P. GERGELY.

BOTTLE CLOSURE.

APPLICATION FILED AUG. 28, 1911.

1,015,675. Patented Jan. 23, 1912.

FIG. 1

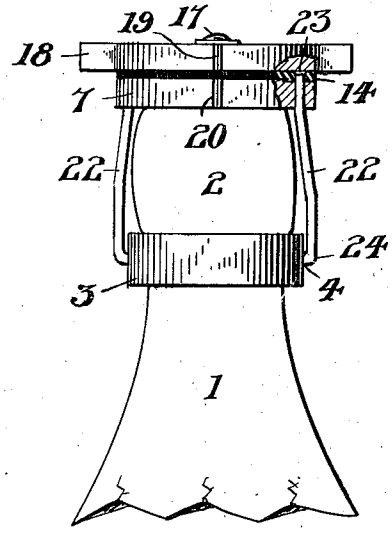


FIG. 2

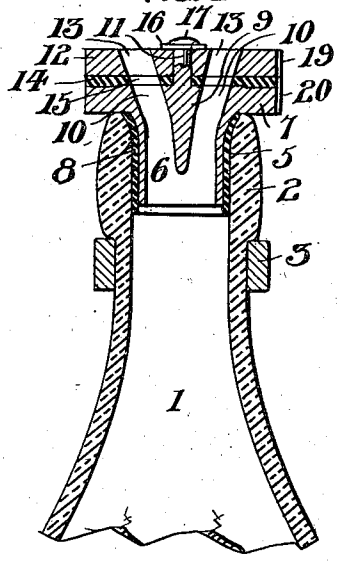


FIG. 4

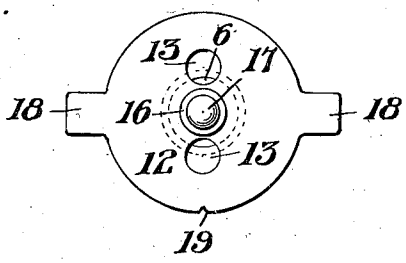


FIG. 3

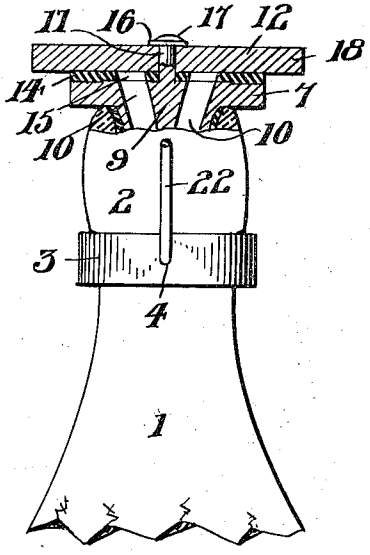
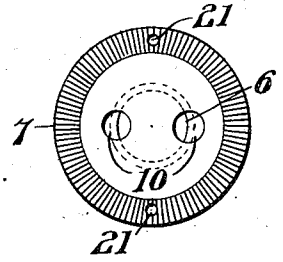


FIG. 5



WITNESSES

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UNITED STATES PATENT OFFICE.

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BOTTLE-CLOSURE.

1,015,675. Specification of Letters Patent. Patented Jan. 23, 1912.

Application filed August 28, 1911. Serial No. 646,326.

To all whom it may concern:

Be it known that I, PHILLIPPS GERGELY, a subject of the King of Hungary, residing at Monongahela city, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Bottle-Closures, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a bottle closure especially designed for beer bottles, and the primary object of my invention is to provide a bottle closure or stopper that can be easily and quickly opened or closed at will, whereby the beverage within the bottle will be maintained in perfect condition and prevented from becoming "flat", due to exposure to the air.

Another object of this invention is to provide a bottle closure that can be used in connection with the present type of beverage bottle, the closure obviating the necessity of using a cork-screw, clip, or other device for opening the bottle.

A further object of this invention is to provide a bottle closure that is inexpensive to manufacture, easy to position upon the bottle and highly efficient for the purposes for which it is intended.

With the above and other objects in view, the invention resides in the novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein like numerals denote corresponding parts throughout the several views, in which—

Figure 1 is a front elevation of the bottle closure; Fig. 2 is a vertical sectional view of the same showing the closure in an open position; Fig. 3 is a side elevation of the closure partly broken away and partly in section, showing the closure in a closed position; Fig. 4 is a plan of the closure, and Fig. 5 is a plan of a portion of the same.

The reference numeral 1 denotes a bottle neck, having the upper end thereof provided with a rim 2. Surrounding the bottle neck 1, below the rim 2, is a band 3, preferably made of metal and having the diametrically opposed sides thereof provided with notches or recesses 4. Extending into the mouth 5 of the bottle neck 1 is a spout 6 carried by a disk 7 mounted upon the upper end of the bottle neck. The spout 6 is surrounded by a resilient gasket or sleeve 8, preferably made of rubber and adapted to insure a non-leakable connection between the outer walls of the spout 6 and inner walls of the bottle neck. The spout 6 has a transverse web 9 providing two openings 10 in the disk 7, these openings being in communication with the spout 6 and the interior of the bottle neck. The web 9 has a central vertical pin 11, and rotatably mounted upon this pin is a circular shutter 12, forming openings 13 adapted to register with the openings 10. The shutter 12 revolves upon a gasket 14 surrounding the pin 10, between the disk 7 and the shutter 12, said gasket having openings 15 formed therein registering with the openings 10 and 13. The shutter 12 is retained upon the pin 11 by a washer 16 and a head 17, said head being formed by upsetting the upper end of the pin 11.

The diametrically opposed edges of the shutter 12 has outwardly extending lugs or arms 18 to facilitate rotating said shutter, and the edge of the shutter has a notch 19 adapted to register with a notch 20 of the disk 7 to determine when the shutter is open or closed. To retain the disk 7 upon the rim 2, said disk has two diametrically opposed vertical openings 21, and arranged in these openings are resilient arms 22. The upper ends of the arms 22 have heads 23 retaining the gasket 14 upon the disk 7, and the lower ends of the said arms are bent inwardly to engage in the notches or recesses 4 of the band 3. The arms 22 are easily sprung into engagement with the band 3 to retain the closure upon the bottle neck.

When the shutter 12 is rotated, whereby the notch 19 registers with the notch 20, the openings 10, 15, and 13 then aline and fluid can be poured from the bottle. When the shutter 12 is rotated a quarter of a revolution, the openings 13 are moved out of registration with the openings 10 and 15, and then the closure is in a closed position.

The closure can be made of light and durable, non-corrosive metal, and of various sizes for various kinds of receptacles.

What I claim is:

A closure for bottles comprising a disk mounted upon the top edge of a bottle neck, a spout integral with and depending from the disk into the bottle neck, the upper portion of said spout flaring outwardly, a gasket interposed between the throat of the bottle

and said spout to provide a seal, said gasket depending below said spout, a tapering web integral with and depending from the disk into said spout to provide the latter with a pair of passages, said web terminating at a point above the inner end of the spout, said disk provided with a pair of inclined openings communicating with said passages, said openings extending in opposite directions with respect to each other, a vertically disposed pin integral with the upper face of said disk centrally thereof, a gasket mounted upon said disk and provided with a pair of inclined openings communicating with the openings in the disk, a shutter mounted upon said gasket and surrounding said pin and provided with a pair of inclined openings capable of registering with the openings of the gasket when the shutter is shifted in one direction, means carried by said pin and engaging with the shutter for maintaining it in position, said shutter provided with diametrically opposed laterally extending lugs to facilitate the shifting thereof.

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

PHILLIPPS GERGELY.

Witnesses:

BALKER PAL,

BREPER MARTON.