

No. 888,995.

PATENTED MAY 26, 1908.

E. J. GODMAN.
BOTTLE SEALING CAP.
APPLICATION FILED SEPT. 13, 1907.

Fig. 1.

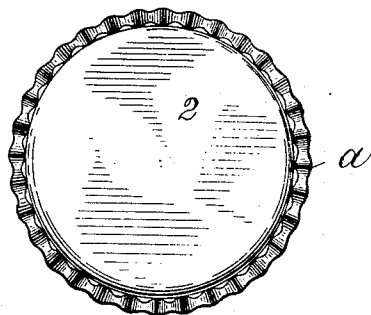


Fig. 2.

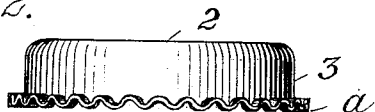
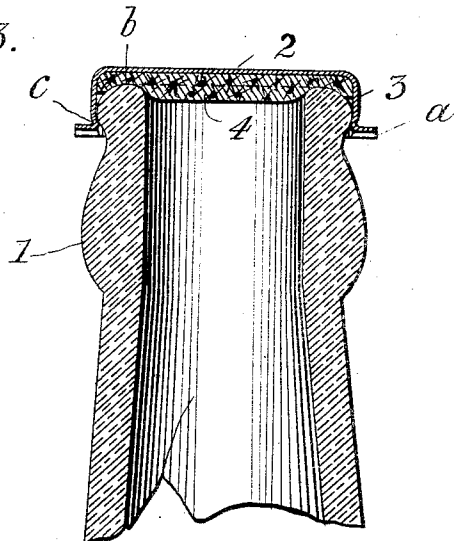


Fig. 3.



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EMORY J. GODMAN, OF JERSEY CITY, NEW JERSEY, ASSIGNOR TO STERLING SEAL COMPANY,
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BOTTLE-SEALING CAP.

No. 888,995.

Specification of Letters Patent.

Patented May 26, 1908.

Application filed September 13, 1907. Serial No. 392,702.

To all whom it may concern:

Be it known that I, EMORY J. GODMAN, of Jersey City, in the county of Hudson and State of New Jersey, have invented certain
5 Improvements in Bottle-Sealing Caps, of which the following is a specification.

This invention relates to certain improvements in a bottle sealing cap which embraces in its construction, a crown, a pendent skirt
10 and a joint forming gasket, as will hereinafter fully appear.

It is a common practice in the manufacture of bottle sealing caps, to stiffen the edge of the skirt by beading or corrugation, and in
15 the sealing operation to contract in diameter the stiffened edge, in order that it may engage with the shoulder of the bottle head. In such practice, the stiffening of the edge of the skirt makes it necessary to employ considerable power in the cap-affixing operation,
20 due to the increase in area of cross section of the edge of the skirt; and in the reduction in diameter of the stiffened edge, its projection beyond the bottle neck is consequently reduced and does not therefore afford as pronounced a surface for engagement with the
25 ordinary uncapping tool, as would be the case if the original diameter of the stiffened edge were maintained.

My invention as hereinafter more particularly described, consists in providing the edge of the skirt of the sealing cap with a flat horizontally-extending corrugated flange, and in the sealing operation, indenting the
30 skirt at a point above and independently of the flange so as to bring the inner surface of the skirt at that point slightly under and in contact with the shoulder of the bottle head. By this means, the stiffened flange is not disturbed, but maintains its original diameter
35 and furnishes a flat corrugated surface with which the uncapping tool will engage without slipping therefrom, in the act of opening the bottle.

In the further description of the said invention which follows, reference is made to the accompanying drawing forming a part hereof, and in which,—

Figure 1 is a top view of the improved sealing cap, and Fig. 2 an exterior edge view of
45 the same. Fig. 3 is a sectional view showing the cap as secured to a bottle head.

Referring now to the drawing, 1 is the bottle head, and 2 the crown of the sealing cap. The skirt of the cap is denoted by 3, and the
50 corrugated flange of the cap by *a*.

4 represents the joint-forming gasket which is compressed between the lip *b* of the bottle head and the inner surface of the crown 2.

The indentation of the skirt above the
55 flange *a* is denoted by *c* and it is immaterial whether it is continuous, or consists of a multiplicity of depressions which are nearly in contact with each other.

In securing the cap to a bottle head the cap
60 is placed in position over the bottle, and while downward pressure is applied to the crown to compress the joint-forming gasket, the indentation *c* is effected by suitable mechanical appliances.
65

I claim as my invention:—

In combination with a bottle head having an annular shoulder, a sealing cap which consists in a crown, and a cylindrical skirt which is provided with a horizontally-extending
70 exterior corrugated flange, the skirt of the cap independently of the flange, being reduced in diameter by indentation where the same is below and adapted to engage the shoulder of the bottle head, substantially as and for the
75 purpose specified.

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