D. HARDIE.

INK WELL.

APPLICATION FILED JUNE 2, 1910.

1,029,752. Patented June 18, 1912.

Fig. 1.

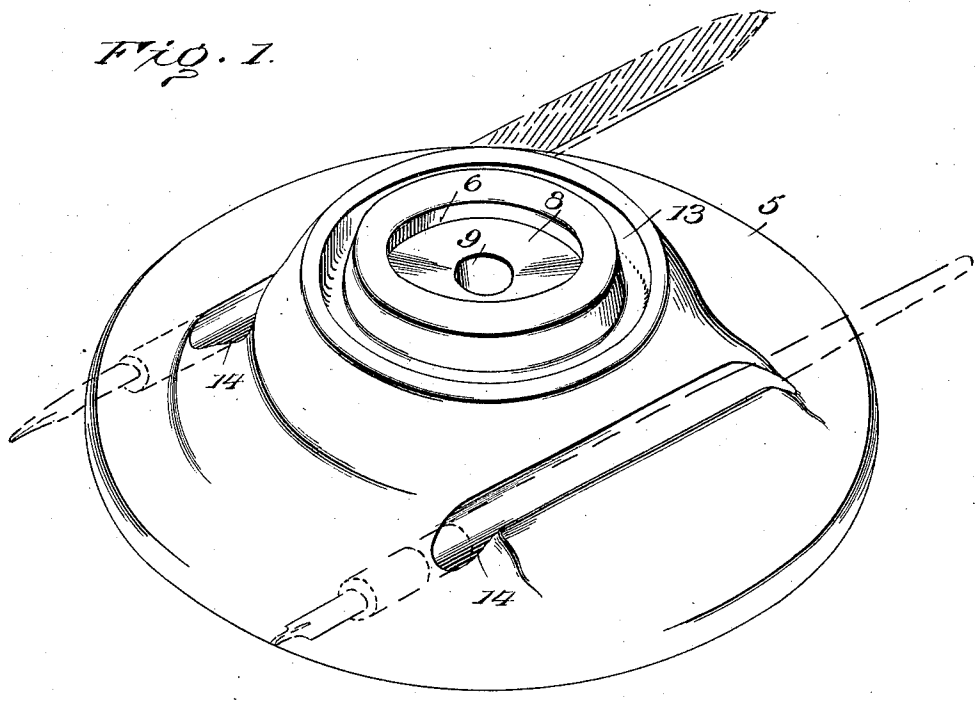
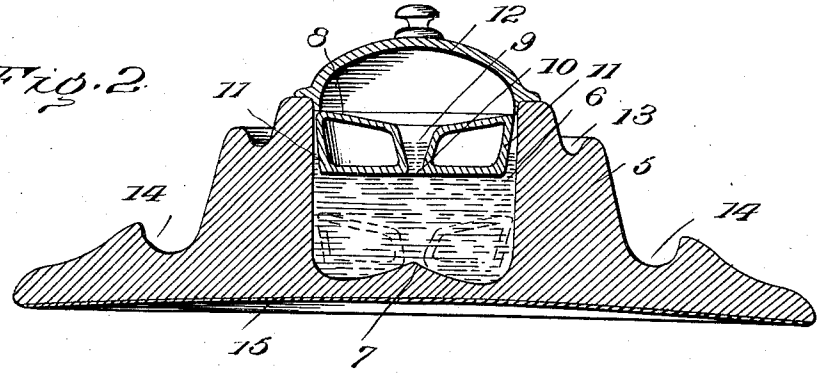


Fig. 2.



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INK-WELL.

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To all whom it may concern:

Be it known that I, DAVID HARDIE, subject of the King of England, residing at Edmonton, Alberta, Canada, have invented certain new and useful Improvements in Ink-Wells, of which the following is a specification.

This invention relates to ink wells and has for its object the provision of a comparatively simple and inexpensive device of this character, the construction of which is such that only a minimum amount of ink is exposed to evaporation when the lid or cover is removed.

A further object is to provide an ink well including a float having an opening formed therein communicating with the ink reservoir and through which the ink is removed, as desired.

A further object is to prevent binding or wedging action between the walls of the float and reservoir when the ink well is supported on an inclined surface.

A further object is to form a hump or projection on the bottom of the ink reservoir which contacts with the float when the ink falls below a predetermined level in the reservoir, thereby to close the opening in the float.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability, and efficiency.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claim.

For a full understanding of the invention and the merits thereof, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of an ink well constructed in accordance with my invention; Fig. 2 is a vertical sectional view of the same, showing in dotted lines, the float in lowered position.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The improved ink well forming the subject matter of the present invention comprises a supporting base or stand 5 preferably circular in shape and formed of glass, metal or other suitable material, said stand being provided with a centrally disposed ink reservoir 6, the bottom of which is formed with a hump or projection 7. Disposed within the ink reservoir 6 is a hollow float 8, preferably formed of glass, so as to resist the deleterious action of the ink in said reservoir. The float 8 is provided with a centrally disposed opening 9 which communicates with the reservoir 6 and through which the ink is removed, when desired. The side walls of the opening 9 are inclined or beveled to facilitate the introduction and removal of a pen point and also to produce a contracted throat 10 at the base of the float to prevent the pen point from being shoved down too far. The exterior walls of the float 8 are preferably inclined or beveled at 11 so as to prevent binding or wedging between the float and the interior walls of the reservoir 6 when the ink well is supported on an inclined surface.

A cap or cover 12 forms a closure for the top of the reservoir, but if desired, the cover may be dispensed with. The supporting base 5 is provided with an annular groove or trough 13 adapted to receive the ink from the reservoir should the ink in said reservoir overflow. The supporting base or stand is also preferably formed with oppositely disposed transverse grooves 14 which constitute a rest or rack for pens, pencils and the like. The base of the stand is slightly concaved and in some cases a strip of felt or other yieldable material 15 is secured thereto so as to prevent scratching or marring the polished surface of a desk when the stand is placed thereon.

It will here be noted that when the ink in the reservoir falls below a predetermined level, the base of the float will contact with the hump or projection 7 so as to close the throat 10 and thus prevent the pen point from being dipped in the sediment which usually collects in the bottom of the reservoir. It will also be noted that by removing the float 8, a brush, sponge or the like may be inserted in the reservoir for the purpose of cleaning the same when necessary.

Having thus described the invention, what is claimed as new is:

An ink stand comprising a base having a cylindrical reservoir provided upon the center of its bottom with an upstanding hump, a float located in the reservoir having converging side walls and having at its center a throat with converging side walls located

vertically above the hump, the smaller end of said throat being at the bottom of the float, said float having a flat bottom and a concaved top, said float being of greatest diameter at its top and the edge of the concavity in the top terminating at the greatest diameter of the float.

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

DAVID HARDIE. [L. S.]

Witnesses:
JOHN KILLEN,
JACKSON HANLEY.