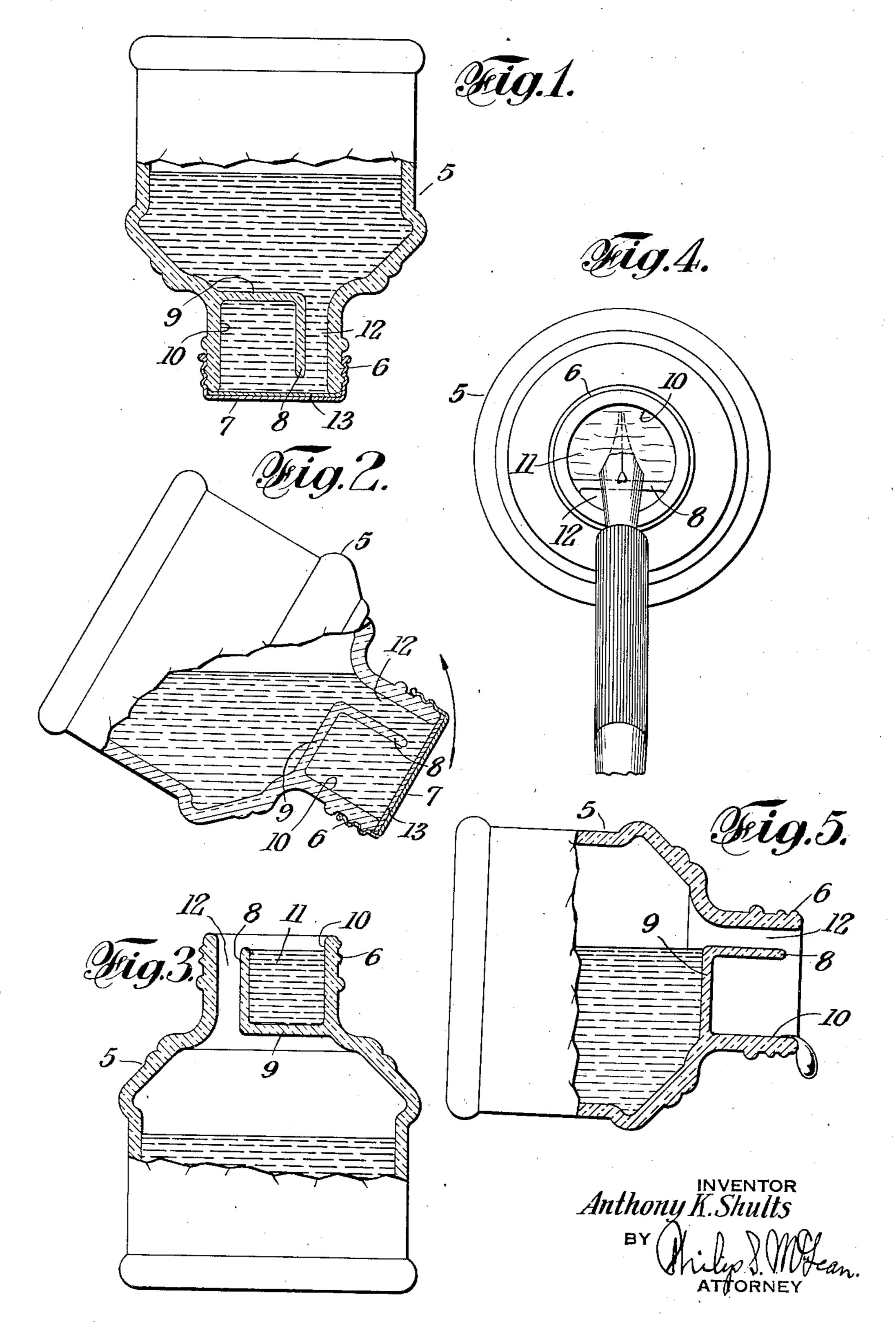
BOTTLE

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This invention relates to containers such and wiping edge for a pen dipping in the as may be classed under the broad heading well. of "bottles".

vide in a bottle construction, simple, practi- the well while holding back the balance of 55 cal and efficient means for holding a well liquid in the bottle. of the bottle contents up in readily accessi- The container 5, as here shown, is of the ble relation in the neck portion of the bottle general shape and appearance of an ordiwhere, for illustration in the case of an ink nary ink bottle and, to external appearances, bottle, it may be used as a dipping well for differs from what might be considered the a pen or as a filling well for a fountain pen; standard type of such bottles by having an to attain these results without the use of external screw rib 6 about the mouth of the moving parts or complications of any sort neck portion to take the screw cap 7. This and without increasing the bulk or modify- cap form of screw closure is important being the contour or general appearance of cause it makes a seal with the lip of the bot- 65 the bottle and to accomplish all the forego- tle neck and so does not offer any restrictions ing and other desirable objects with a struc- as to what may be contained within the botture suited to commercial production and of the neck; and further because it combines low manufacturing cost.

The objects are attained by the novel fea- bility. tures of construction, combinations and re- The bottle neck being unimpeded and un-

broadly claimed.

part of the specification illustrates one of the neck, as nearly as desired to a position the many possible commercial embodiments flush with the lip of the neck, the actual of the invention, it being realized that the top of the bottle. structure may be modified and changed to The well is formed in the present illustrameet particular requirements or conditions, tion by simply two walls which may be and all within the true intent and broad scope of in most cases preferably are integral with 80 the invention.

lustrating the invention as embodied in an partition, that is vertical in the upright po-"ink bottle" type of container and showing sition of the bottle, extending as a chord the bottle inverted in closed condition to fill across the inside of the neck and the sec- 85 the dripping well which is formed in the ond, a segmental and normally horizontal mouth of the bottle.

trapping the liquid in the well.

showing the bottle as turned back to the upright position and with the cover removed These joined partitions or wall portions 8 to expose the dipping well where it stands and 9 in conjunction with the opposed filled and ready for use up in the top of the arcuate wall portion 10 thus form a chamber 95 bottle neck.

the dipping well and showing how the up- fore of a convenient form for dipping in right partition which forms a dam across the a pen over the upright wall or dam porneck of the bottle, may be used as a guide tion 8. In such use, this wall may be uti-

Fig. 5 is a broken sectional view illus-Special objects of the invention are to pro- trating the action in pouring the contents of

both efficient sealing and easy, quick remova-

lations of parts hereinafter described and obstructed by the cover structure, makes it possible to locate the dipping or filling well The drawing accompanying and forming as it may be termed, right up in the top of

the neck itself. These wall portions are des-Fig. 1 is a broken part sectional view il- ignated 8 and 9, the first being a vertical partition extending from the foot of the Fig. 2 is a similar view illustrating the vertical partition laterally to the adjoining bottle as being turned back in the act of side wall of the bottle, in this instance approximately at the base of the neck, or 90 Fig. 3 also is a part sectional view, but juncture of the neck and enlarged body portions of the bottle.

or compartment 11 of a general crescent Fig. 4 is a plan view illustrating use of shape as viewed in plan, Fig. 4 and there-

lized as a guide for the pen and as a wiping The invention is of particular utility for edge for cleaning the pen and removing ink bottles used in travelling, where it is excess ink.

determined by the location of the vertical removable and where it is especially conpartition transversely of the neck and the venient to be able to have when desired a position of the horizontal partition verti- small supply of ink in readily accessible metrical plane to give the chamber a form in be utilized if desired for measuring purposes fountain pen filling purposes. Such con- as to be readily molded or otherwise incoris constructed.

25 tight sealing purposes, may carry within it narily it may be preferable to form the two

lip of the bottle neck.

the cap tightly closed, the well in this in- able to many different uses. verted relation is filled with liquid and the the pen.

neck to increase this holding back effect as much as considered necessary or desirable.

necessary that a tight seal be assured and The size and capacity of the well may be the cover should at the same time be easily cally of the bottle. Usually the vertical position for dipping in a writing pen or for partition is located to one side of the dia-filling a fountain pen. The invention may excess of the semi-cylindrical, as in Fig. 4 or the like, the well structure making it posand the horizontal partition is located sub-sible to separate by each reversal process a stantially at the base of the neck to give the measured amount from the bulk quantity in well a depth suitable for pen dipping or for the bottle. The structure is of such form struction gives a relatively narrow segmental porated in the bottle in commercial manupassage 12 from the interior of the bottle facture and at but slight if any additional up over the lip of the vertical partition wall expense. The construction actually reinsufficient for pouring purposes and this is a forces the bottle and thus may in some inform which can be readily molded in the stances enable the use of less material and 85 glass or other material of which the bottle hence effect certain savings in cost of construction. The use of the invention need not The cap, like the bottle, may be con-change the external appearance of the bottle structed of any desirable material and, for or add to its weight or bulk. While ordia compressible gasket or washer 13 of mate-extra walls of the well as integral with the rial suitable for proper engagement with the bottle neck, it should be understood that these may be set in with separate parts or The method of filling the well will be that the well may be made up as a sepa-³⁰ understood from Figs. 1 and 2, the first rate special unit of metal or the like seated showing that by upending the bottle with in the bottle neck. The invention is adapt-

What is claimed is: second view showing how if the bottle is An ink bottle having a circular neck porthen rotated left-handedly, with the passage tion open at the top the full internal diam-12 and partition 8 toward the top, the eter of the neck and having a lip at the rim liquid in the well will be trapped behind of said full-open top portion for sealing such partition and be so confined, in the engagement by an overstanding cap, a parupright of the bottle, Fig. 3. The partition tition wall extending, in the upright posi-8 need not and usually does not extend fully—tion of the bottle, substantially vertically 105 to the top of the bottle. This locates the across the interior of the bottle neck, behighest possible level of the liquid in the low the full-open rim of the neck and dividdipping well below the rim of the bottle ing that portion of the interior of the neck neck, a distance determined by the height below the rim into segmental spaces, one of the partition. Thus the well of liquid defined by a segmental portion of the interis protected by the surrounding rim and nal wall of the neck and the opposing paraccidental splashing over is guarded against. tition wall and clear and unobstructed to At the same time the well is so near the form a segmental pouring passage between absolute top of the bottle that a pen or the the interior and the exterior of the bottle like may be readily dipped therein without and located in one side of the bottle neck getting any ink on the handle portion of with part of the wall of the bottle neck forming a trough-like pouring spout, a gen-The contents of the well may be readily erally horizontally extending and imperfo-poured without emptying the bottle by rate wall connected with the lower end of simply turning the bottle right-handedly the generally vertical partition and projectfrom the Fig. 3 to the Fig. 5 position so as ing therefrom away from said pouring pasto spill the liquid out of the well before the sage of the neck toward that segmental porliquid in the bottle can flow out through the tion of the neck opposite thereto, there bepassage 12 which at such time is at the top. ing a wall portion in the bottle neck con-The normally horizontal portion 9 which nected with said generally horizontally exthen serves as a dam holding back the con-tending wall, forming in conjunction theretents of the bottle, may be extended over with and with the partition wall, a raised quite close to the opposing wall of the bottle well located within the bottle neck and entirely below the rim of the neck and protected by the surrounding rim of the neck 130

above the same, with the upper edge of the partition providing a fully accessible pen wiping edge below and guarded by the surrounding rim of the bottle neck and a tight fitting circular cap removably secured in sealing engagement over the lip of the bottle neck, said cap having direct connection with the bottle structure and without obstructing either the well in the one side of the bottle neck or the straight through pouring passage in the other side of the bottle neck.

In testimony whereof I affix my signature.

ANTHONY K. SHULTS.

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