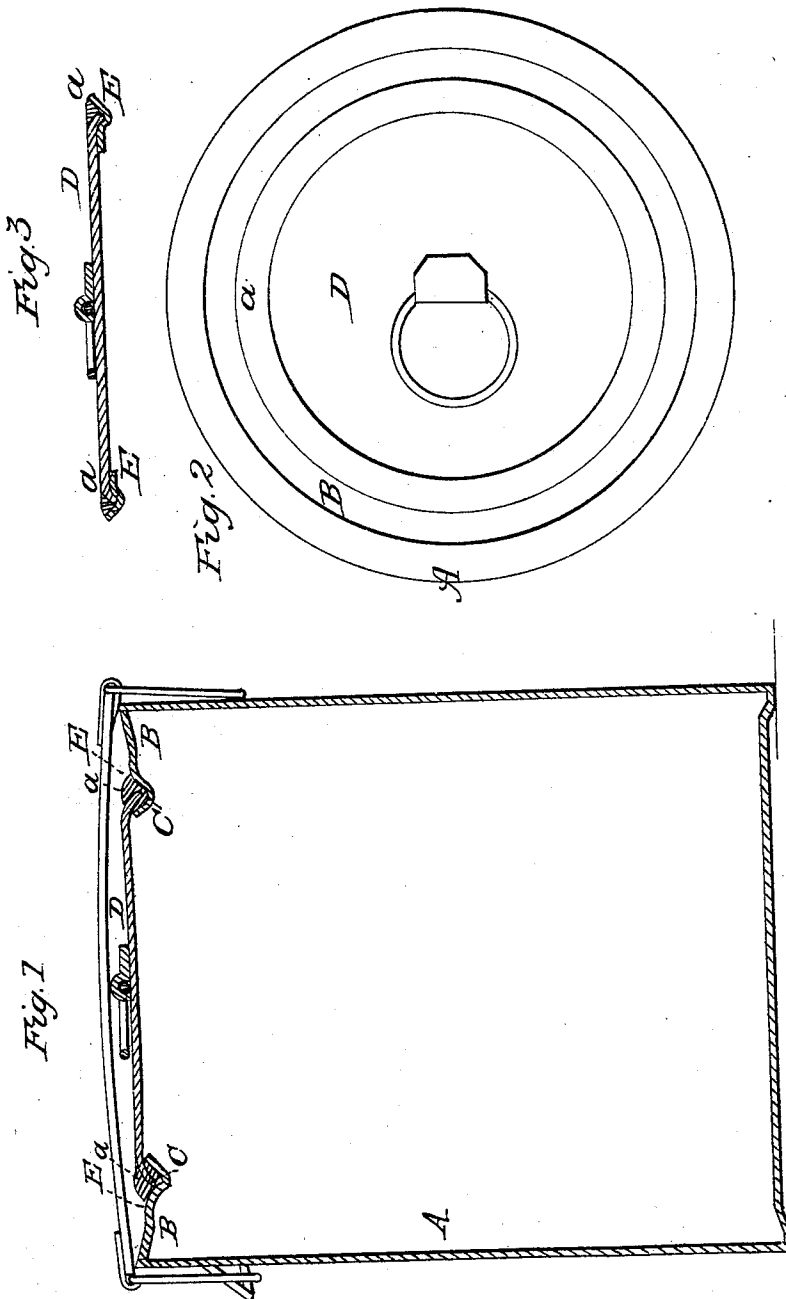


A. TAYLOR.

Self Sealing Preserve Can Cover.

No. 22,247.

Patented Dec. 7, 1858.



UNITED STATES PATENT OFFICE.

ALLEN TAYLOR, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN SEALING PRESERVE-CANS.

Specification forming part of Letters Patent No. 22,247, dated December 7, 1858.

To all whom it may concern:

Be it known that I, ALLEN TAYLOR, of the city and county of Baltimore, and State of Maryland, have invented a new and useful Improvement in Hermetically Sealing Covers for Preserve-Cans; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a vertical central section of a preserve-can with one of my improved covers applied to it. Fig. 2 is a plan or top view of the same. Fig. 3 is a vertical section of the cover detached from the can.

Similar letters of reference in each of the several figures indicate corresponding parts.

The nature of my invention consists in providing a porous textile or flexible gutter-shaped rim round the downwardly-bent edge of a preserve-can cover, in combination with a groove in the top-supporting flange of the preserve-can, the porous flexible rim forming with the bent-down edge of the cover a V or other shaped gutter for containing cement while in a solid state, but allowing, when heat is applied to the cover, the cement to circulate through its pores into the groove of the flange in such a manner that when the cement again becomes cold the cover shall be securely fastened to the can and the joint hermetically sealed. The object of having a porous textile or flexible substance for forming the outer edge of the cement-groove is that it serves every purpose of a support for the cement while in a solid state, and thus allows of the cover being sold in the market with the cement in the groove. It also allows of the cement while in a fluid state coming in contact with the surface of the groove in the flange, and thus sealing the joint between the can and the cover hermetically. It likewise retains a greater portion of the cement after the sealing has been effected once, and thus affords convenience for a second or several successive sealing operations. It is also found in practice that although the joint is sealed as tight as necessary to secure the preservation of the fruit or other article contained in the can with a very small expen-

diture of cement, the cover can be more readily, neatly, and conveniently removed by the application of a suitable instrument between the textile material and the metal, this mode of unsealing avoiding the cutting away and washing of the cement, as the canvas supports and holds the cement together and serves as a means whereby to lift it from contact with the metal in an unbroken ring or mass.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A represents the body of the can; B, a top-supporting flange of the same; C, a depressed groove formed in the flange near the inner edge. This groove serves for the cement to run into when melted.

D is the removable cover for closing the can. This cover has its edge turned down obliquely to a horizontal line all around, as shown.

E is a porous textile or flexible rim fastened by cement round the edge of the cover in the manner shown. This rim turns up in a reverse direction to that in which the edge of the can is bent, and therefore forms with the bent edge of the cover a V or similar shaped groove for containing cement *a*, which is shown in red color.

By examining the drawings, Fig. 3, the cover as completed for the market will be seen, and by examining Figs. 1 and 2 the manner in which it is used in connection with a preserve-can will also be seen. This construction of cover is cheaply manufactured, and will save a large amount of the money paid as freight on cans which are constructed with a cement-groove round their edge.

I do not claim, broadly, constructing a preserve-can top with a groove for containing the cement, so that the cover may be sold in the market separately from the body of the can, with the cement applied to it ready for closing and sealing up the can; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

The forming of the gutter-shaped rim E which supports the sealing-cement of a porous or textile substance, said substance being applied to the downwardly-bent edge of the

cover, and forming with said edge a V-shaped gutter, in which the cement, when melted, will be confined, yet allowed to come in contact with the metal surface, and thus seal the cover to the can with a small expenditure of cement, and in such a manner that the cover can be readily unsealed without cut-

ing up and wasting the cement, as when other modes of sealing are adopted, substantially as set forth.

ALLEN TAYLOR.

Witnesses:

JOHN O'FERRALL,

ROBERT B. FORSYTH,