

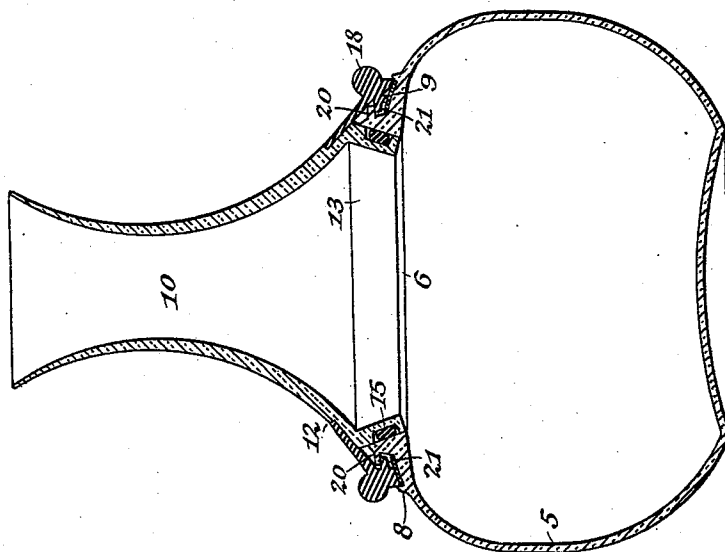
(No Model.)

W. B. FENN.
WATER BOTTLE.

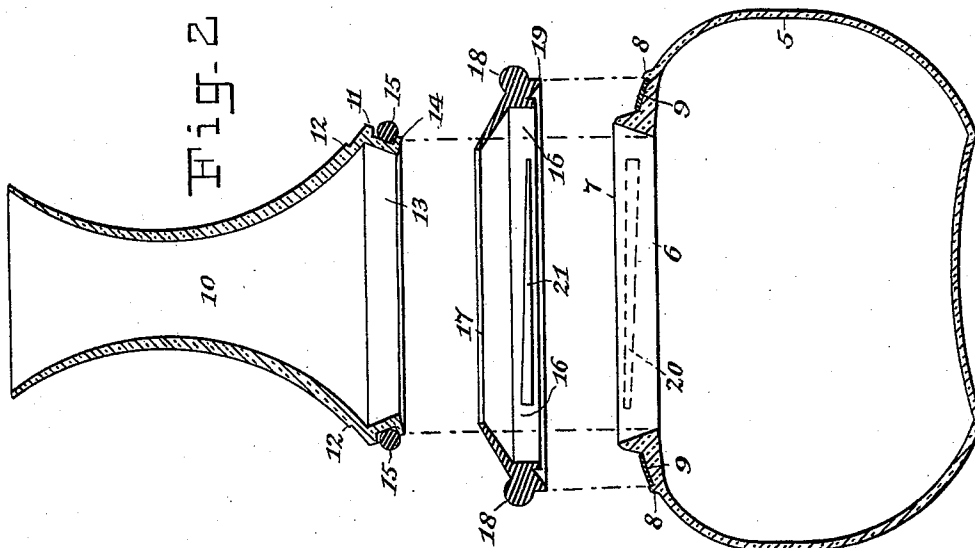
No. 579,867.

Patented Mar. 30, 1897.

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WITNESSES:

E. B. Bolton
E. A. Scott

INVENTOR

William B. Fenn
BY  Richard D. R.

ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM B. FENN, OF DORRANCETON, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO DUANE HOWARD, OF CORTLAND, NEW YORK.

WATER-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 579,867, dated March 30, 1897.

Application filed November 10, 1896. Serial No. 611,617. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. FENN, a citizen of the United States, residing at Dorranceton, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Water-Bottles, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

10 This invention relates to water-bottles and similar vessels, the object thereof being to provide an improved device of this class which consists of a plurality of parts, said parts being detachably connected and adapted to be separated whenever desired for cleaning and other purposes.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

20 Figure 1 is a central vertical section of the upper part of my improved bottle or vessel, and Fig. 2 a similar view showing the separate parts disconnected.

In the practice of my invention I provide 25 a bottle or vessel for the purpose herein specified which consists of a base or body portion 5, which is preferably of the usual form, but which may be of any desired shape and which is provided with a large central circular opening in the top thereof, as shown at 6, and around which is formed an upwardly-directed neck or arm 7, which is triangular in cross-section, the walls thereof being inclined inwardly and upwardly, and formed around the base of said neck or arm is an annular bead 8, and between the annular bead 8 and the base of the neck or arm is a packing-ring 9, composed of rubber or similar material. I also provide a detachable neck 10, which is 40 preferably of the form shown, the base thereof being much greater in diameter than the upper end and the upper end being greater in diameter than the central portion, and said neck is provided at its lower end with an outwardly-directed annular flange 11, above which is an annular shoulder 12, and below the annular flange 11 is an inwardly and downwardly directed annular rim 13, at the bottom of which is an outwardly-directed annular flange 14, and placed between the

flanges 11 and 14 is a packing-ring 15, composed of rubber or similar material.

In practice I connect the neck 10 with the body or base portion 5 by means of the annular coupling ring or band 16, which is provided at its upper side with an inwardly-directed conical flange or rim 17, and formed on the outer upper portion of the ring or band 16 at the base of the conical flange is an annular bead or shoulder 18, which is circular 60 in cross-section and below which is an outwardly-directed flange 19.

The neck or arm 7 of the body or base portion 5 of the bottle or vessel is provided on its outside sides with inclined shoulders or projections 20, one of which is shown in dotted lines in Fig. 2, and the ring or band 16 is provided on its inner surfaces with corresponding inclined shoulders or projections 21, one of which is shown in full lines in Fig. 2, and in connecting the separate parts the upper end of the neck 10 is inserted upwardly through the ring or band 16, and said ring or band is then connected with the neck or rim 7 of the bottom or base 5 by placing it thereon 75 so that the inclined shoulders or projections 21 will pass downwardly between the shoulders or projections 20, and then by turning said ring or band to the right the parts will be securely locked together and will assume 80 the position shown in Fig. 1.

The coupling between the separate parts is made perfectly secure and water-tight by the packing-ring 15, which is formed as shown in Fig. 1, and the packing-ring 9 facilitates the 85 coupling of the separate parts and also aids in preventing the breaking thereof when they are screwed together if said parts be made of glass or similar material.

My invention is not limited to the material 90 of which the bottle or vessel is made, and any desired material may be employed, such as chinaware, glassware, or other forms of earthenware or metal, or a combination of metals may be employed, and in the latter event 95 care should be taken to select such metals as will not corrode or be injuriously affected by fluids or acids.

It will thus be seen that I accomplish the object of my invention by means of a simple 100

and effective construction, and it is evident that changes in and modifications of the construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages.

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

1. In combination the body, having a flange or rim and a packing-seat and packing, said flange having a beveled inner face, the neck having a correspondingly-beveled flange at its lower end, a packing-ring seated in a groove in said flange, a ring resting against the packing on the body portion and having an inwardly-projecting flange engaging the lower portion of the neck, and means for connecting the ring to the body portion comprising inclined lugs or projections upon one part engaging similar lugs or projections upon the other part, substantially as described.

2. In combination the body portion having

a flange or rim, the flaring neck abutting against said flange, and the rotatable ring having an annular flange overlapping the flaring lower portion of the neck and having a detachable connection with the body portion, substantially as described.

3. In combination the body portion having a flange or rim with a beveled inner face, the neck having a flaring lower end provided with a beveled flange abutting against the flange of the body portion, the rotatable ring having an annular flange overlapping the lower edge of the neck, and inclines detachably connecting the ring with the body portion, substantially as described.

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

WILLIAM B. FENN.

Witnesses:

A. R. DIETRICH,
C. H. SHIPPY.