

(Model.)

DE WAYNE GREENWOOD.
INK WELL.

No. 471,511.

Patented Mar. 22, 1892.

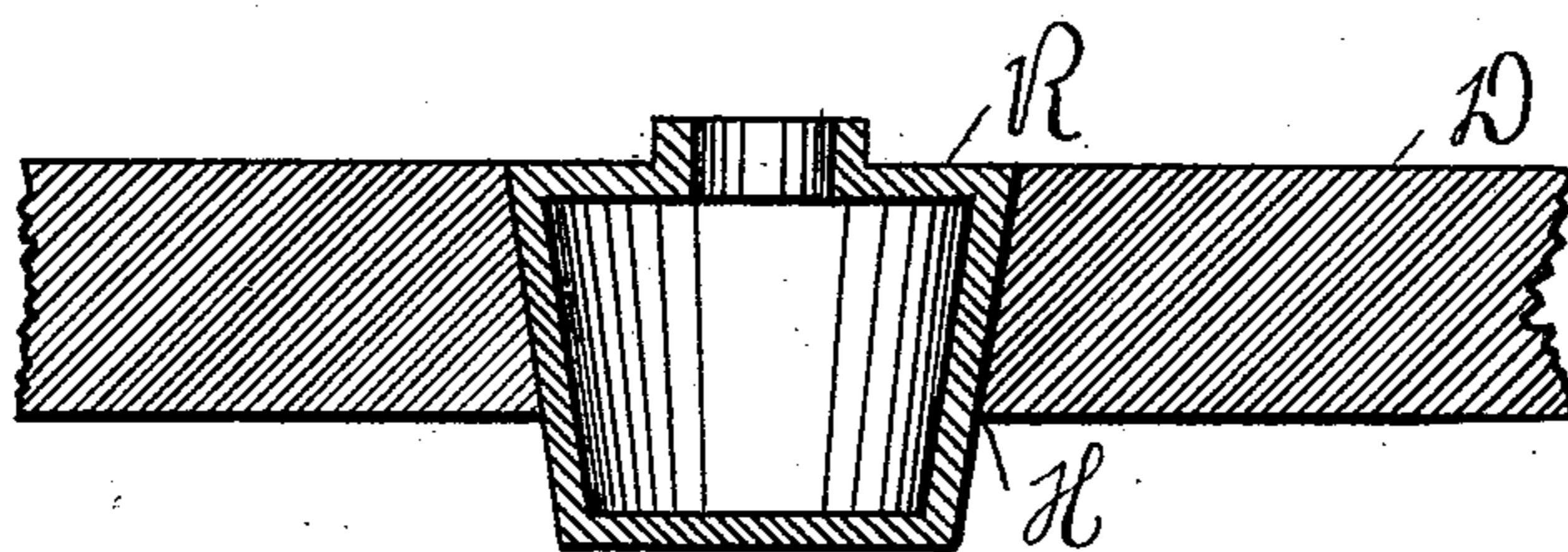


Fig - 1 -

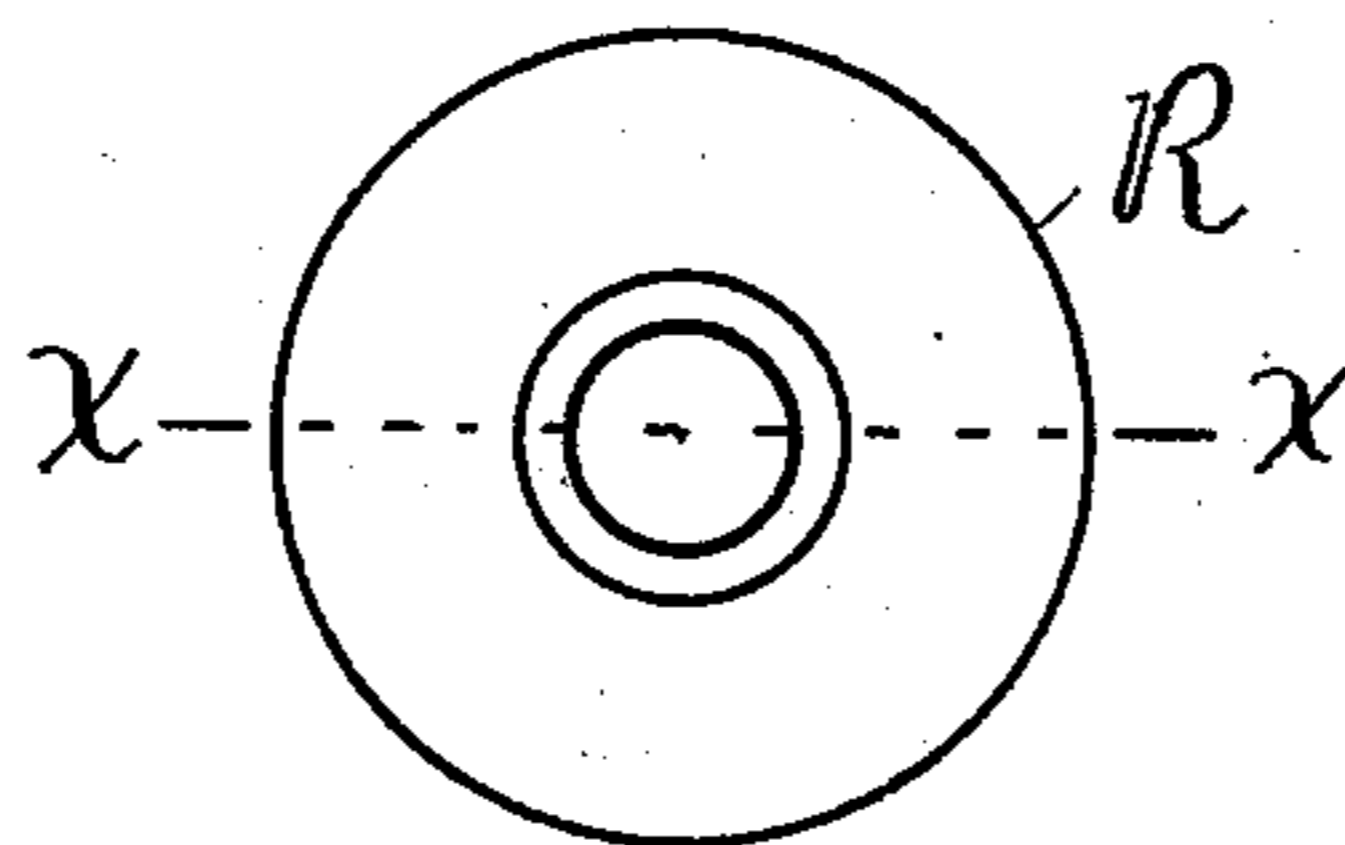


Fig - 2 -

WITNESSES:

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INK-WELL.

SPECIFICATION forming part of Letters Patent No. 471,511, dated March 22, 1892.

Application filed July 22, 1891. Serial No. 400,322. (Model.)

To all whom it may concern:

Be it known that I, DE WAYNE GREENWOOD, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Ink-Wells; and I do hereby declare the following to be a full, clear, and exact description of my invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to ink-wells for school-desks and for use in other similar situations, and its object is an economical, durable, and noiseless ink-well, which, in use, fully protects the fluid against evaporation and dust, and in which, while the reservoir is readily removable for cleaning or other purpose, it is firmly held within the material of the desk-cover with its flat top on a plane with the upper surface of the desk without nails, screws, or other fastening appliances, and in a manner that secures the reservoir from danger of becoming loosened or broken, thus presenting a combination of highly-desirable qualities that is novel in ink-well devices. I accomplish this object by the mechanism hereinafter described, and illustrated in the drawings, in which—

Figure 1 is a view of a vertical section of a portion of the desk-cover provided with my ink-well on the line $x x$ in Fig. 2, and Fig. 2 is a top view of the ink-reservoir R.

Parts are indicated by letters, and similar letters refer to similar parts in both views.

The ink-reservoir R is a suitably-sized bottle, preferably of glass, cylindrical in form, with slightly-diminishing diameter from the top downward, and having a top which is flat with a central opening for communication with the interior, the opening being surrounded by a short upward-protruding neck for a cork, or a cap lined with rubber, as may be preferred.

Through the horizontal top or table of the desk D at the point preferred for the location of the ink-well is made, vertically, the circular opening H, corresponding in diameter and downward diminution of diameter with the ink-reservoir R, and into this the ink-reservoir R is sunk, becoming firmly fixed therein, when its top coincides with the upper surface

of the desk D with its side within the desk material everywhere equally impinged by it. The pressure of the wood material of the desk upon the periphery of the ink-reservoir R is such that it cannot be lifted from place by seizure of the neck and can only be dislodged by upward pressure from underneath.

My invention will now be readily comprehended and its value appreciated. I am aware that ink-wells formed by ink-reservoirs sunk into or passing through the desk have been made, and also that such reservoirs having lessening diameters from the tops downward, but, however, with rims or shoulders to support them in vertically-walled openings and with various devices for fastening them in place are known; but I am not aware that an ink-well of the construction I have described and illustrated was ever known prior to my invention thereof.

It is to be observed that in the ink-wells preceding mine, the reservoirs being suspended, as stated, any shrinkage of the wood material of the desk loosens them, causing noise with every jar or movement of the desk, and also that in case the lower part of the reservoir, which protrudes below the desk-cover, receives a lateral blow, as is so liable to occur from the knee of the occupant of the desk, the leverage between the stroke-point and the point of suspension is usually certain to break the reservoir if of glass, which are defects wholly remedied by my invention.

What I claim as my invention, and desire to secure by Letters Patent, is—

In ink-wells, the combination of the parts shown and described, forming an ink-well consisting of the cylindrical and flat-topped ink-reservoir R, having an opening to its interior centrally through the top and a suitably diminishing diameter from the top downward sunk into the circular opening H, that passes vertically through the desk-top or table with a diameter and downward diminution of the same, corresponding with the ink-reservoir R, substantially as described, and for the purpose expressed.

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

DE WAYNE GREENWOOD.

Witnesses:

J. J. SHEETS,
LON BLACKBURN.