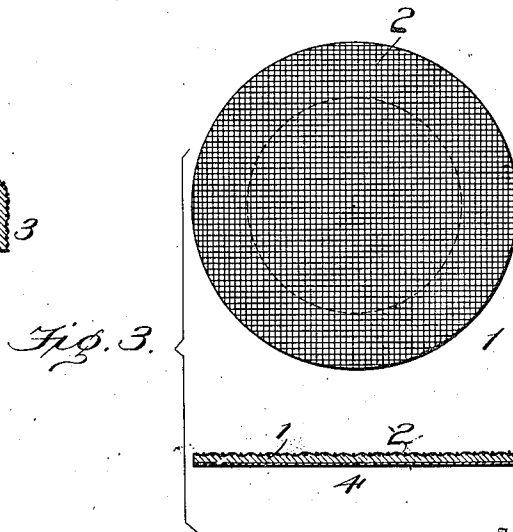
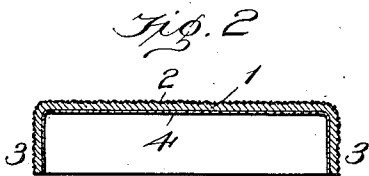
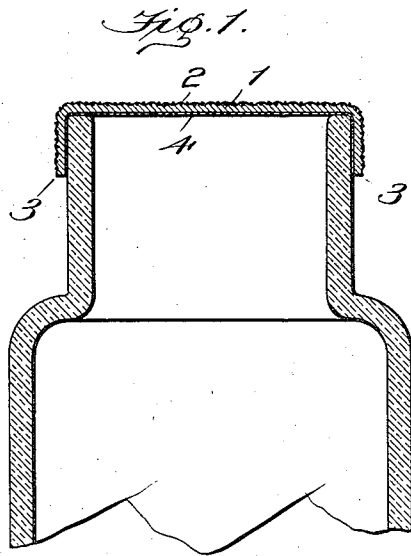


No. 843,845.

PATENTED FEB. 12, 1907.

G. T. REED.
SEALING CLOSURE FOR VESSELS.
APPLICATION FILED JUNE 30, 1906.



Witnesses

Edwin L. Bradford
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By

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UNITED STATES PATENT OFFICE.

GEORGE T. REED, OF BALTIMORE, MARYLAND, ASSIGNOR TO CONTINENTAL JAR AND BOTTLE STOPPER COMPANY, OF BALTIMORE, MARYLAND, A CORPORATION OF WEST VIRGINIA.

SEALING CLOSURE FOR VESSELS.

No. 843,845.

Specification of Letters Patent.

Patented Feb. 12, 1907.

Original application filed November 13, 1905, Serial No. 287,138. Divided and this application filed June 30, 1906.

Serial No. 324,184.

To all whom it may concern:

Be it known that I, GEORGE THORN REED, a citizen of the United States, residing at the city of Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Sealing-Closure for Vessels; 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.

For sealing jars, bottles, and jelly-glasses I have produced a two-ply or double-walled closure-cap composed of two separate and distinct layers or sheets of different materials, one of wire-cloth and the other flexible and adhesive, as a fiber lining, both united together by pressure at one and the same operation, causing the wire-cloth to be embedded in the surface of the adhesive fiber, making it thereby a laminated sealing-cap.

The accompanying drawings illustrate my invention, and in connection therewith I will point out in the appended claim that which is new in the closure-sealing device.

Referring to these drawings, Figure 1 shows in vertical section the neck of a jar with my wire-cloth two-ply cap or closure applied thereto. Fig. 2 shows the wire-cloth cap in vertical section. Fig. 3 shows in section the blanks for the fiber and the wire-cloth layers from which the cap is formed, together with a top view of the same.

The fiber layer is preferably made of wood treated in pulp form to render it sanitary and with paraffin-wax to render it adhesive, making it proof against moisture and acids and giving it compactness. The fiber thus prepared in sheet form is, with a sheet of wire-cloth, united under pressure into cup form, the wire-cloth being outside and producing thereby a two-ply cap-closure of fiber 1 and wire-cloth 2, both of the same area and forming at the same pressing opera-

tion a band or rim 3, with the fiber forming a lining covering the entire inner wall of the wire-cloth and causing the lining to stick to every part and penetrate the mesh of the cloth, thus thoroughly uniting the layers and causing the band of the cap to act with a yielding cushioning effect when it is placed on the vessel to be sealed.

The fiber is preferably produced in a semi-plastic state and cut in strips the width of the blank needed, which are then coated on both sides with paraffin-wax and after being laminated with the wire-cloth is treated on its inner fiber walls with one or more coats of pure paraffin-wax 4, thus causing the cap to adhere to the walls of the vessel to seal it, making it air-tight and adhesive, holding it against the pressure of the gases or contents, rendering it impervious to air or moisture, and prevents the contamination of the contents. The cap may be easily and quickly removed without impairing its efficiency as a seal, so that it may be used indefinitely with the vessel.

This application is a division of an application filed by me of date November 13, 1905, Serial No. 287,138, for sealing-closure for jars.

I claim—

The herein-described closure for vessels consisting of a cap having a depending band and formed of a layer of adhesive fibrous lining supplemented by a layer of wire-cloth both layers being united under pressure to cause the wire-cloth to be embedded into the surface of the adhesive fibrous lining.

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

GEORGE T. REED.

Witnesses:

HARRY L. DRAKE,
J. K. PAINTER.