

E. DAVIS.
INKSTAND CONSTRUCTION.
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Patented Dec. 3, 1912.

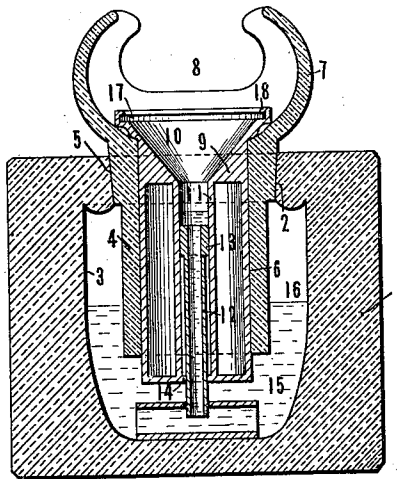
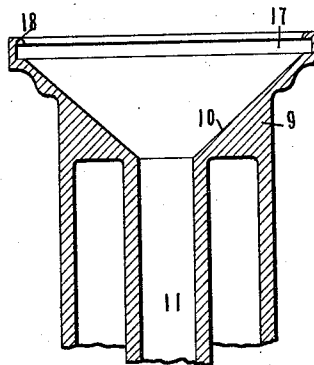


Fig. 1.

Fig. 2.



WITNESSES:

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INKSTAND CONSTRUCTION.

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To all whom it may concern:

Be it known that I, EMRY DAVIS, a citizen of the United States, residing at New York, in the county of Kings and State of New York, have invented certain new and useful Improvements in Inkstand Construction, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to inkstands and the like.

One of the objects thereof is to provide a plunger inkstand simple in construction and convenient in use.

Another object is to provide in devices of the above type, simple and convenient means whereby, should the pressure of the air within the reservoir become weakened, one may manipulate the plunger to replenish the same without soiling the fingers.

Other objects will be in part obvious and in part pointed out hereinafter.

The invention accordingly consists in the features of construction, combinations of elements and arrangement of parts which will be exemplified in the construction hereinafter set forth, and the scope of the application of which will be indicated in the following claims.

In the accompanying drawings wherein is shown one of various possible embodiments of this invention, Figure 1 is a sectional elevation thereof; Fig. 2 is an enlarged sectional elevation of the upper part of the plunger.

Similar reference characters refer to similar parts throughout the several views of the drawings.

In order that this invention may be more readily understood, it may here be noted that after an inkstand of this type has been out of use for a time the pressure of the air within the reservoir may become weakened so that the level of the ink falls within the plunger and to again render the ink accessible, the plunger should be raised. In former constructions this is accomplished by gripping the top of the plunger between the thumb and fingers, which results in soiling those members, and is otherwise inconvenient. To overcome this difficulty, this invention provides means whereby the plunger may be quickly and conveniently raised without any part of the hand coming in contact with inky portions of the stand.

Referring now to the accompanying drawings, there is shown a reservoir 1 having an opening 2 at its upper end of less diameter than the interior 3 of the reservoir. Within the opening 2 is secured a sleeve 4, as by the ground taper 'fit shown at 5, which is provided with a smooth inner cylindrical surface 6. Formed upon the sleeve 4, at the upper end thereof, is a dome 7 having an opening which extends transversely across the same and down upon the sides, as is clearly shown at 8 in the drawings. A plunger 9 is slidably fitted within the cylindrical surface 6 and provided with a flaring mouth 10 from which a tubular passage 11 extends downwardly through the plunger and an air space is provided between the walls of said passage and the outer wall of the plunger to give the requisite buoyancy thereto. The upright arm of a T-shaped tube 12 is positioned so as to reciprocate within the passage 11 and is provided at its upper end with a shoulder 13 adapted to coact with the shoulder 14, formed at the lower end of said passage, and limit the relative movement of these parts. In use, the ink, shown at 15 within the reservoir 1, normally stands at a somewhat higher level within the central passage 11 of the plunger, due to its displacement by this part. The slight preponderance of air pressure within the space 16 above the ink level in the reservoir may be replenished at will by merely raising the plunger, whereupon the air which is to compensate for its decreased displacement passes downwardly through the tube 12 and is discharged outside of the walls of the sleeve 4 and rises above the surface of the ink. Upon releasing the plunger, the level in the plunger may be brought to and maintained at any desired point, and the means for lifting the plunger, which will now be described, comprises an important feature of the present invention. To this end an annular groove 17 is formed in the inner wall of the plunger, adjacent the top thereof, and that portion of said inner wall located above the groove constitutes an inwardly projecting annular flange 18. When it is desired to lift the plunger, the point of a pen may be inserted beneath the flange 18 and by a slight upward pressure the plunger may be readily raised sufficiently to give the desired results. It is to be noted that the shape of the opening 8 in the dome 7 is such as to

permit the ready insertion of the pen either in a lateral or vertical direction, thus making it a simple matter to engage the flange 18 therewith. The dome 7 is of such proportions as to allow the plunger to be maintained at any desired height but yet to prevent the same from being accidentally depressed by any object inadvertently laid upon the inkstand.

- 10 It will, therefore, be noted that this invention, as disclosed in the above described embodiment thereof, is one well adapted to attain all of the ends and objects hereinbefore set forth in an exceedingly simple and practical manner and that structurally considered it is characterized by its notable simplicity and low cost of manufacture.

As many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense. It is also to be understood that the language used in the following claims is intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which, as a matter of language, might be said to fall therebetween.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In inkstand construction, in combination with a reservoir, a plunger adapted to reciprocate therein, means laterally sur-

rounding said plunger preventing access to the exterior surface of the latter in certain positions thereof, and abutment means interiorly of said plunger for enabling the plunger to be lifted upon pressure being applied therebelow.

2. In inkstand construction, in combination with a reservoir, means surrounding said plunger preventing access to the exterior surface of the latter in certain positions thereof, and a recess formed within said plunger providing a surface adapted to be engaged by a pen inserted from above said surrounding means for raising said plunger.

3. In inkstand construction, in combination with a reservoir, a plunger adapted to reciprocate therein, rigid means surrounding said plunger and extending above the plane of the top thereof, and a recess formed interiorly of said plunger providing a surface adapted to be engaged by a pen inserted from above said rigid means for raising said plunger in said reservoir.

4. In inkstand construction, in combination with a reservoir, a plunger adapted to reciprocate therein, protective means preventing access to the exterior surface of said plunger in certain positions of the latter, and abutment means interiorly of said plunger for enabling the plunger to be lifted upon pressure being applied therebelow.

In testimony whereof I affix my signature, in the presence of two witnesses.

EMRY DAVIS.

Witnesses:

H. M. SEAMANS,
LEONARD H. WATSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."