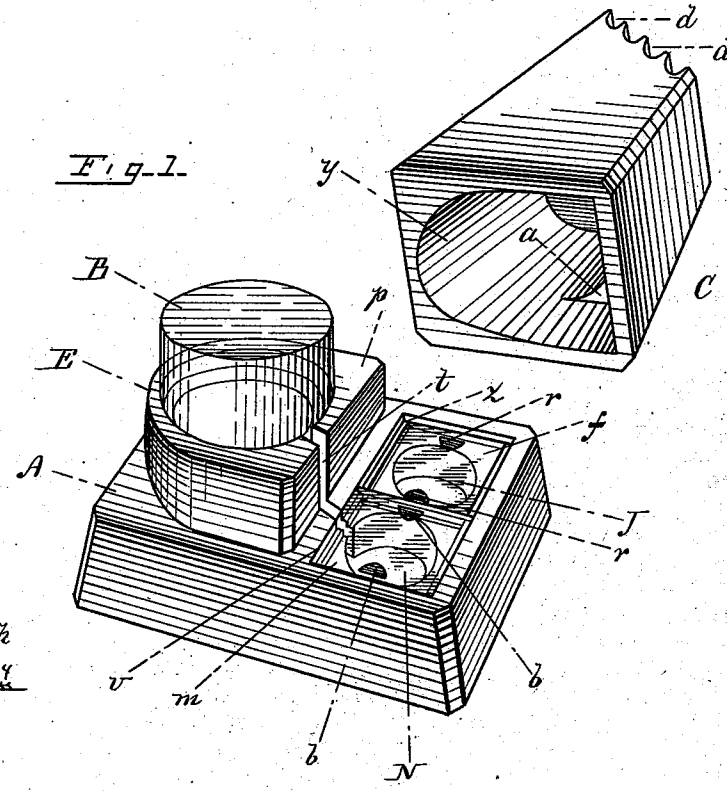
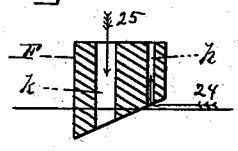


Fig. 4.



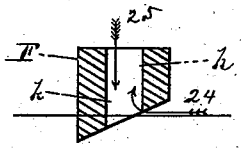


Fig. 5.

Fig. 2.

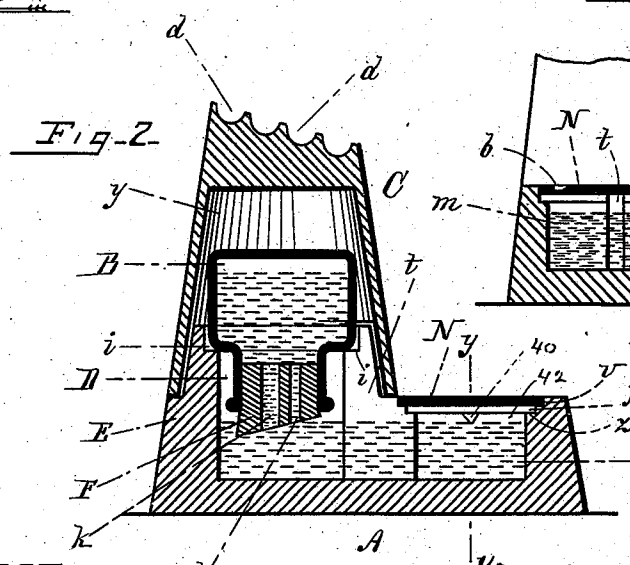
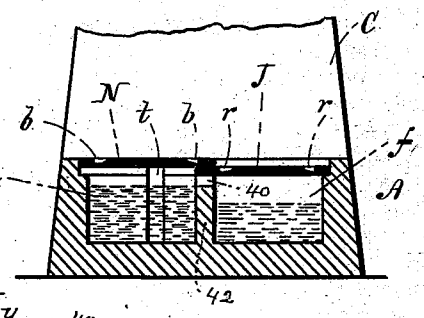


Fig. 3.



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UNITED STATES PATENT OFFICE.

MILTON H. GARLAND, OF SOMERVILLE, MASSACHUSETTS.

INKSTAND.

SPECIFICATION forming part of Letters Patent No. 382,698, dated May 15, 1888.

Application filed February 23, 1888. Serial No. 264,916. (No model.)

To all whom it may concern:

Be it known that I, MILTON H. GARLAND, of Somerville, in the county of Middlesex, State of Massachusetts, have invented a certain new and useful Improvement in Inkstands, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an isometrical perspective view of my improved inkstand with the cover removed; Fig. 2, an irregular vertical longitudinal section of the same with the cover in position, the section-line passing through the center of the channel; Fig. 3, a vertical transverse section taken on the line *y y* in Fig. 2, a portion of the cover being shown in side elevation; and Figs. 4 and 5, views showing certain details of construction.

Like letters and figures of reference indicate corresponding parts in the different figures of the drawings.

My invention relates to that class of inkstands known as "fountain-inkstands;" and it consists in the novel features hereinafter fully set forth and claimed, the object being to produce a simpler, cheaper, and more effective device of this character than is now in ordinary use.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation:

In the drawings, A represents the body of the inkstand, B the fountain, and C the cover. The body is preferably rectangular in shape, and is provided at the rear with a well, D, around which there is a curb, E, and at the front with two reservoirs, *m f*, the reservoir *m* being connected with said well by a slot or opening, *t*, which extends from the top to the bottom of the curb E and through the intervening portion of the body, and the reservoir *m* with the reservoir *f* by the slot 40 at the top of the partition-wall 42.

The fountain B is preferably composed of glass, and is provided with a stopple, F, having a duct, *k*, and vent-hole *h*, the duct being the larger. It is also inclined at its outer end, as shown in Figs. 2, 4, and 5, the mouth of the vent-hole being higher when the fountain is in position for use than the mouth of the duct, as best seen in Fig. 2.

The object of the vent-hole *h* is to admit air to the interior of the fountain, and thereby permit the ink to pass therefrom through the duct *k*. These openings may, however, be combined in one, as shown in Fig. 5, the air passing in as indicated by the arrow 24 and the ink passing out as indicated by the arrow 25.

The stopple F may be formed integral with the body of the fountain, if preferred. The fountain may also be provided with a filling-opening which is independent of the openings *k h*, if desired.

A ledge or shoulder, *i*, is formed near the top of the curb E, on which the fountain rests when in use. Two ledges or shoulders, *v z*, are also formed in the body A above the reservoirs *m f*, the ledge *v* being higher than *z*.

A glass cover, J, provided with notches *r*, is fitted to slide on the lower ledges, *z*, and a like cover, N, provided with notches *b*, is fitted to slide on the upper ledges, *v*, the cover N being adapted to pass over the cover J, and vice versa.

The cover C is provided with a cavity, *y*, adapted to receive the curb E and fountain B, and with a shoulder or ledge, *a*, on its interior adapted to come in contact with the front portion, *p*, of the curb E when said cover is tipped forward accidentally, and thereby prevent it from being upset. The cover is also inclined toward the front on top and provided with a series of transverse grooves, *d*, for receiving the pen-holders.

In the use of my improvement the fountain B is filled with ink and then quickly inverted in the well D, where it rests on the ledge *i*, and when sufficient ink has been used from the reservoir *m* to lower the ink in the well D below the mouth of the vent-hole *h* air will enter said hole and permit the ink in the fountain to run out through the duct *k* until the ink in the well rises above the mouth of said hole, when the flow will cease, to be renewed again when the ink is again lowered below the vent-hole, and so on until all the ink in the fountain is exhausted.

I have found that when the stopple F is provided with a duct and vent-hole the mouths

or outer openings of which are on different planes the flow of ink from the fountain will be far less pulsatory or uneven, and hence more perfect for this purpose than when but one is employed; also, that when but one duct is employed, if its mouth is inclined, as shown in Fig. 5, substantially the same results will be attained.

The reservoir *f* is not connected with the reservoir *m* excepting by the slot 40, and is designed as an overflow for the reservoir *m*. Any other suitable covers may be employed for said reservoirs, if preferred.

The body A and curb E are integral or formed in one piece, and may be composed of glass, rubber, porcelain, or any other suitable material. All parts of the cover C are also integral, and it is preferably composed of the same material as the body A.

Having thus explained my invention, what I claim is—

1. In an inkstand of the character described, the body A, having the curb E, well D, reservoir *m*, and slot *t*, in combination with a fountain, as B, provided with a duct for the ink and a vent-hole for air, substantially as set forth.

2. In an inkstand of the character described, the cover C, having the grooves *d* and provided with the shoulder *a*, adapted to engage the corners *p* of the curb E, and thereby prevent said cover from being accidentally upset, in combination with the body A and fountain B, substantially as specified.

3. The improved inkstand herein described, the same consisting of the body A, having the curb E, well D, reservoirs *m f*, slots *t* 40, and ledges *i v z*, the cover C, provided with the cavity *y*, shoulder *a*, and grooves *d*, the cover J, fitted to slide on the ledge *z*, the cover N, fitted to slide on the ledge *b*, and the fountain B, provided with the stopple F, having the ducts *k h*, all being constructed, combined, and arranged to operate substantially as set forth.

4. In an inkstand of the character described, a fountain adapted to be inverted and supported in the well thereof, said fountain being provided with an opening through which air may enter the body of the fountain and an opening through which the ink may pass from the body of the fountain, the mouth of the air-opening being higher than the mouth of ink-opening when the fountain is inverted and in position for use in the inkstand, substantially as set forth.

5. In an inkstand of the character described, the body A, having the well D, and an overflow-reservoir *f*, separated from the main reservoir *m* by the partition 42, said partition being provided with the slot 40, in combination with the fountain B, supported in an inverted position in said well and provided with an ink-duct and vent-hole, substantially as set forth.

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Witnesses:
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