

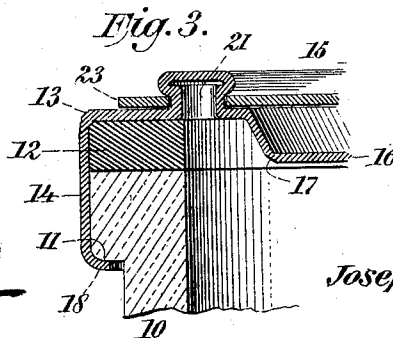
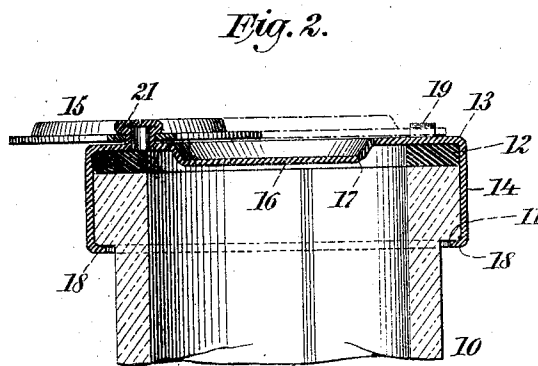
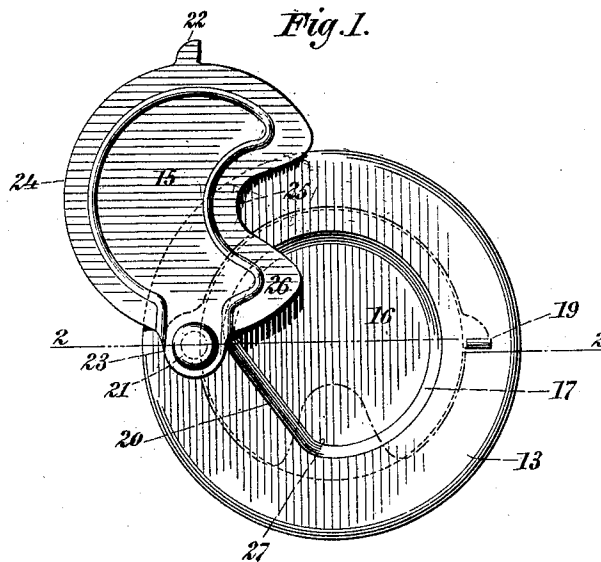
J. V. HULL.

CLOSURE FOR BOTTLES, JARS, AND OTHER RECEPTACLES.

APPLICATION FILED APR. 10, 1908. RENEWED JUNE 3, 1911.

1,013,394.

Patented Jan. 2, 1912.



WITNESSES:
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CLOSURE FOR BOTTLES, JARS, AND OTHER RECEPTACLES.

1,013,394.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Application filed April 10, 1908, Serial No. 426,330. Renewed June 3, 1911. Serial No. 631,184.

To all whom it may concern.

Be it known that I, JOSEPH VARLEY HULL, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Closures for Bottles, Jars, and other Receptacles, of which the following is a specification.

The invention relates to improvements in closures for bottles, jars and other receptacles; and it consists in the novel features and structure hereinafter described, and particularly pointed out in the claims.

The closure of my invention, in its preferred embodiment, comprises a yielding packing-ring or gasket placed on the upper edges of the receptacle, an integral cap applied on said gasket and over the mouth of the receptacle, and a lid pivoted to said cap and adapted to be turned from over the central portions of the same when desired, said cap having an encompassing depending flange adapted after the cap has been pressed downwardly upon the said gasket with considerable firmness, to be turned inwardly below and to engage an annular exterior shoulder on the neck of the receptacle, thereby to lock the cap in position with the gasket sufficiently compressed to afford a seal. The cap is formed in its top with a downwardly dishd or depressed portion whose bottom is connected with its side walls along a weakened line so that it may be readily cut out and removed, leaving an opening in said cap through which the contents of the receptacle may be exposed. The lid pivoted on the cap is provided to conveniently close, as far as may be desired, the opening left in the cap by the removal of its central depressed portion, and preferably said lid will be recessed at one edge to permit a small portion of said opening to remain uncovered, this construction enabling the handle of a mustard spoon or the like to project upwardly from the receptacle while the lid is in closed position.

The invention will be fully understood from the detailed description hereinafter presented, reference being had to the accompanying drawings, in which:

Figure 1 is a top of a jar equipped with a closure constructed in accordance with and embodying my invention, the pivoted lid of the closure being shown by solid lines in

an open position and by dotted lines in its closed position; Fig. 2 is a vertical section of the same on the dotted line 2—2 of Fig. 1; the jar being shown as partly broken away and the lid represented by dotted lines in its closed position, and Fig. 3 is an enlarged vertical section of one edge portion of the jar and closure, the section corresponding with that of Fig. 2, but Fig. 3 indicating the pivoted lid as having been turned to its closed position.

In the drawings, 10 designates a portion of a jar or receptacle having an exterior annular shoulder 11 encompassing its mouth, 12 a packing-ring or gasket on the upper edges of said jar or receptacle, and 13 the cap of my invention applied upon said gasket and over the mouth of said receptacle, said cap having an integral encompassing depending edge flange 14, a pivoted lid 15 and a downwardly dishd or depressed section 16 in its top, said section 16 along the line 17, where the bottom thereof joins the sides of the same being weakened or thinned, so that at the proper time said bottom may be cut out along said line and removed from the cap, thereby leaving an opening in the cap through which the contents of the receptacle may be exposed.

The receptacle 10 is not of unusual construction, and the gasket 12 may be of rubber or other yielding material capable of effecting a seal between the upper edges of the receptacle and the cap 13.

The cap 13 is in one integral piece of sheet metal, and when applied over the mouth of the receptacle and firmly pressed downwardly upon the gasket 12 has its lower edges turned inwardly, as at 18, below and to engage the shoulder 11 on said receptacle, said cap being thereby secured on the receptacle with the gasket 12 held compressed between said cap and the upper edges of the receptacle.

The top of the cap 13 has a shoulder or stop 19 pressed upwardly at one edge thereof and at its central portions is depressed to form the section 16, which may be of any suitable outline but preferably that shown in Fig. 1, in which the section 16 is illustrated as being circular except at one edge where it is straight. Along the line 17 at the juncture of the bottom and sides of the depressed section 16 the metal is thinned or

weakened, so that the user of the receptacle may cut said bottom out and thereby leave a permanent opening in the cap.

Upon the cap 13 is pivotally secured on a vertical stud 21 the lid 15, which may be opened and closed at will. The lid 15 will preferably be formed of sheet metal and has at one edge a finger 22 to engage the stop 19 for arresting said lid when reaching its closed position, while at the opposite edge of said lid the latter is formed with a tongue 23 containing an aperture to be passed downwardly upon the stud 21, the upper end of which is then flattened or headed to confine the lid in place. The stud 21 is an integral tubular post pressed upwardly from the metal of the cap 13 and hence creates no joints through which leakage could possibly occur. The lid 15 will be of a size and outline consistent with its purposes and the size and outline of the opening in the cap 13 it is intended to cover, and preferably said lid will on one side edge possess a circular outline, as at 24, and at its other side edge be formed with a concave recess 25 and tongue portion 26 having convex edges, said tongue 26 being adjacent to the pivot-stud 21. When the lid 15 of the formation shown is in closed position its recess 25 leaves a portion of the opening in the cap 13 uncovered (at the point or corner 27) and this is for the purpose of enabling, while the lid is in closed position, the handle of a mustard spoon or the like to project upwardly from the receptacle. In use, should the handle of the spoon be left against the circular edges of the opening in the cap it will, on the closing of the lid 15, be caught in the recess 25 and moved to the corner 27, and should said handle be left against the straight edge 20 of said opening it will, on the closing of the lid 15, be engaged by the outer convex side edge of the tongue portion 26 and forced along said edge 20 to a point where it will become encompassed by said recess 25, the projecting handle of a spoon, fork or the like thus not interfering with the closing movement of the lid 15. The pivot-stud 21 of the lid is adjacent to one end of the straight edge 20 of the opening in the cap and this fact enables the tongue member 26 to move the spoon-handle along said edge to the corner 27.

The cap 13 is left in its integral condition until the receptacle is in the hands of the consumer and it is desired to open the same, then the bottom of the depressed section 16 is removed and the lid 15 utilized as a hinged or pivoted cover for the opening thus formed in the cap. It is advantageous

to have the removable section of the cap depressed, since the side walls of the depressed portion serve to guide a knife in severing the said section and in avoiding such accidents as might occur from the slippage of the knife if the top of the cap were flat.

What I claim as my invention and desire to secure by Letters Patent, is:

1. In combination with a receptacle having an exterior annular shoulder about its mouth, a closure therefor comprising an integral metal cap having at its edge a depending flange engaged with said shoulder for securing the cap and at its top a depressed section whose bottom is defined by a weakened line and to be removed when desired, a packing for sealing the cap, and a lid pivoted on the cap, said packing being compressed between the upper edge of the receptacle and said cap and the lower edge of said flange being projected inwardly and in firm engagement with said shoulder; substantially as set forth.

2. In combination with a receptacle having an exterior annular shoulder about its mouth, a closure therefor comprising an integral metal cap having at its edge a depending flange engaged with said shoulder for securing the cap and at its top a section defined by a weakened line and to be removed when desired, a packing for sealing the cap, and a lid pivoted on the cap, said removable section having a substantially circular edge outline at one side and a straight edge outline at the other side and when removed leaving in the cap an opening having a substantially circular edge at one side and a straight edge 20 at the other side, and said lid being pivoted to the cap adjacent to the straight edge 20 of said opening thus to be formed and having at one side edge a circular outline 24 and at its other side edge a concave recess 25 and tongue portion 26 having convex edges, said tongue being adjacent to the pivoted portion of the lid for cooperation with the straight edge 20 of said opening for moving the handle of a spoon left standing against said edge to one end thereof, and said recess 25 being adapted to engage such handle should it be left against the circular edge of said opening and move it to said end of said straight edge; substantially as set forth.

Signed at New York city, in the county of New York and State of New York, this 9th day of April A. D. 1903.

JOSEPH VARLEY HULL.

Witnesses:

ARTHUR MARION,
CHAS. C. GILL.