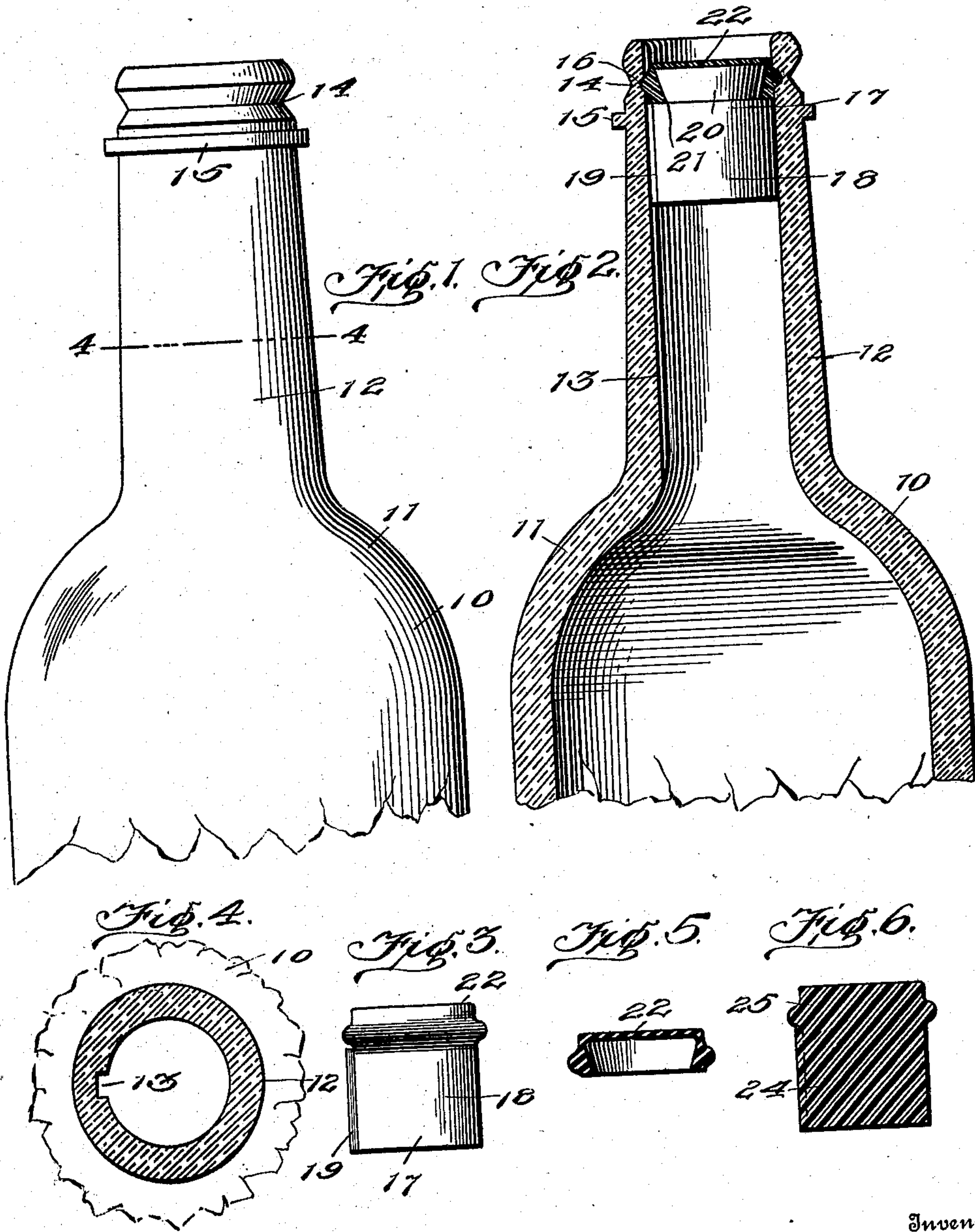


J. McGILL.
BOTTLE.

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Patented Sept. 22, 1908.

899,493.



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UNITED STATES PATENT OFFICE.

JAMES MCGILL, OF TERRE HAUTE, INDIANA.

BOTTLE.

No. 899,493.

Specification of Letters Patent.

Patented Sept. 22, 1908.

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To all whom it may concern:

Be it known that I, JAMES MCGILL, a citizen of the United States, residing at Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful Improvements in Bottles, of which the following is a specification.

This invention relates to the class of bottles and jars and more particularly to a bottle, and has for its object to provide a bottle which will be simple in construction, inexpensive to manufacture, and which will effectively serve to prevent the removal of the contents of the bottle without detection.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevational view of a portion of a bottle showing the application of the present invention thereto, Fig. 2 is a vertical longitudinal sectional view through the same, Fig. 3 is a detail view of the stopper, Fig. 4 is a transverse sectional view on the line 4—4 of Fig. 1, Fig. 5 is a detail view of the cap for the stopper. Fig. 6 is a sectional view of a modified form of stopper.

Referring now more particularly to the drawings, there is shown a bottle 10 having a body portion 11 of usual construction provided with a contracted neck 12, as shown. The neck 12 is provided internally with a vertically disposed groove 13 which opens at its lower end into the body of the bottle, as shown, and the purpose of this groove will be hereinafter described. The neck of the bottle adjacent its upper end is provided with a circular depression or concavity 14 preferably V-shaped in vertical section, and beneath this depression or concavity, the neck of the bottle is provided with a strengthening collar 15. Located within the neck of the bottle and in line with the depression 14, there is shown a concavity or groove 16, for a purpose to be hereinafter referred to.

A stopper 17 is provided for the neck 12, and this stopper consists of an elongated plug 18 having a vertically extending rib 19 at one

side arranged for insertion in the groove 13, and at the upper end, this plug is provided with a reduced portion 20 having downwardly inclined walls 21, as shown. The portion 20 of the plug is thus arranged to receive a rubber or other flexible cap 22, a portion of this cap is thus arranged to expand into the groove or concavity 16 when the plug 18 is driven home.

When it is desired to remove the contents of the bottle the neck of the bottle at the depression 14 or above the stopper is struck with a suitable implement, and the portion of the neck outwardly of the cap 22 will be removed or broken off, whereupon, the plug is thus free from removal. The provision of the groove 13 is such that an ordinary stopper would be useless.

In the modified form of my invention shown in Fig. 6, I omit the cap 22 and provide a solid rubber stopper 24 having a circumferential bead 25 which may be conveniently forced into the groove 16. The stopper 17 is preferably made of glass or other similar material.

The construction of the plug is such that a seal may be inserted within the neck of the bottle after the plug has been properly placed therein. The construction is also such as to prevent broken glass from falling into the bottle after the removal of the upper portion of its neck.

What is claimed is:

1. The combination with a bottle having a circular groove internally of its neck, said bottle having a vertically extending groove located within its neck, of a stopper disposed within the neck and having a portion disposed in the vertically extending groove, and means carried by the stopper for locking engagement in the first named groove.

2. The combination with a bottle having a neck, said neck having a continuous groove externally and a continuous groove internally, of a stopper having a removable cap arranged for locking engagement in said last named groove.

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

JAMES MCGILL.

Witnesses:

M. O. SULLIVAN,
GEO. W. VANLUE.