No. 767,576. PATENTED AUG. 16, 1904.

P. H. A. LEDER.

JAR OR BOTTLE CLOSURE.

APPLICATION FILED JULY 14, 1903.

NO MODEL.

Fig. 1.

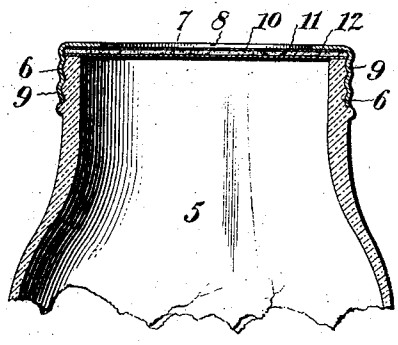


Fig. 2.

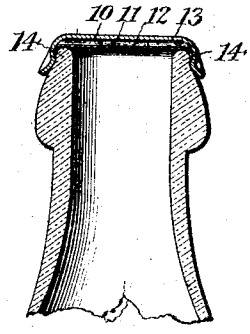
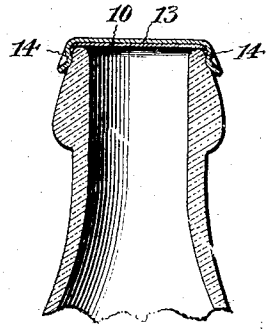


Fig. 3.



Witnesses:
B. F. Ober.
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No. 767,576. Patented August 16, 1904.

UNITED STATES PATENT OFFICE.

PAUL H. A. LEDER, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF TO BERNHARD FERDINAND SCHUBERT, OF WASHINGTON, DISTRICT OF COLUMBIA.

JAR OR BOTTLE CLOSURE.

SPECIFICATION forming part of Letters Patent No. 767,576, dated August 16, 1904.

Application filed July 14, 1903. Serial No. 165,480. (No model.)

To all whom it may concern:

Be it known that I, PAUL H. A. LEDER, a subject of the German Emperor, residing in the city of Baltimore, State of Maryland, have invented certain new and useful Improvements in Jar or Bottle Closures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

My invention relates to jar or bottle closures, and more particularly to the washers used in the caps of jar or bottle closures, and has for its object to provide such a sealing member that will not only fit tight between the lip of the jar or bottle and the cap, but will also be proof against corrosion.

Referring to the drawings, in which like parts are similarly designated, Figures 1 and 2 are fragmentary sections of a jar and bottle, respectively, with my improved closure; and Fig. 3 shows a modification.

Referring more particularly to Fig. 1, 5 is the body of the jar having a threaded portion 6, on which screws a cap or securing member 7, here shown as having a central opening 8 and a threaded flange 9, taking on the threaded portion 6 of the jar. Immediately next to the cap or securing member 7 is placed a thin sheet of mica 10, then a yielding pad 11, which may be a thin sheet of cork, asbestos, paper, or the like, which may be made water proof in any desired manner, as by paraffin, oil, and the like. Immediately beneath this compressible pad is another thin sheet of mica 12. When the securing member 7 is tightly screwed in place, the pressure compresses the composite sealing member sufficiently to cause a fluid-tight closure.

In Fig. 2 I have shown a crimped cap or sealing member 13, between which and the lip of the bottle 14 is placed a mica disk 10 and one 12, and between these disks a yielding pad 11. I may dispense with the yielding pad and one of the mica sheets and use only a single sheet as a sealing member, as shown in Fig. 3.

Mica has the decided advantage of not being attacked by any food product or beverage, and when the sheets are thin they fully adapt themselves to the conformation of the lips of the vessels.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. In a jar or bottle closure, the combination with the securing member and the lip of the bottle or jar, of a sealing member comprising two sheets of mica and a compressible pad between them, substantially as described.

2. In a jar or bottle closure, the combination with the securing member and the lip of the jar or bottle, of a sealing member comprising two sheets of mica and an asbestos sheet between them, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

PAUL H. A. LEDER.

Witnesses:
N. F. BURKE,
S. E. PENTZ.