

UNITED STATES PATENT OFFICE.

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INKSTAND CONSTRUCTION.

No. 850,468.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EMRY DAVIS, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Inkstand Constructions, 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 an ink-conserving device of simple construction and efficient action.

Another object is to provide a device of the above type adapted for the most convenient use and yet proof against spurting or overflowing in the event of an object being laid thereupon.

Another object is to provide a protective device adapted to be fitted upon stands of diverse character and to do away with the above defects.

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 embodiment herein-after described and the scope of the application of which will be indicated in the following claims.

In the accompanying drawings, wherein are shown one or more of various possible embodiments of the several features of my invention, Figure 1 is a sectional elevation thereof. Fig. 2 is a plan of a cap or shield shown in Fig. 1. Fig. 3 is a plan of a slightly-different type of shield. Fig. 4 is a perspective view of the shield shown in Fig. 2.

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

This invention will be most readily grasped if the following facts are borne in mind. Inkstands if placed in position and condition for convenient use are likely to be struck or to have an object laid thereupon with a likelihood of scattering or spilling the ink. This is especially true in the case of the broadly-used modern type of stand in which a relatively movable plunger is embodied. This invention has for a dominant aim the elimination of the above and other defects without diminishing but rather increasing the general efficiency of the device.

Referring now to the accompanying drawings, there is shown a reservoir 1, having tightly fitted therein a collar 2. Within collar 2 is secured a sleeve 3, as by the taper fit shown at 4, which is provided with a smooth inner cylindrical surface. A plunger 5 is slidably fitted within this surface and provided with a flaring mouth 6 of the well-known form. It may here be noted that the term "plunger" is used throughout this specification and the following claims in a broad sense as denoting any relatively movable portion of an inkstand adapted to perform any of the functions of the part so termed in connection with this embodiment.

Plunger or float 5, which is bored out as shown at 7, to permit the entry of air is provided in its central passage with the upright arm of a T-shaped tube 8, the lateral portions of which extend beyond the walls of the sleeve 3, as shown in the drawings. Tube 8, which is adapted to reciprocate within the plunger 5, is provided at its upper end with a shoulder 9, adapted to coact with a shoulder 10, formed in the inner surface of the plunger, and limit the relative movement of these parts.

The above-described construction does not inherently embody this invention, as it is merely that of an inkstand of the widely-known Davis type, the method of use of which needs merely to be outlined. The ink, which is within the reservoir 1, as shown at 11, stands normally at a somewhat higher level within the central passage of plunger 5, due to its displacement by this part. The slight preponderance of air-pressure within the space 12 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 8 and is discharged outside of the walls of sleeve 3 and rises above the level of the ink. The level in the plunger may thus be maintained at any desired point by the simple manipulation thereof.

Turning now to the elements of construction, which embody more directly certain features of this invention, there is shown a cap 13, which may be stamped out of sheet metal. This cap is provided with an opening 14, which in the preferred embodiment of my invention extends transversely across the same and down upon the sides to permit the ready insertion of the pen either in a

lateral or vertical direction and to permit also the raising of the plunger 5. Cap 13 is of such proportions as to allow the plunger to be maintained at any desired height and yet to protect the same in such manner as upon a heavy object, as a book, being laid or even dropped upon the stand the position of the plunger will not be changed and no ink will be spurted out, as might otherwise be the case. This cap is preferably of a detachable type, so as to form with respect to certain features of this invention a separate article of manufacture which may be mounted upon inkstands of various character now in use. In the preferred construction shown, however, it is fitted about the upper shoulder of sleeve 3 and rests upon the collar 2.

The method of use of the above-described embodiment of my invention should be largely obvious from the above description, and it will be noted that there is therein provided a device which achieves the several objects above set forth and in which the above-enumerated advantages inhere. It will also be apparent that the ink as well as the plunger are readily accessible and that the efficient use of the stand is in no wise impeded. Another advantageous feature resides in the simplicity of the construction in which the invention is embodied and its low cost of manufacture.

In Fig. 3 of the drawings is shown a shield 15, which is cut down upon one side only by the opening 16, thus protecting somewhat more fully the parts beneath and yet permitting ready access in a lateral direction, which is clearly the most efficient method of dipping the pen.

As many changes could be made in the above construction and many apparently widely different embodiments of my invention could be made without departing from the scope thereof I intend 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.

I desire it 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 inven-

tion 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, a plunger and rigid means provided with an opening below the plane of its uppermost portions and extending above the plane of the top of the plunger.

2. In inkstand construction, in combination, a plunger and rigid detachable means provided with an opening below the plane of its uppermost portions and extending above the plane of the top of the plunger.

3. In inkstand construction, in combination, a plunger and rigid means extending above the plane of the top of the plunger and provided with a lateral opening leading thereto.

4. In inkstand construction, in combination, a plunger and rigid detachable means extending above the plane of the top of the plunger and provided with a lateral opening leading thereto.

5. In inkstand construction, in combination, a plunger and rigid means provided with an opening through the top thereof and below the plane of its uppermost portions extending above the plane of the top of the plunger.

6. As an article of manufacture, a cap adapted to be detachably mounted upon an inkstand and provided with an opening affording access thereto.

7. As an article of manufacture, a cap adapted to be detachably mounted upon an inkstand and cut away at its top and one side to afford access thereto.

8. As an article of manufacture, a cap stamped out of sheet metal adapted to be detachably mounted upon an inkstand and cut away transversely across its upper portion and down upon one side to afford access to the ink.

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

EMRY DAVIS.

Witnesses:

HELEN M. SEAMANS,
AUGUSTUS M. HENRY.