No. 834,906. PATENTED NOV. 6, 1906.

J. HERMANN.

BOTTLE SEAL.

APPLICATION FILED MAY 3, 1906.

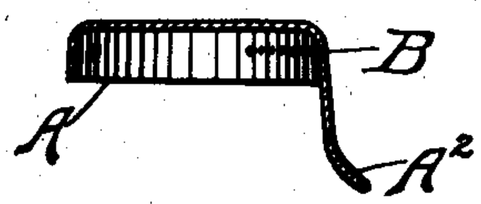


Fig. 1

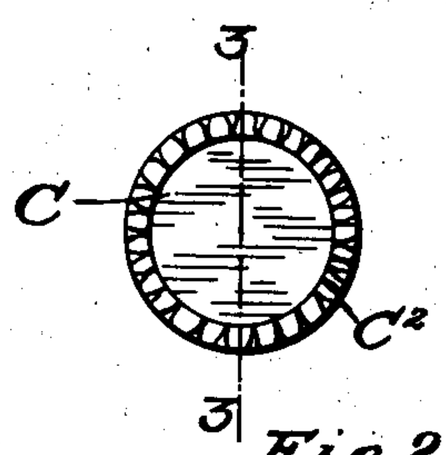


Fig. 2

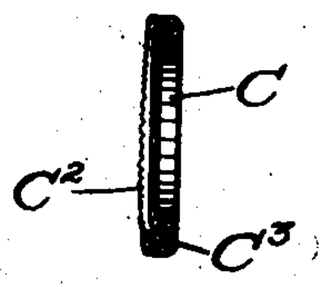


Fig. 3

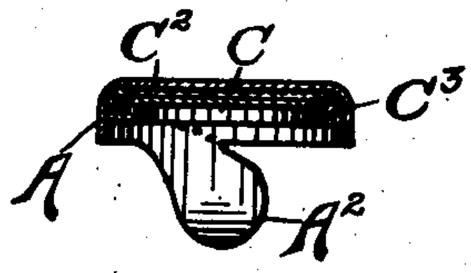


Fig. 4

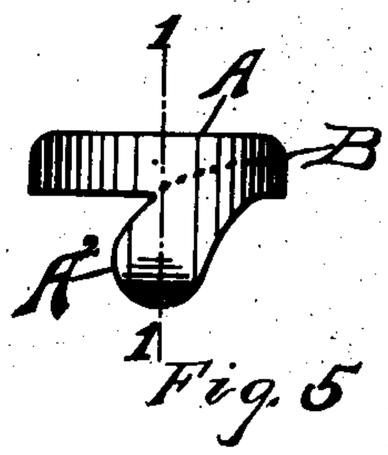


Fig. 5

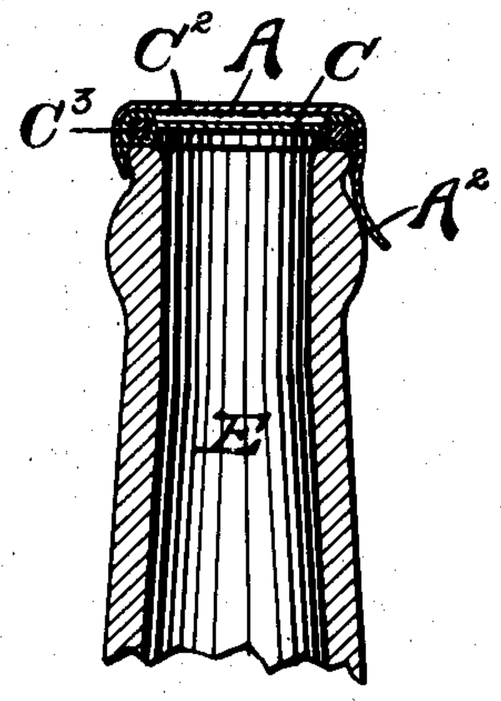


Fig. 6

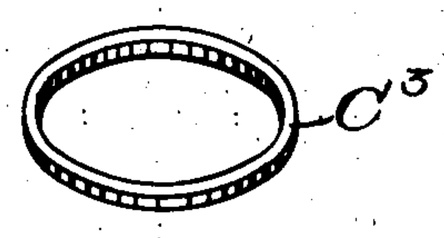


Fig. 7

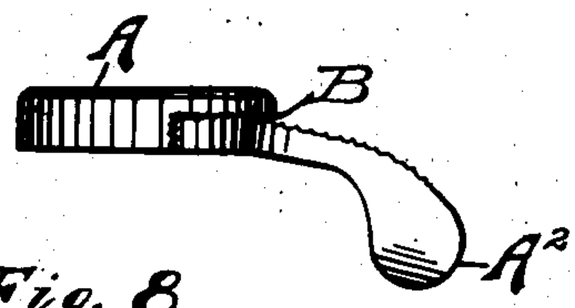


Fig. 8

Witnesses
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# UNITED STATES PATENT OFFICE.

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## BOTTLE-SEAL.

No. 834,906. Specification of Letters Patent. Patented Nov. 6, 1906.

Application filed May 3, 1906. Serial No. 314,935.

*To all whom it may concern:*

Be it known that I, JACOB HERMANN, a citizen of the United States of America, and a resident of 861 Hutchins avenue, in the city of Cincinnati, county of Hamilton, and State of Ohio, (whose post-office address is 601 Vine street, in the city of Cincinnati, county of Hamilton, and State of Ohio,) have invented an Improvement in Bottle-Seals; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to bottle-seals; and it has for its object the improvement in the construction of such devices whereby they are simplified and rendered more efficient in action.

The novelty of my invention consists in the combination and subcombination of the parts, as will be hereinafter set forth, and specifically pointed out in the claims.

In the drawings, Figure 1 is a section on line 1 1 of Fig. 5 of the outside cap of my bottle-seal. Fig. 2 is an end view of Fig. 3. Fig. 3 is a section on line 3 3 of Fig. 2. Fig. 4 is a transverse section of my bottle-seal before it is placed on a bottle. Fig. 5 is an elevation showing the outside of the cap and the perforations where the cap is to be torn when the bottle is opened. Fig. 6 is a vertical section through a bottle with cap and seal in place. Fig. 7 is an isometric view of the rubber band used in my seal to make a joint. Fig. 8 is an elevation of the cap, showing how the cap is torn through the perforations to remove it from the bottle.

Similar letters of reference indicate like parts throughout the several drawings.

A represents the metallic cap, which can be made of any material suitable for the purpose.

B shows the perforations in the cap to facilitate the tearing off of the cap when the bottle on which the cap is placed is to be opened.

C is the washer, which is placed inside of the cap A to make an air-tight joint when the cap is crimped onto a bottle. This washer C is made up of two pieces or parts. The outer part $C^2$ is made of a soft thin metal, preferably of block-tin, and the inner part $C^3$ is made of a rubber band.

To aid in opening a bottle, the cap A has a lip $A^2$ extending down on one side.

In Fig. 6, E represents the top and a portion of the neck of a bottle.

The operation of my bottle-seal is as follows: The washer C is placed in the cap A. The cap is placed on the top of a bottle and by means of suitable mechanism clamped onto the top of the bottle, as shown in Fig. 6.

Having described my invention, what I claim is—

1. A bottle-closure comprising a cap, and a two-part washer within the cap embodying an interior rubber band and a soft thin metal envelop entirely inclosing the rubber band.

2. The combination with a metallic retaining-cap having a lip, of a washer embodying an inner member of yielding material and an envelop of soft thin metal entirely inclosing the inner member.

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