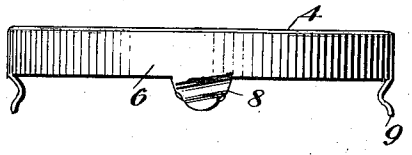
O. A. J. BECHER.

BOTTLE AND JAR CLOSURE.

APPLICATION FILED FEB. 6, 1914.

1,140,103. Patented May 18, 1915.

Fig. 1.



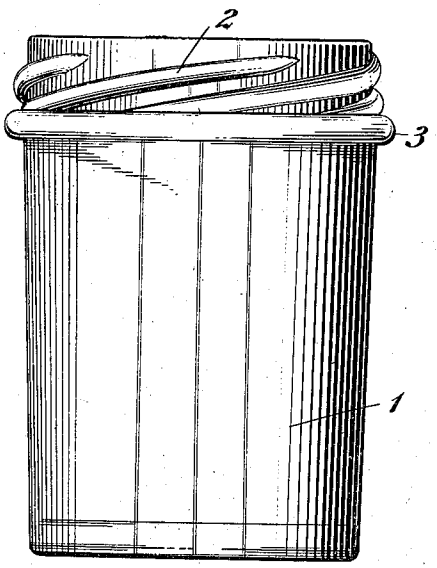


Fig. 2.

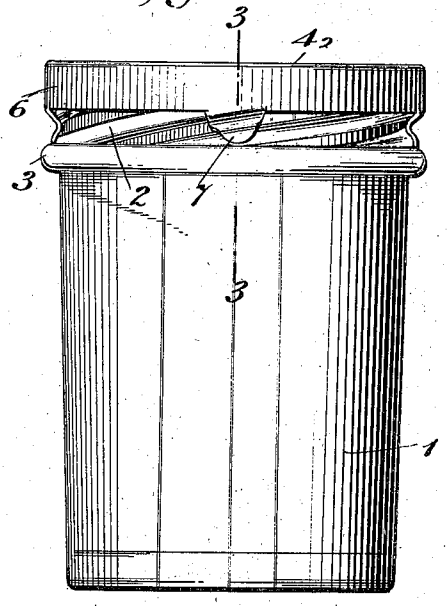


Fig. 3.

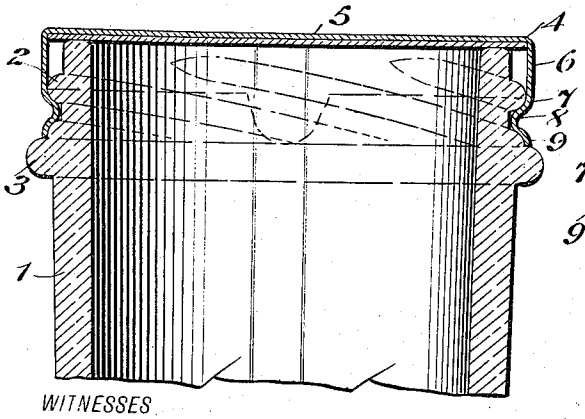
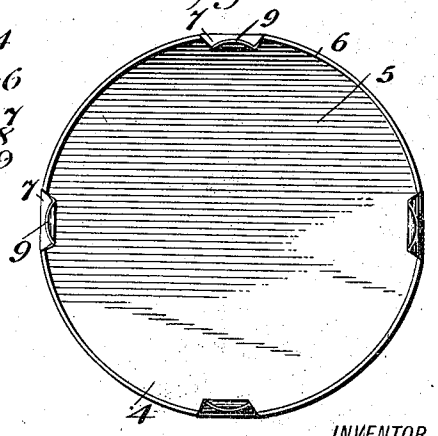


Fig. 4.



WITNESSES

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BOTTLE AND JAR CLOSURE.

1,140,103. Specification of Letters Patent. Patented May 18, 1915.

Application filed February 6, 1914. Serial No. 816,908.

To all whom it may concern:

Be it known that I, OTTO A. J. BECHER, a citizen of the United States, and a resident of Copiague, in the county of Suffolk and State of New York, have invented a new and Improved Bottle and Jar Closure.

This invention relates to improvements in closures, and particularly to closures for bottles, jars and the like, and has for an object to provide an improved structure which may be quickly applied and removed.

Another object of the invention is to provide an improved cap or closure for a bottle or jar with a plurality of bent projections acting as threads for engaging and co-acting with the threads on the bottle or jar.

In carrying out the object of the invention the cap is cut out in the usual manner from sheet metal, and also bent in the usual manner, and of substantially the usual shape. However, in the cutting and bending a number of projections are provided, and each of these projections are bent or formed so as to act as mutilated threads. These threads co-act with corresponding threads on the bottle or jar so that the cap may be held properly in place.

In the accompanying drawings—Figure 1 shows a side view of a jar and cap, the cap being slightly separated; Fig. 2 is a side view of a jar and cap assembled; Fig. 3 is a section through Fig. 2 approximately on line 3—3; and Fig. 4 is a bottom plan view of the cap shown in Fig. 1.

Referring to the accompanying drawings by numeral, 1 indicates a jar or bottle of any desired kind provided with a plurality of threads 2 at the upper end. Arranged adjacent threads 2 is an annular bead 3 which may be provided or omitted, as desired. Associated with bottle 1 is a cap 4 which is provided with a top 5 and a turned-down side 6. Extending from the turned-down side 6 are a plurality of extensions 7, there being one extension for each of the threads 2. The extensions 7 are creased or formed so as to present threads 8 which co-act with threads 2. As the members 7 are spaced apart the threads or creased portions 8 act on the order of mutilated threads, but properly engage the threads 2. By providing a comparatively large number of members 7 and threads 2 only a part of a rotation is necessary to properly fit cap 4 on to the jar 1, as shown in Fig. 2. As shown in Fig. 2 it will be observed that the threaded or creased portion 8 fits between two threads and the extension 9 of member 7 overlaps the lower thread when the cap is properly tightened.

From Fig. 4 it will be noted that the extensions 7 extend inwardly and resiliently resist being placed upon the jar 1, whereby there is a continual tension between the extensions and the jar when the lid is in place, as shown in Fig. 3. It is of course understood that extensions 7 are of resilient material as the end cap may be made of any desired kind of metal. The resilient action of these members prevents any jarring or jolting loose of the cap during transportation. As shown more clearly in Fig. 4 the extension 9 projects outwardly so as to allow the extensions 7 to be spread in order that the same may fit over the top of the jar and properly engage the threads 2.

What I claim is—

A cap for bottles and jars having a circumferential flange provided with spaced depending lugs, each of which lugs has an intermediate corrugation extending transversely of and entirely across the same below the lower edge of the flange, said corrugation being of uniform width throughout and having its ends opening at the side edges of the respective lug, and each of which lugs has a free end below its corrugation, the said lugs having their lateral resilience unimpaired by the corrugations, whereby such resilience may be utilized within limits to permit the fitting of the cap to bottle and jar necks slightly varying in size.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

OTTO A. J. BECHER.

Witnesses:
HENRY C. SCHMALKUCHE,
FRED W. BECHER.