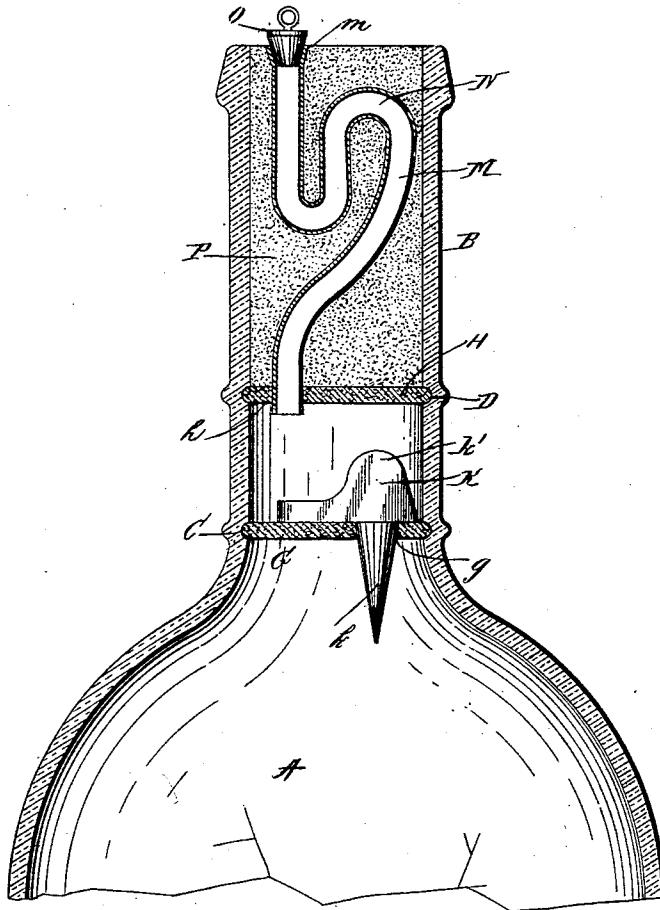


(No Model.)

J. V. VAN NAME.
BOTTLE.

No. 573,557.

Patented Dec. 22, 1896.



WITNESSES:

John Buckler,
C. French

INVENTOR.

Joshua V. Van Name,
BY
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOSHUA V. VAN NAME, OF MARINER'S HARBOR, NEW YORK.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 573,557, dated December 22, 1896.

Application filed November 12, 1895. Serial No. 568,729. (No model.)

To all whom it may concern:

Be it known that I, JOSHUA V. VAN NAME, a citizen of the United States, and a resident of Mariner's Harbor, in the county of Richmond and State of New York, have invented certain new and useful Improvements in Bottles, of which the following is a specification, reference being had to the accompanying drawing, forming a part thereof, in which
10 similar letters of reference indicate corresponding parts.

This invention relates to bottles, jugs, jars, and similar vessels; and the object thereof is to provide a vessel of this class which having
15 been once filled may be emptied of its contents, but cannot be refilled or reused.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which my invention is shown applied to a bottle, said drawing being a central vertical section of the
20 upper part of a bottle and the neck thereof provided with my improvement.

In the practice of my invention I provide
25 a bottle A, having a neck B, and within said neck and near the lower portion thereof is formed an annular groove or recess C, and at a predetermined distance above the annular groove or recess C is a similar annular groove
30 or recess D. The lower annular groove or recess C is adapted to receive a partition-plate G, which is preferably composed of cork, rubber, or similar material, and near one side thereof is formed a port or opening g, and
35 above this partition-plate G is placed a valve K, having a depending prong k, which is adapted to project through and close the port or opening g. The valve K is of irregular form and provided on the side thereof, above
40 the port or opening g, with an upwardly-directed extension k', and the distance between the top of the extension k' and the lower end of the prong K is greater than the distance between the annular groove or recess C and
45 the annular groove or recess D.

Secured in the annular groove or recess D is a partition-plate H, of cork, rubber, or similar material; and formed in one side thereof and opposite the port or opening g in the plate
50 G is a similar opening h, and placed in the upper end of the neck of the bottle above the plate H is a tube M, one end of which pro-

jects at the top of the neck, as shown at m, and the other end of which extends through the opening h in the plate H, and this tube
55 M is curved or bent in the manner shown in the drawing, being provided with an upwardly-directed loop or bend N, the object of which is to prevent the insertion of a tool, wire, or other instrument therethrough, so as
60 to interfere with the operation of the valve K, and the upper end of the tube M may be closed by a cork, plug, or stopper O in the usual manner.

The operation will be readily understood
65 from the foregoing description when taken in connection with the accompanying drawing. In this class of devices the bottle must first be filled before the neck appliances are secured in position, and the bottle A having
70 been filled the plate G is forced into place and the valve K placed thereon in such manner that the prong k thereof passes through the opening g in said plate. The plate H is then forced into position, and the lower end
75 of the tube M is inserted through the opening h therein, after which the upper part of the neck is filled in with plaster-of-paris or cement, as shown at P, said cement being
80 placed therein in a plastic condition, and after it has had time to set it will be impossible to remove the same. The upper end of the tube M may then be closed by a plug or stopper, as shown and described, and whenever it is
85 desired to empty the bottle or discharge a portion of its contents it is only necessary to remove said stopper and invert or tilt the bottle, when the valve K will leave its seat under the influence of gravity and the contents of the bottle will flow out through the
90 opening g and the tube M; and this operation may be continued or repeated until the bottle is entirely empty.

If an attempt be made to refill the bottle by pouring liquids thereinto, the valve K will
95 at once be reseated, and no liquids can enter the bottle, and this operation of the valve will be the same in any position in which the bottle can be held in an effort to pour liquids thereinto. I may also make the valve K of
100 cork or similar light material or make it hollow and of glass, in which event it will serve as a float-valve and prevent the forcing of liquids into the bottle.

My invention is not limited to the exact form, construction, and arrangement of parts herein shown and described, and I therefore reserve the right to make all such alterations
5 therein and modifications thereof as fairly come within the scope of the invention.

Having fully described my invention, I claim and desire to secure by Letters Patent—

- 10 The combination with a bottle, the neck of which is provided near the lower portion thereof with two annular inner recesses or grooves, of an antifilling attachment adapted to be secured within said neck and consist-
15 ing of a partition-plate adapted to be secured in the lower groove in the bottle-neck, said plate being composed of cork and having formed near one side thereof a port or opening *g* adapted to be closed by a valve *K* hav-
20 ing a depending conical prong *k* adapted to close said opening in said valve, being also

provided with a vertical extension above said prong, said prong being longer than the distance between the lower partition-plate and the upper partition-plate *H* secured in the
25 upper groove in the neck of the bottle, a tube extending from the mouth of the bottle through the upper partition the upper portion of said neck being filled in around said tube with a suitable composition, a small plug
30 or stopper to close the upper end of said tube, substantially as herein set forth and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 7th
35 day of November, 1895.

JOSHUA V. VAN NAME.

Witnesses:

C. GERST,

M. A. KNOWLES.