

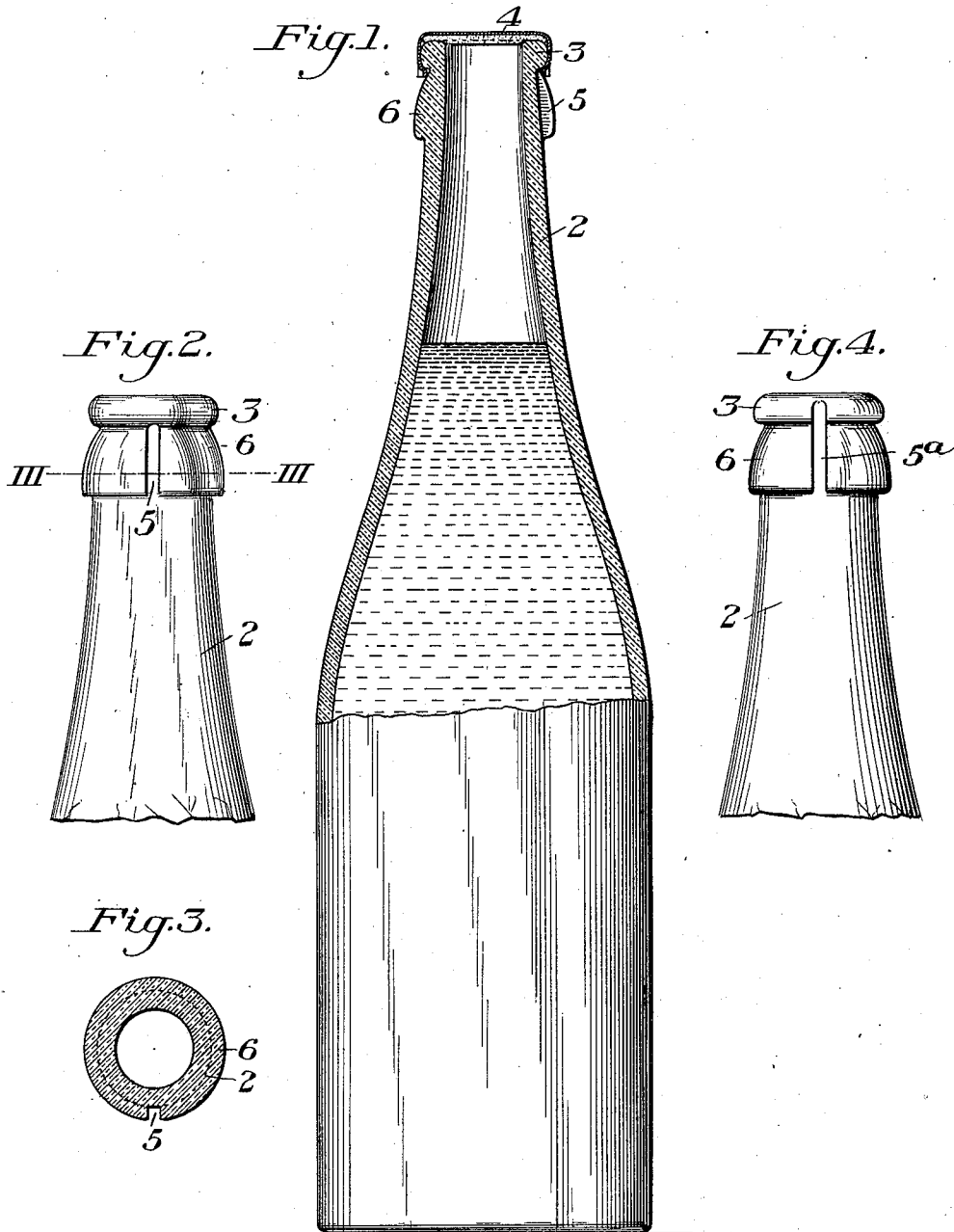
T. MILLS.

BOTTLE.

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1,023,114.

Patented Apr. 9, 1912.



WITNESSES

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UNITED STATES PATENT OFFICE.

THOMAS MILLS, OF BARTLETT, OHIO, ASSIGNOR OF ONE-HALF TO SAMUEL L. ROSEBURG, OF PITTSBURGH, PENNSYLVANIA.

BOTTLE.

1,023,114.

Specification of Letters Patent.

Patented Apr. 9, 1912.

Application filed October 6, 1911. Serial No. 653,147.

To all whom it may concern:

Be it known that I, THOMAS MILLS, a resident of Bartlett, in the county of Washington and State of Ohio, have invented a new and useful Improvement in Bottles, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this invention, in which—

Figure 1 is a view partly in side elevation and partly in section of a bottle embodying my invention; Fig. 2 is an elevation of the neck and mouth portion of the bottle; Fig. 3 is a section on the line III—III of Fig. 2; and Fig. 4 is a view similar to Fig. 2, but showing a modification.

My invention has relation to bottles, and more particularly to bottles whose contents are to be drunk directly from the bottle, the object of the invention being to provide a bottle which will facilitate drinking directly therefrom.

The invention is an improvement upon the bottle described and claimed in Patent No. 600,064, granted to myself and James P. Chaplen on March 1, 1898. The bottle described and claimed in said patent had a similar object in view to that of the present invention, but it was found in practice that such bottle presented difficulties in construction and also prevented proper sealing of the bottle by the metallic seals now commonly employed. My present invention overcomes these difficulties and provides a bottle of this character which can be readily manufactured and which will not in any way interfere with its proper sealing.

In the accompanying drawings, the numeral 2 designates the neck portion of the bottle having the usual sealing lip 3 at its upper end.

4 designates a sealing cap of well known character.

In accordance with my invention, I provide in the neck portion of the bottle, preferably

below the lip 3, an exterior vertical groove, such as shown at 5 in Fig. 1, 2 and 3. This groove is formed in the thickened portion 6 of the bottle and extends at its lower end through the shoulder formed at the lower end of said thickened portion. The groove 5 provides means whereby in drinking the contents of the bottle directly from the bottle, air can enter the drinker's mouth, and thence enter the bottle. In other words, this groove forms an air entrance passage between the bottle and the lips of the drinker.

In Fig. 4, I have shown a modification in which a groove 5^a similar to the groove 5, first described, is employed, but which, instead of terminating at its upper end below the sealing lip 3, extends upwardly into such lip.

The bottle having a groove such as described can be readily manufactured, the groove being blown or molded therein. It in no way interferes with the application of the cap or seal. Should the neck portion of the bottle be wrapped in tin foil, as is customary in some cases, the groove will still admit air in the manner described, without the necessity of removing the tin foil before drinking.

I claim:

A bottle having a thickened neck portion terminating in a shouldered lip at its upper end which forms a seat for a metallic sealing cap, the thickened portion having therein a vertical groove whose upper end terminates sufficiently below the upper end of said lip to leave an unbroken seating surface for the flange of the sealing cap, substantially as described.

In testimony whereof, I have hereunto set my hand.

THOMAS MILLS.

Witnesses:

GEO. H. PARMELEE,
H. M. CORWIN.

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