C. S. BARON.

JUG TOP OR COVER.

APPLICATION FILED JAN. 2, 1912.

1,195,434. Patented Aug. 22, 1916.

Fig. 1.

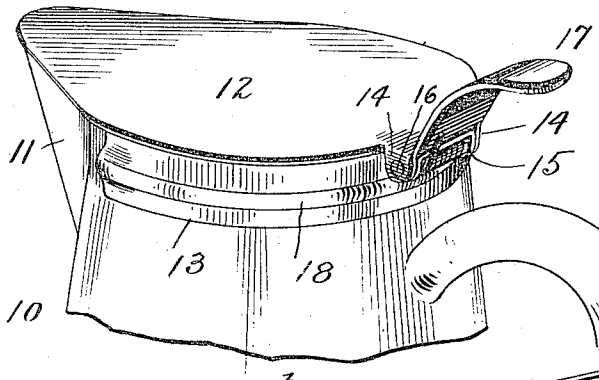


Fig. 4.

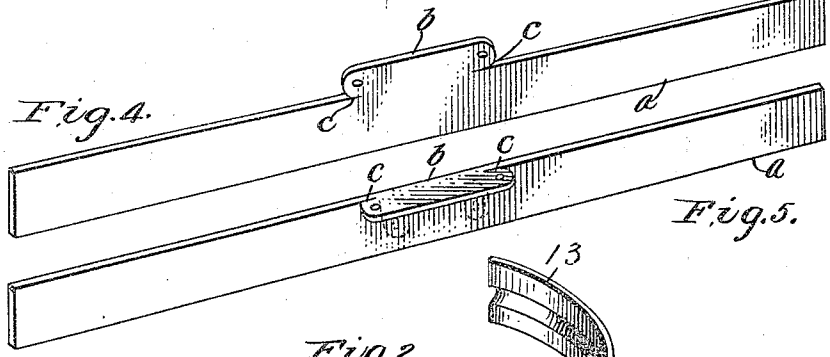


Fig. 5.

Fig. 2.

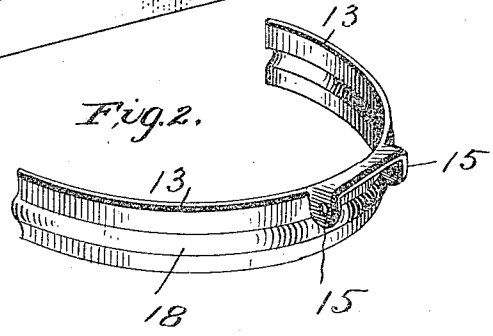
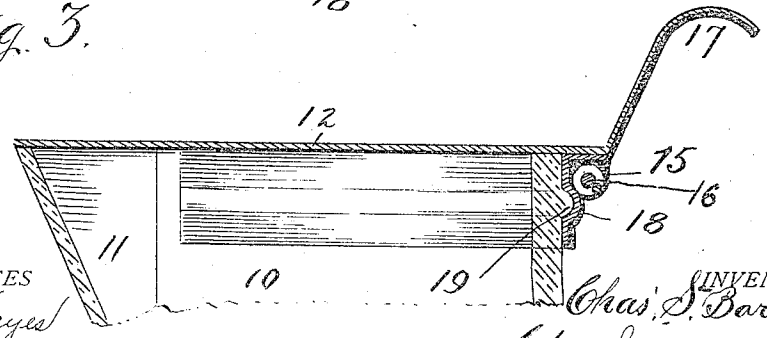


Fig. 3.



WITNESSES

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JUG TOP OR COVER.

1,195,434. Specification of Letters Patent. Patented Aug. 22, 1916.

Application filed January 2, 1912. Serial No. 668,932.

To all whom it may concern:

Be it known that I, CHARLES S. BARON, of Tiffin, in the county of Seneca, and in the State of Ohio, have invented a certain new and useful Improvement in Jug Tops or Covers, and do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to jugs or pitchers for molasses or syrup, which are made of glass, and more particularly to the top or cover thereof.

The pitcher top or cover is comprised of a stationary and spring actuated hinge part, the stationary part having the form of a partial ring or band that partly encircles the top of the pitcher and grips the same and thereby secures the lid or top to the pitcher, sheet metal being employed having enough spring or resiliency to cause it to grip the pitcher top with sufficient force to effect the object stated.

My present invention relates to the construction or formation of this gripping band, and more particularly to the hinge member thereof by which the pivotal connection of the top or cover is provided, all as is hereinafter more fully set forth.

In the accompanying drawings Figure 1 is a perspective view of enough of a syrup or molasses pitcher to illustrate one embodiment of my invention; Fig. 2 is a similar view of the same embodiment of the members of the top or cover separated from each other; Fig. 3 a vertical section of the construction shown in Fig. 1; Fig. 4 a perspective view of the partially completed blank of which the gripping band or wing is made; Fig. 5 is a similar view showing the blank after being subjected to further treatment.

The pitcher or jug 10, shown, is the usual construction of glass having a pouring nozzle or spout 11 and the cover or top is of sheet metal comprising a lid member 12 having a contour corresponding to the shape of the top of the jug with its spout so as to completely cover the same, and a segment shaped band 13 also from sheet metal that is something more than a half circle in extent, which, before its application to the jug is slightly less in diameter than the top thereof so that when forced thereon it will exert sufficient pressure to remain on the jug and to hold the lid 12 in position. At a point midway between the extremities of the gripping band, the lid 12 is hinged thereto by means of a pair of perforated projecting ears 14 on the lid, and a pair of perforated ears 15 on the band through the alining holes of which ears a pivot pin 16 is passed and upon the pin between the ears 15 is placed a coil spring, one end of which bears against the band 13 and the other end of which bears against the handle piece 17 of the lid so that the spring acts normally to hold the lid in a closed position.

In my experience where the hinge connection between the lid and the band has existed heretofore, the hinge ears or lugs on the band have been invariably formed by punching out the metal to constitute the same from the stock forming the band, with the result that the gripping band is substantially weakened in strength, and weakened at the very point where it needs strength or stiffness, that is to say, the point intermediate the ends of the band or wings, as they are sometimes termed, which being subjected to an outwardly expanding strain or pressure tend to break at the point where there is the least resistance, that is the point where there is the least metal. By my construction, as will presently appear, the formation of the hinge lugs or ears on the gripping band, instead of reducing the strength of the band, in fact increases it at the point where strength and stiffness are most desired, such point being the fulcrum of the oppositely extending wings. The flange *b* being situated in the finished article so that edgewise it is at right angles to the side plane of the band 13, and thus lies in the same, or a parallel plane with the direction of curvature of the band, materially stiffens the band at its point of greatest strain when the free ends thereof are sprung outward in the act of applying the band to, or removing it from the jug.

The blank from which my gripping band is made, exists first in the form of a strip *a* of sheet metal (see Fig. 4) having at midlength on one edge a straight narrow offset, or flange *b*, a cut or slit *c* extending from each end of said offset inward for a distance corresponding with the length of each hinge lug or ear 15. The offset, or flange *b*, is bent from a plane parallel with the strip *a* to one at right angles thereto, on what is the outer side of the gripping band, and each hinge ear forming end portion of said flange is bent downward at right an-

gles thereto contiguous to what is the outer side of the finished gripping band. It will, thus, be seen not only do I take no metal out of the body of the strip which has a very weakening effect, but besides avoiding diminishing its strength I actually add to its strength and to its stiffness by the formation of the hinge lugs in the manner described. Where, as I prefer, the gripping band is provided with a longitudinally extending concavo-convex corrugation or bead 18 to engage a rib or projection 19 on the neck of the jar, my manner of forming the hinge lugs is of special importance, because, since the effect of the bead is to stiffen the wings, it will be evident that if at mid-length the metal is cut away, as heretofore, the increased stiffness, due to the presence of the bead, increases the liability to breakage. While I prefer the construction employing the bead, I, however, do not limit myself to the same.

The construction of the band with the corrugation 18 is not specifically claimed herein since it is the subject of my application No. 677,425, filed February 14, 1912.

Having thus described my invention what I claim is—

In a cap or cover of the class described, the combination of a segment shaped jar engaging band, having intermediate its ends an outwardly projecting offset from the top edge and lying in the plane of the top edge, and hinge-forming ears bent at right angles from the opposite edges of said offset and projecting alongside of and overlying the band, said band having a longitudinally extending bead formed by offsetting the metal of the band, and a lid pivoted to said hinge-forming ears.

In testimony that I claim the foregoing I have hereunto set my hand.

CHARLES S. BARON.

Witnesses:

CHARLES H. BERLEKAMP,

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