

W. G. WINTER.
BOTTLE HOLDER AND TRAY.
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1,061,152.

Patented May 6, 1913.

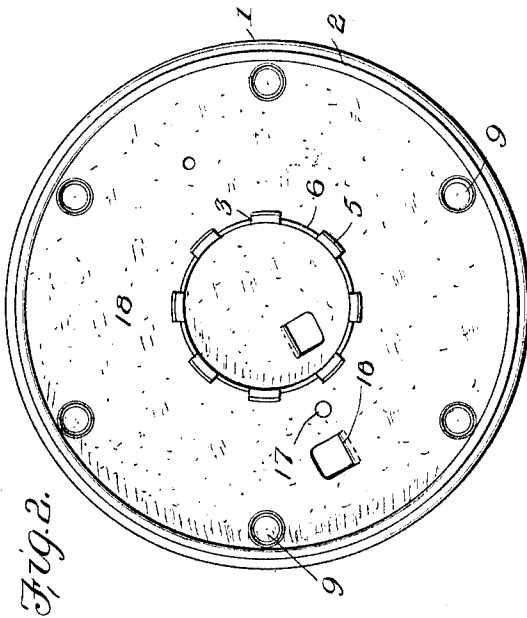
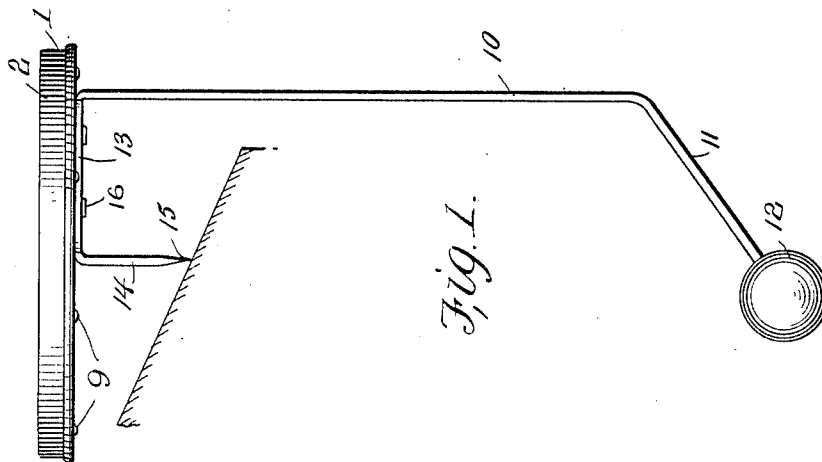
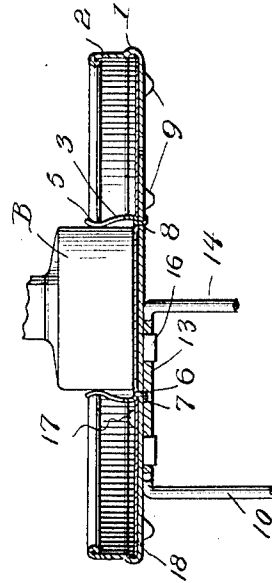


Fig. 3.



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UNITED STATES PATENT OFFICE.

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BOTTLE-HOLDER AND TRAY.

1,061,152.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM G. WINTER, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented new and useful Improvements in Bottle-Holders and Trays, of which the following is a specification.

This invention relates to bottle holders and trays and has particular application to a device of the class described adapted to be employed for supporting bottles of fluid, such as ink or the like, as well as other similar articles, such as draftsmen's tools.

In carrying out the present invention, it is my purpose to provide a device of the type set forth which will embody among other features a base having an upwardly turned marginal flange, and a bottle supporting ring mounted centrally of the base whereby a space is left between the flange of the base and the ring, such space being adapted to accommodate small articles such, for instance, as draftsmen's tools, thumb tacks, erasers and the like.

It is also my purpose to provide a device of the class described which will embody in its construction features of simplicity, convenience and cheapness of cost.

With the above recited objects and others of a similar nature in view, my invention consists in the construction, combination and arrangement of parts set forth in and falling within the scope of the appended claim.

In the accompanying drawings,—Figure 1 is a view in side elevation of a bottle stand embodying my invention, such view illustrating the manner of attaching the same to an inclined surface, such as a draftsman's table; Fig. 2 is a top plan view of the same. Fig. 3 is a vertical cross sectional view taken through the bottle stand or holding portion.

Referring now to the accompanying drawings in detail, the numeral 1 indicates the base of my improved holder or stand, which may be of any suitable form, shape or size and made of any preferred material, such as metal, said stand in the present instance being circular in form and provided with a vertical bead or flange 2. Arranged at the center of the stand is a bottle supporting ring 3 formed or provided with a circular series of inwardly bent spring fingers or clips 5 adapted when the bottle B is placed therein to contact with and clasp the wall of the bottle so as to retain the same

firmly in position. The base of the ring is provided with an inwardly extending circular flange 6 carrying lugs or projections 7 spaced a suitable distance apart, said lugs being designed to be bent downward and inserted through alining slots 8 in the base, said lugs being then bent over flat with the underside of the base so that the ring is firmly secured in position. The underside of the base is provided circumferentially with small nibs or projections 9 adapted to form feet or a rest for the base when the latter rests in contact with the surface, such as the top of a desk. In order to fasten the base of the stand to a slanting surface and to properly balance the same so that said stand or base will lie horizontal irrespective of the inclination of the surface to which it is attached, I provide a depending arm 10 having the lower end portion 11 thereof bent or inclined at an angle to the main body of the rod or arm, said depending portion carrying a balancing weight 12. The upper end of the rod is bent horizontally, as at 13, and then vertically downward at 14, so that it is approximately U-shaped in form at its upper end, the portion 14 of the rod or arm being pointed or sharpened, as shown at 15. The horizontal section 13 at the top is also preferably flattened to assist in more readily securing the rod or arm to the base. The manner of securing the balancing arm to the base is optional, but in the present instance it is fastened through the medium of lips 16, stamped from the base, said lips extending downward and are then bent about or around the horizontal section 13 at the end of the rod. If desired, small pins or rivets 17 may be employed to assist in securing the rod or arm to the base of the stand. If desired, said stand is, furthermore, preferably provided with a pad 18 which rests upon the upper surface of the base.

It will be seen that while the bottle may be firmly clamped in the ring and the stand always supported in such a manner as to hold the bottle vertically, the space between the bottle ring and the flange or bead may be used for holding thumb tacks, small tools and other like articles.

It will be noted that I have provided a simple yet convenient form of stand by which the bottles and other articles may be firmly and safely held so that the danger of upsetting especially when being used

upon slanting boards or tables is avoided, and, furthermore, the stand affords facilities for holding the bottles vertically on slanting surfaces, while such stand may be placed
5 anywhere along the edge of the slanting board or table so as to be always within convenient reach for use by the operator.

What I claim is:—

10 A device of the class described comprising a base having an upwardly turned marginal flange and formed centrally with an annular row of apertures, a bottle supporting ring mounted centrally of the base whereby a space is left between the flange of

the base and ring, said ring having an in- 15
wardly extending flange, lugs formed on the free edge of said flange and adapted to project through the apertures in the base to secure the ring thereto, and a plurality of
spring fingers carried by the ring and adapt- 20
ed to engage a bottle.

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

WILLIAM GEO. WINTER.

Witnesses:

FRANK B. NALL,
DOUGLAS C. SACHSE.

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