W. Taylor and C. Hodgetts,

Caps for Preserve Jars.

117236

PATENTED JUL 18 1871

Fig 1.

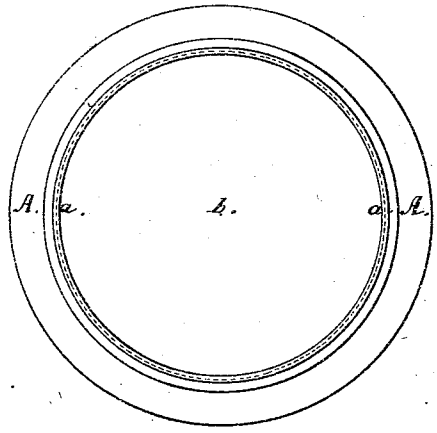
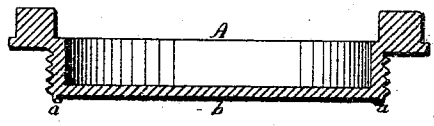


Fig 2.



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UNITED STATES PATENT OFFICE.

WILLIAM TAYLOR AND CHARLES HODGETTS, OF BROOKLYN, NEW YORK, ASSIGNORS TO LOUIS R. BOYD, OF NEW YORK CITY.

IMPROVEMENT IN CAPS FOR PRESERVE-JARS.

Specification forming part of Letters Patent No. 117,236, dated July 18, 1871.

To all whom it may concern:

Be it known that we, WILLIAM TAYLOR and CHARLES HODGETTS, both of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Caps or Covers for Fruit-Jars, Preserve-Cans, and other vessels; and we hereby declare that the following is a full, clear, and exact description thereof, reference being had to the drawings which accompany and form a part of this specification.

In these drawings, Figure 1 is an inverted plan or inside face view of a cap for a fruit-jar or preserve-can which embodies our invention, and Fig. 2 is a central transverse section of the same.

Similar letters of reference in the two figures indicate similar parts.

It is well known that if a material which is capable of being corroded, such as metal, be employed by itself alone for the caps or covers of jars or other receptacles designed to contain articles of an acidulous character, like fruits, preserves, &c., the cap or cover will not only be corroded by the action upon it of the acids in the contents of the vessel, but there will also be, in consequence, an extremely disagreeable flavor imparted to the articles in the vessel. In many cases the entire contents of the jar or can are from this cause rendered worthless. This evil has become of much importance on account of the extent which the manufacture and use of fruit-jars and preserve-cans has attained.

The object of our invention is to provide a remedy for this corrosion; and to this end, our improvement consists in combining, with a cap or cover made of any suitable metal, a thin sheet, plate, disk, lining, or shield, of glass, porcelain, or other vitreous or equivalent incorrodible substance, or, if desired, of wood, in such a manner that when the cap or cover is in place upon the jar or vessel the incorrodible material shall be interposed between the contents of the vessel and that portion of the cap or cover upon which the acids would otherwise act, and thereby prevent the injurious consequences which have been mentioned.

In the drawings, A represents a form of metallic cap in which our invention may be successfully employed. It may, however, be of any other convenient form, and it may be constructed in any suitable mode, either by casting or otherwise. *b* is a thin sheet, plate, disk, or shield, of glass, porcelain, or other equivalent incorrodible material. It may be combined with the cap in any convenient way; but one method which we have employed with success is to construct the cap so as to form a rim around its inner face slightly deeper than the thickness of the plate or shield, as shown at *a*, and then, after placing the plate or shield within the rim, to burnish the latter, in any convenient manner, down over the edge of the plate or shield, as represented in Fig. 2, by which means it will be securely attached to the cap.

It will be obvious that when a cap or cover thus constructed is placed in proper position to close a fruit-jar or other receptacle, the plate, lining, or shield, of glass, porcelain, or other equivalent incorrodible material, will be interposed between the metal of the cap and the contents of the vessel, so that no corrosion of the cap can occur, and hence no discoloration or disagreeable flavor can be imparted to the articles in the vessel.

Our improvement may be easily and cheaply applied to various forms of fruit-jar and preserve-can caps or covers, and it will be found to operate so effectually as to add largely to the value of preserving vessels, and to give very great satisfaction to housekeepers and users.

We do not claim tin-foil nor tin as a lining for the caps or covers of fruit-jars or other vessels; but

Having thus made known our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination, with the cap or cover of a fruit-jar or other vessel, of a separate plate, lining, disk, or shield, of glass, porcelain, or other equivalent incorrodible material, substantially as and for the purposes described.

WILLIAM TAYLOR.
CHARLES HODGETTS.

Witnesses:
JOHN B. JONES,
GEORGE RENSHAW.