C. F. WEICHEL.

BOTTLE TOP.

APPLICATION FILED MAR. 24, 1914.

1,128,203. Patented Feb. 9, 1915.

FIG. 1

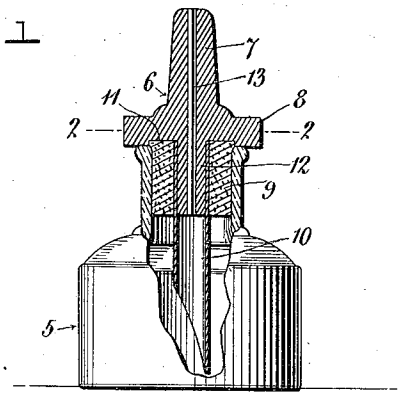


FIG. 2

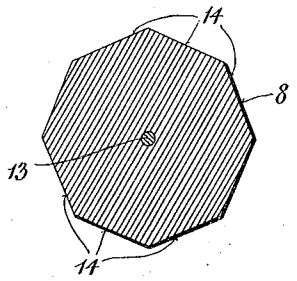
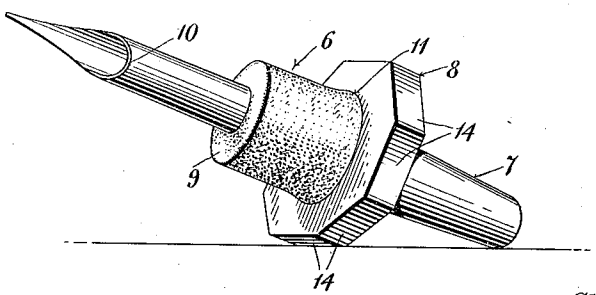


FIG. 3



Witnesses

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UNITED STATES PATENT OFFICE.

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BOTTLE-TOP.

1,128,203. Specification of Letters Patent. Patented Feb. 9, 1915.

Application filed March 24, 1914. Serial No. 826,928.

To all whom it may concern:

Be it known that I, CLYDE F. WEICHEL, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented new and useful Improvements in Bottle-Tops, of which the following is a specification.

This invention relates to bottle tops, and more particularly to tops for drawing-ink bottles of conventional type.

It proposes, briefly, an improved article of the class or character specified which is so constructed as to present certain advantages that are lacking in the ordinary style of top, as well as to correct certain objections to which such top is open.

With the above and other objects in view, the invention comprehends, generally, the production of an ink-bottle top whose crown portion is of polygonal form, and whose steeple portion is weighted, in consequence whereof, the top, when removed from the bottle and deposited upon a table or other support, will be prevented from rolling around, and the quill will be raised and held out of contact with the surface of such support. Also, the invention contemplates a further improvement in that the neck or cork portion of the top is securely fastened to the crown and steeple portions by a member which is passed through all of such portions, whereby the top as a whole is materially strengthened and reinforced, and the danger of the cork breaking off is avoided.

An embodiment of the invention is illustrated in the accompanying drawing, wherein:—

Figure 1 is a side elevation, partly in section, of a drawing-ink bottle equipped with the improved top; Fig. 2 is an enlarged section of the crown portion of the top, taken on line 2—2, Fig. 1; and Fig. 3 is an enlarged perspective view of the top, showing the position which it assumes when placed on a support.

In said drawing, 5 indicates, generally, the bottle, which, as previously stated, is of the ordinary type, and 6 the top of such bottle.

The top embodies the usual steeple, crown and neck portions 7, 8 and 9, respectively, and the quill 10, the portions 7 and 8 being integral, as is customary, and the former being provided upon its inner or under face with a recess 11 wherein is secured the upper end of the cork that constitutes the aforementioned neck portion 9. The quill 10 passes through the cork, but instead of projecting into the steeple 8, as is usually the case, it terminates flush with the wall of recess 11, the part thereof which is encircled by said cork inclosing a filling that is formed by a nipple 12 extending axially downward from crown 7.

In order to produce the desired internal reinforcement of the top as a whole, a heavy, stiff wire 13 is employed, as clearly shown in Fig. 1. This wire is embedded axially in the material of which the steeple and crown are formed, and it extends the entire distance between the tips or terminals of the steeple and the nipple 12, so that in addition to constituting the reinforcing means, its upper portion also acts as the means for weighting the steeple, the wire being so chosen that the weight of the steeple is then greater than that of the combined cork and quill. Consequently, when the top is removed from the bottle and placed upon a table, drawing board or other support, it will automatically assume the inclined or tilted position represented in Fig. 3, with its quill raised above the surface of such support. During this tilting movement, the crown constitutes the fulcrum about which the top rocks, and in order to prevent the latter from rolling about at such time, the said crown is given a polygonal, (preferably, octagonal), shape, as a result of which construction the angles formed by its sides 14 will cause the crown to settle down upon one of said sides, in the manner depicted in the figure mentioned, thereby obviating rolling, as will be understood.

Having fully described my invention, I claim:—

1. An ink-bottle top of the character specified, comprising a connected steeple, crown portion, and nipple, the nipple depending from the bottom of the crown portion, a cork attached to the under side of said crown portion, a quill having its base extending into said cork and fitting over said nipple, and a wire embedded axially in said steeple and projecting through the same and said crown portion into the nipple in the base of the quill to brace the latter and to cause the steeple to overbalance the cork and quill when the top is deposited upon a support.

2. An ink-bottle top of the character specified, comprising connected steeple and crown portions, the latter of which is provided upon its inner face with a recess and with a nipple depending axially therefrom; a cork encircling said nipple and secured at its upper end in said recess; a quill having its base encircling said nipple and encircled, in turn, by said cork, the edge of said base terminating flush with the wall of said recess; and a wire embedded axially in said steeple and extending through said crown and nipple, for bracing the quill and for weighting the steeple, to cause the latter to overbalance the cork and quill when the top is deposited upon a support.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CLYDE F. WEICHEL.

Witnesses:
GRACE B. BENSON,
J. C. THOMAS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."