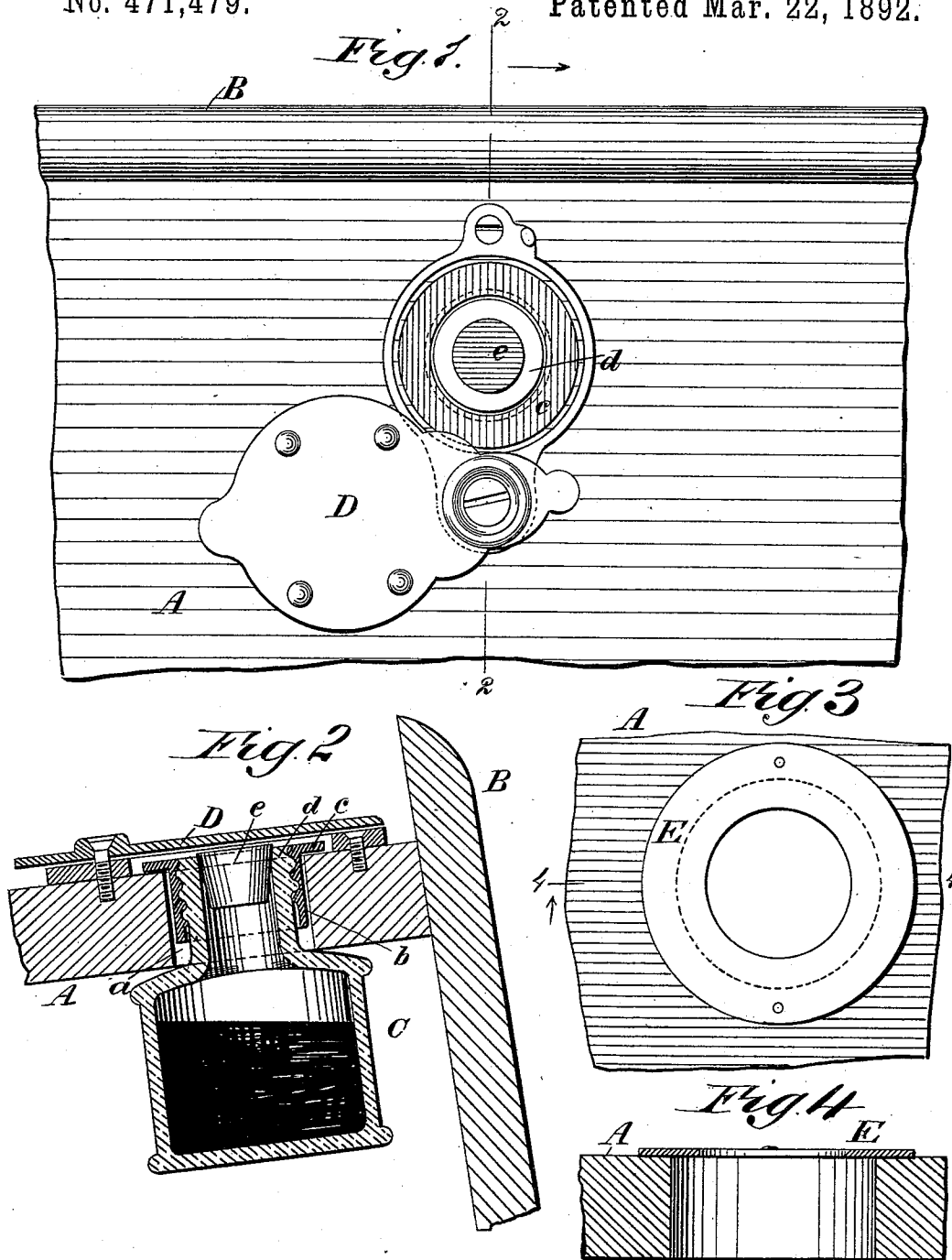


(No Model.)

W. F. HALL.
INK BOTTLE.

No. 471,479.

Patented Mar. 22, 1892.



WITNESSES:

F. M. Apple.
C. Sedgwick

INVENTOR:

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UNITED STATES PATENT OFFICE.

WILLIAM FREMONT HALL, OF RAPID CITY, SOUTH DAKOTA.

INK-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 471,479, dated March 22, 1892.

Application filed March 6, 1891. Serial No. 384,018. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM FREMONT HALL, of Rapid City, in the county of Pennington and State of South Dakota, have invented a new and useful Ink-Bottle, of which the following is a full, clear, and exact description.

This invention relates to an improved ink-bottle particularly adapted for use on school or other desks, and has for its objects to provide a simple, convenient, and reliable attachment for an ink-bottle which will afford means for the secure connection of the filled bottle with an aperture in the desk, whereby the orifice in the bottle will be located flush with the upper surface of the desk-top and the body of the bottle be hung in the desk, protected from injury.

To these ends my invention consists in the construction and combination of parts, as is hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the views.

Figure 1 is a partial plan view of a desk-top having the ink-bottle applied. Fig. 2 is a partial vertical section of a desk-top and seat with the improvement in position, the section being taken on the line 2 2 in Fig. 1. Fig. 3 is a partial plan view of a desk-top and an attached washer-plate employed to retain the ink-bottle in place when the desk-aperture is larger than the bottle-neck and its attachment; and Fig. 4 is a transverse section of the same, taken on the line 4 4 in Fig. 3.

The ink-wells supplied for school-desks are usually placed in cavities formed for their retention in the tops of the desks and are devoid of means for closely sealing their openings, so that the ink therein soon becomes unfit for use. If ink-bottles of the ordinary form put up for use as an inkstand are used, these are liable to be upset, their contents spilled, and the ink wasted, with a liability of damaging books or papers.

The simple attachment for an ordinary bottle which is shown in the accompanying drawings obviates the objections mentioned and permits of the use of the ink-bottle as an ink-well, allowing it to be corked securely when not in use and always held firmly in place

until its contents are exhausted and another bottle substituted for the empty one.

In Figs. 1 and 2 A represents a portion of the top of a school-desk having an aperture *a* formed in it at a proper point near the seat-back B, whereon the desk-top is secured in the usual manner. If the aperture *a* is made for the reception of the ink-bottle and attachment shown it will be of circular form and of such a proportionate diametrical size as will admit of the insertion of a cylindrical thimble *b*, provided with a radial flange *c* at its upper end, which when seated upon the desk-top A will retain the thimble in place.

The ink-bottle C may be given any preferred form, that shown being well adapted for the purpose. The neck *d* of the bottle C, adapted to be closed by a cork or stopper *e*, should extend nearly through the desk-top A and has a thread cut on its exterior surface of a suitable size and pitch to loosely fit a thread formed within the cylindrical thimble *b*, so that the insertion of the bottle-neck therein and the screwing of the parts together, as shown in Fig. 2, will secure the ink-bottle firmly in place with its neck and the aperture in the same conveniently located for the insertion of a writing-pen.

The laterally-swinging cover D may be used, if desired, or it may be dispensed with if its cost is objected to, as it is not a part of the invention, being such as is in general use as a cover for ink-wells on school-desks.

When the improved ink-bottle is not in service, the cork *e* should be replaced and the contents thus be kept from the air and dust.

When the aperture in the desk-top is of larger diameter than that of the bottle-neck and its thimble, a washer E (shown in Figs. 3 and 4) of metal or other material adapted for the purpose is secured to the desk around said aperture, so that the flange of the thimble will engage said washer and thus support the ink-bottle firmly in place when screwed into the thimble.

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

1. The combination, with a bottle having an externally-threaded neck, of an internally-

threaded thimble adapted to be screwed onto the neck of the bottle and provided with an outwardly-projecting flange at its upper end for supporting it in an aperture of the desktop, substantially as described.

5 2. The combination, with an apertured desktop and a washer thereon having an aperture of less diameter than that of the desk-aperture, of an internally-threaded thimble having an outwardly-projecting flange at its upper end, and a bottle having its neck externally threaded to engage the thread of the thimble, substantially as set forth.

WILLIAM FREMONT HALL.

Witnesses:

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J. H. VALLETTE.