

No. 762,992.

PATENTED JUNE 21, 1904.

G. W. FILBRUN.
NON-REFILLABLE BOTTLE.
APPLICATION FILED FEB. 19, 1904.

NO MODEL.

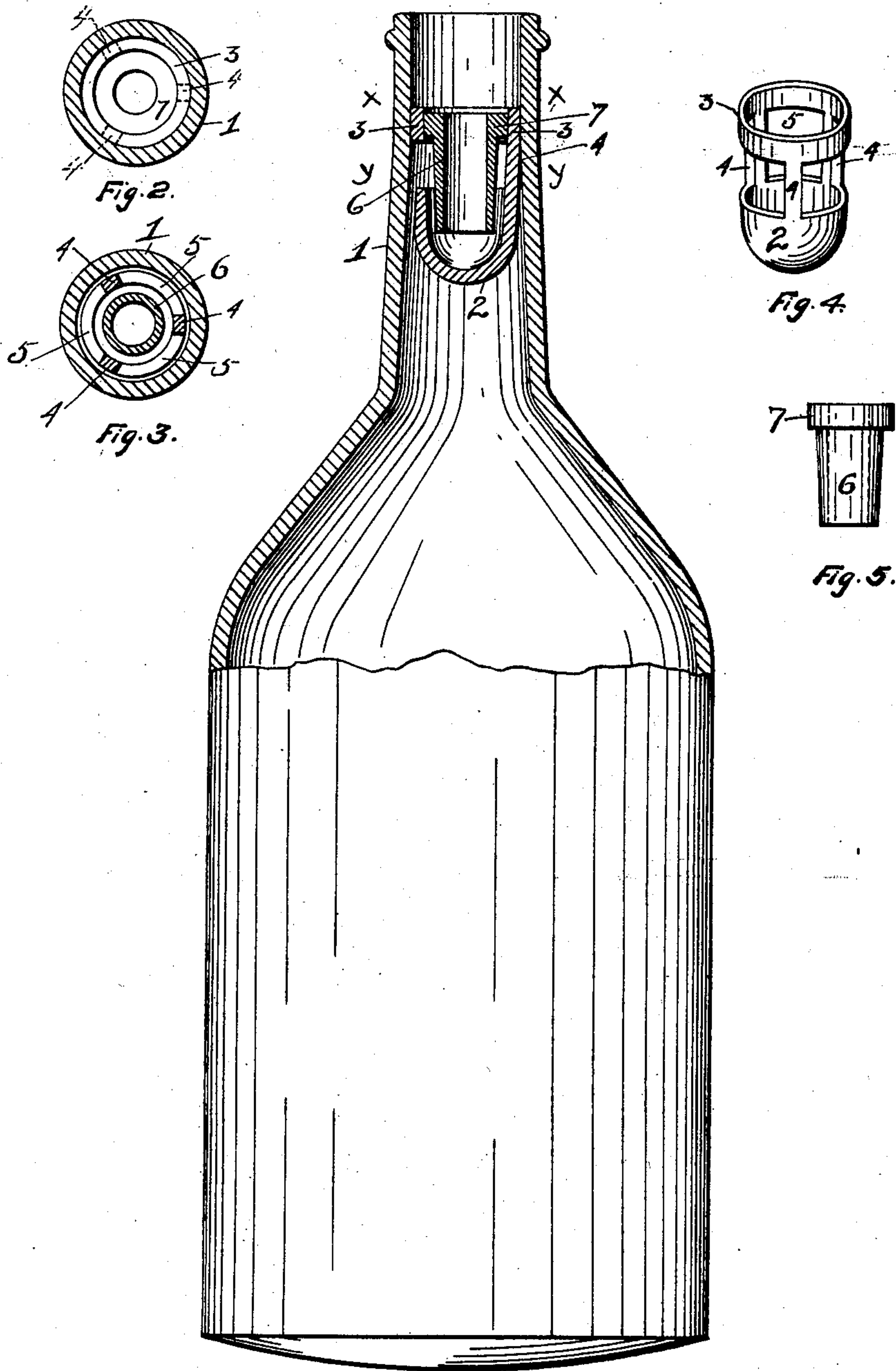


Fig. 1.

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WITNESSES

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NON-REFILLABLE BOTTLE.

SPECIFICATION forming part of Letters Patent No. 762,992, dated June 21, 1904.

Application filed February 19, 1904. Serial No. 194,322. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. FILBRUN, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Non-Refillable Bottles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in non-refillable bottles and possesses the novel and advantageous features hereinafter described and claimed.

Preceding a detail description of the invention reference is made to the accompanying drawings, of which—

Figure 1 is an elevation of a bottle with the upper portion thereof broken away to disclose the non-refillable attachment. Fig. 2 is a cross-section through the neck on the line *x x* of Fig. 1. Fig. 3 is a similar section on the line *y y* of Fig. 1. Fig. 4 is a perspective view of the neck-cup detached from the bottle. Fig. 5 is a detail view of the thimble detached from the neck-cup.

In a detail description of the invention similar reference characters indicate corresponding parts.

The device for preventing the refilling of a bottle after the latter has been emptied of its contents is shown in Figs. 4 and 5 in detail, and these devices are placed within the neck 1 of the bottle. As indicated in Fig. 1, the said devices are supported in the neck of the bottle some distance from the mouth of said bottle. The neck of the bottle is of the usual tapering form in order that there may be a suitable space intervening between the interior of the neck and the device placed therein. These devices consist of a neck-cup 2, which is oblong in shape and of uniform diameter and which has a rim 3, by means of which the cup is supported in the neck of the bottle. The rim 3 is joined to the cup by bars 4, which provide intervening spaces 5, through which the liquid in the bottle enters the cup from the

surrounding sides in the act of pouring the liquid from the bottle. It will be seen from Fig. 4 that a substantial portion of the sides of the cup 2 is cut or removed in order that suitable openings may be provided for a free discharge of the contents of the bottle. Within this cup there is placed a thimble 6, which has an opening from end to end and is supported within the cup in such a manner that the liquid entering said cup may find an exit from the bottom and through the opening in said thimble. The said thimble is supported at the rim 3 of the cup by means of the rim 7 of said thimble engaging with the inner surface of the rim of the cup, these parts being suitably tapered to prevent the thimble from falling to the bottom of the cup.

From the construction thus described it will be seen that in emptying the bottle of its contents the liquid is unobstructed and is permitted to enter the cup through the openings or spaces 5 in the sides thereof and to then pass through the thimble 6 and out of the bottle. The refilling of the bottle is prevented, owing to the air-pressure within the bottle forming a seal in the neck of said bottle, which prevents the liquid from passing out of the cup 2.

Having described my invention, I claim—

In a device for preventing the refilling of bottles, the combination with a bottle-neck which tapers slightly from its mouth downward, of an oblong cup of uniform diameter supported in said neck, substantial portions of said cup between the rim and the bottom thereof, being removed to provide suitable openings in the sides of said cup for a free emptying of the contents of the bottle, and a thimble having an enlarged rim by means of which it is supported in a substantial position from the interior rim of the cup, the lower end of said thimble being open and projecting a substantial distance below the openings in the sides of the cup, substantially as set forth.

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

GEORGE W. FILBRUN.

Witnesses:

R. J. McCARTY,

JOHN W. McKEOWN.