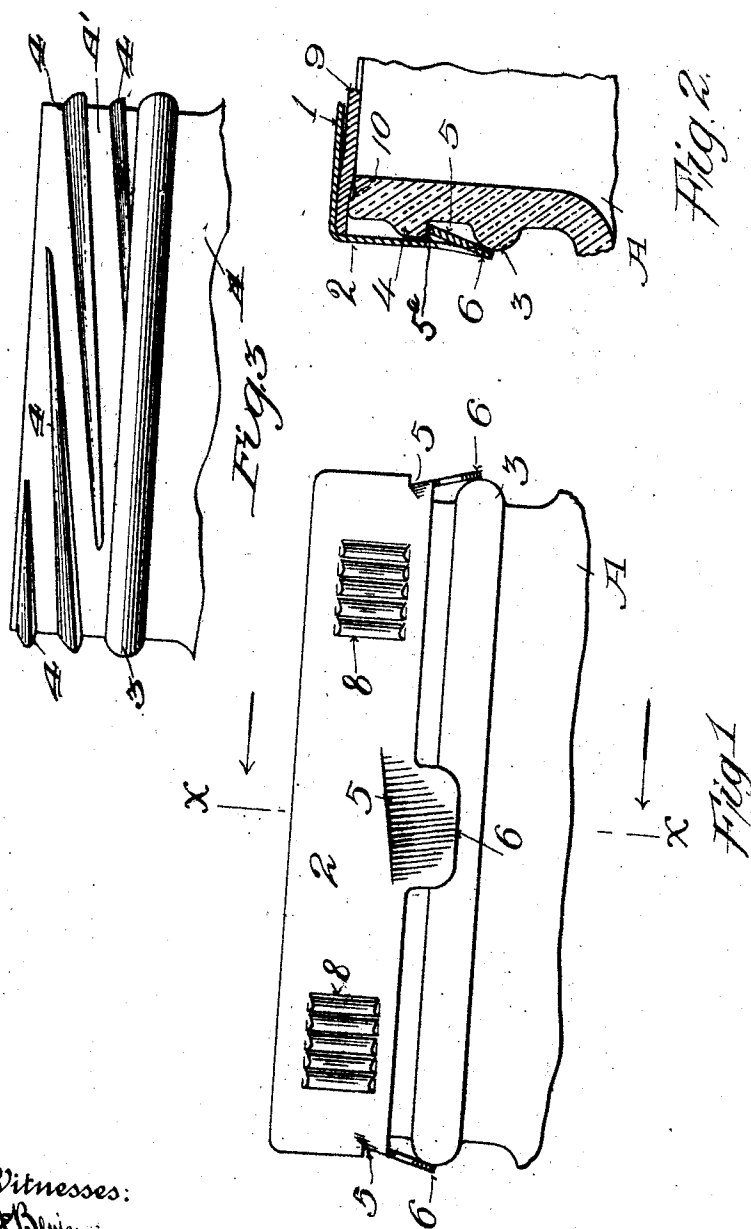


1,062,820.

H. R. COREY.
BOTTLE CAP.
APPLICATION FILED AUG. 14, 1911.

Patented May 27, 1913.



Witnesses:
John B. [Signature]
Charles J. [Signature]

Inventor
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By his Attorney
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UNITED STATES PATENT OFFICE.

HARRY R. COREY, OF NEW YORK, N. Y., ASSIGNOR TO AMERICAN STOPPER COMPANY,
OF BROOKLYN, NEW YORK, A CORPORATION OF NEW JERSEY.

BOTTLE-CAP.

1,062,820.

Specification of Letters Patent.

Patented May 27, 1913.

Application filed August 14, 1911. Serial No. 642,855.

To all whom it may concern:

Be it known that I, HARRY R. COREY, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, county of Kings, and State of New York, have invented a new and useful Improvement in Bottle-Caps, of which the following is a specification.

The object of my invention is to provide a device of this class which will securely close and seal the bottle to which it is attached and yet permit either a ready removal or implantation in position. This object is accomplished by my invention one embodiment of which is hereinafter set forth.

For a more particular description thereof, reference is to be had to the accompanying drawings, forming a part hereof, in which;

Figure 1 is a side elevation of a top of a bottle or jar provided with my improved cap. Fig. 2 is a sectional view taken on line *x-x* of Fig. 1, looking in the direction of the arrows. Fig. 3 is an elevation of the jar neck.

Throughout the various views of the drawings, similar reference characters designate similar parts.

My improved cap comprises a top 1 and pendant band or flange 2. It may be advantageously applied to a bottle or jar A, the neck of which has exteriorly formed inclined engaging threads 4 or otherwise suitably constructed cap engaging means. Below the threads 4 is a circumferential annular bead 3 which preferably has a rounded surface as shown in cross-section in Fig. 2. To provide means for engaging the cap with the threads 4 lugs 5 are formed by transversely slitting the band 2, the slit being slightly inclined to meet the inclination of the threads 4, the lugs 5 have their operative or engaging portions 5^a extending inwardly so as to engage the lower surface of the threads.

At 6 are spring tabs or lips which depend from the band 2 and which are placed at intervals preferably between the roughened grips 8. It will be noted that the forcing in of the metal of the band 2 in order to

form the lugs 5 causes a portion of the metal of the tabs or lips 6 to be forced inwardly, whereby the lugs are formed partly in the band and partly in the tabs. The novel feature of this construction is that the lugs 5 are adjacent to and cooperate with the spring tabs or lips 6, so that both elements will cooperate together to guide and seat the cap on the bottle or jar and to retain the cap in place against inadvertent release by reason of the forcible or frictional engagement of the lips or tabs 6 with the bead 3 over which the tabs or lips move, while the cap is being forced downwardly in position and which are gradually expanded by the expanding surface of the bead, thereby retaining the cap in place and causing the lugs 5 to more forcibly engage the threads 4. The cap 1 is also provided with a suitable packing 9 which presses against an annular portion 10 at the top of the bottle 2 whereby a tight seal is effected. The cap is preferably made of sheet metal, and the construction allows very thin metal to be used.

What I claim is:

1. The combination with a bottle or jar having a threaded neck and an annular encircling bead tread below the said threads, a sheet metal cap having a top portion and pendent band, tabs extending from said band adapted to engage the bead on the bottle neck, and lugs integral with said band engaging said threaded neck, and located in line with said band tabs.

2. The combination with a bottle or jar having a threaded neck and an annular encircling bead, a sheet metal cap having a top portion and a peripheral band, tabs integral with said band and depending from the lower edge thereof, inwardly extending lugs integral with said band and adjacent the tabs and cooperating therewith for engagement with said threaded neck, the tabs below said lugs serving to resiliently engage said bead, and the tabs being bendable outwardly to permit this engagement of their respective lugs from said threaded neck.

3. The combination with a bottle or jar having a neck with inclined threads and an annular encircling bead, projecting below

said threads, a sheet metal cap having a top portion and pendent band, tabs extending from said band adapted to engage the bead on the bottle neck, and inclined lugs adapted to engage said inclined threads and having operative or engaging portions in line with said tabs.

Signed at the city of New York, county of Kings, State of New York, this 11th day of August 1911.

HARRY R. COREY.

Witnesses:

J. L. CANNOLD,
GEO. W. BROADHURST.