Dec. 19 1922.

1,439,255

J. I. MORELAND.
INK BOTTLE SUPPORTING DEVICE.
FILED OCT. 8. 1921.

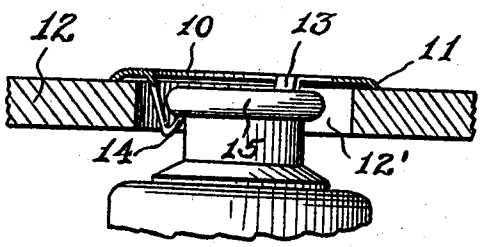


Fig. 1.

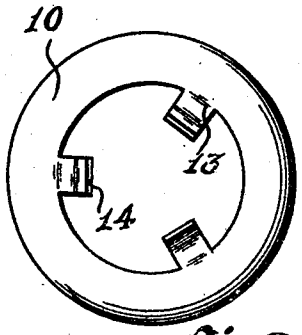


Fig. 2.

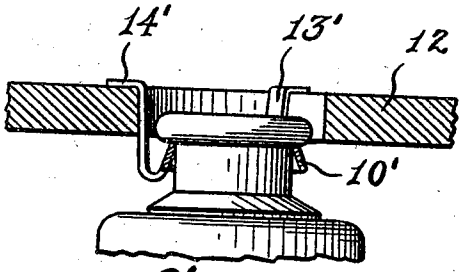


Fig. 3.

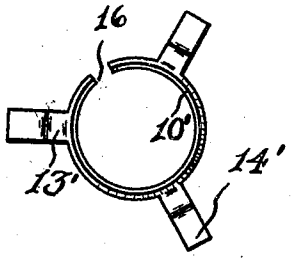


Fig. 4.

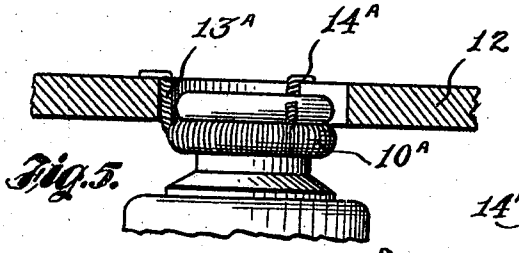


Fig. 5.

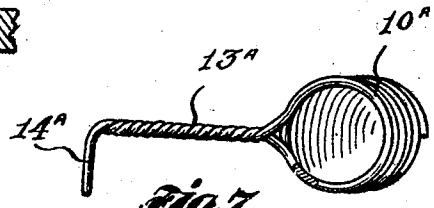


Fig. 7.

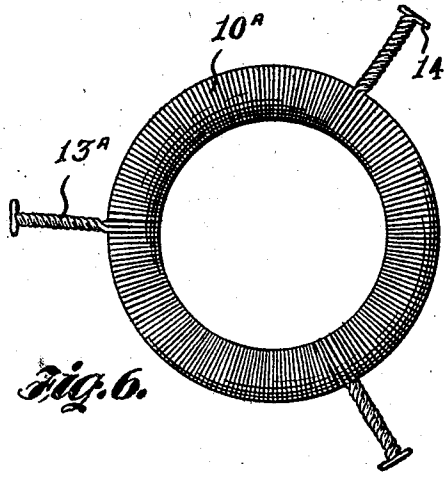


Fig. 6.

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Patented Dec. 19, 1922. 1,439,255

UNITED STATES PATENT OFFICE.

JESSE I. MORELAND, OF CHILLICOTHE, TEXAS.

INK-BOTTLE-SUPPORTING DEVICE.

Application filed October 8, 1921. Serial No. 506,327.

To all whom it may concern:

Be it known that I, JESSE I. MORELAND, a citizen of the United States, residing at Chillicothe, in the county of Hardeman and State of Texas, have invented certain new and useful Improvements in Ink-Bottle-Supporting Devices, of which the following is a specification.

This invention relates to new and useful improvements in ink bottle supporting devices.

The object of the invention is to provide a holder that is adapted to engage the top of a school desk and suspend a bottle in the usual opening provided for ink wells.

A further object is to provide a device that is adapted to support any ordinary ink bottle, thus obviating the need for specially constructed wells.

Another object is to provide a device that will suspend the top of the bottle below the top of the desk, whereby the bottle is protected from being struck by the student or overturned by objects on the desk.

Constructions designed to carry out the invention will be hereinafter described together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawings, in which examples of the invention are shown and wherein:

Fig. 1 is a sectional view showing a device, which embodies my invention suspending an ordinary ink bottle in the usual ink well opening in the top of a school desk,

Fig. 2 is a plan view of the device,

Fig. 3 is a view similar to Fig. 1, showing another device embodying my invention,

Fig. 4 is a plan view of the device shown in Fig. 3,

Fig. 5 is a view similar to Figs. 1 and 3, showing still another device embodying my invention,

Fig. 6 is an enlarged plan view of the device shown in Fig. 5, and

Fig. 7 is an enlarged detail of one of the radial arms.

It is obvious that various constructions may be designed to carry out the invention and it is understood that the invention is in no way limited to the forms shown in the accompanying drawings, said forms being merely for the purpose of illustration.

In Figs. 1 and 2, the device is provided with an annular support 10 having a downturned marginal flange 11, which rests on the margin of a desk 12 surrounding an ink well opening 12′. A plurality of radial arms 13 depends from the inner margin of the support, the said arms being inclined toward the center and having upturned lugs 14 which engage the neck of a bottle under the beading 15. The arms are preferably made of resilient material and engage the neck with sufficient tension to suspend the bottle in the opening.

In the form shown in Figs. 3 and 4, the support assumes the shape of a band or ring 10′ made preferably of resilient metal and split at 16, so as to engage the neck below the beading 15 under tension. The support tapers upwardly from its lower edge whereby it is adapted to engage an ink bottle having a sloping or tapering neck. Radial arms 13′ extend from the support and are bent upwardly and outwardly and are provided with outwardly directed lugs 14′ which rest on the marginal edge of the desk surrounding the ink well opening, whereby the bottle is suspended in the said opening.

The support shown in Figs. 5, 6 and 7 assumes the form of an annular, coiled wire spring 10ª. A particular feature of this form resides in the manner of providing the radial arms 13ª. When winding the coil the wire is extended radially at intervals, and doubled upon itself and twisted, thus forming the said arms, as is shown in Fig. 7. The ends of the arms are formed into eyes or lugs 14ª and bent down so as to engage the desk. Normally the arms extend from the ring on a horizontal plane, but it will be readily seen that when the device is in use the weight of the bottle causes the arms to assume an upright position, whereby the lugs rest on the margin of the desk surrounding the opening and suspend the bottle therein. It is obvious that the resilient nature of the support permits of its engaging various sizes and shapes of necks with sufficient tension.

It is pointed out that all of the devices shown in the drawings and described herein suspend the bottle below the top of the desk, whereby the bottle is prevented from being overturned by the arms of the student or from being struck with objects on the desk. It is also pointed out that a device constructed in accordance with my invention is adapted to support any ordinary ink bottle, thus eliminating the necessity of providing special ink

wells for school desks. Such a device is comparatively inexpensive to produce, and may be readily installed in the desk by the user.

Various changes in the size and shape, as well as modifications, may be made without departing from the spirit of the invention.

What I claim, is:

1. The combination with a substantially flat support having a relatively large opening, of a ring resting upon the top of the support adjacent to the opening and free from connection with the support, and a plurality of resilient fingers carried by the ring and projecting downwardly therefrom and entering said opening, said fingers receiving and holding the neck of an ink bottle or the like for supporting the same with the upper end of said neck wholly beneath the upper surface of the support.

2. A device for supporting ink bottles or the like within a relatively large opening formed in a substantial flat support, said device comprising means resting upon the top of the support adjacent to the opening and free from connection with the support, and holding means depending from the supporting means and passing into the relatively large opening to engage with the neck of the ink bottle and support the same with the top of the neck wholly below the upper surface of said support.

In testimony whereof I affix my signature.

JESSE I. MORELAND.