No. 662,544. Patented Nov. 27, 1900.

S. M. OKELL.

CAN.

(Application filed Apr. 19, 1897.)

(No Model.)

FIG. 1.

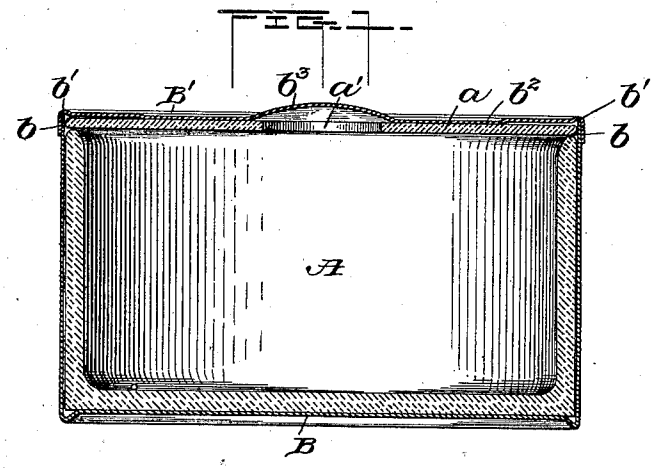


FIG. 2.

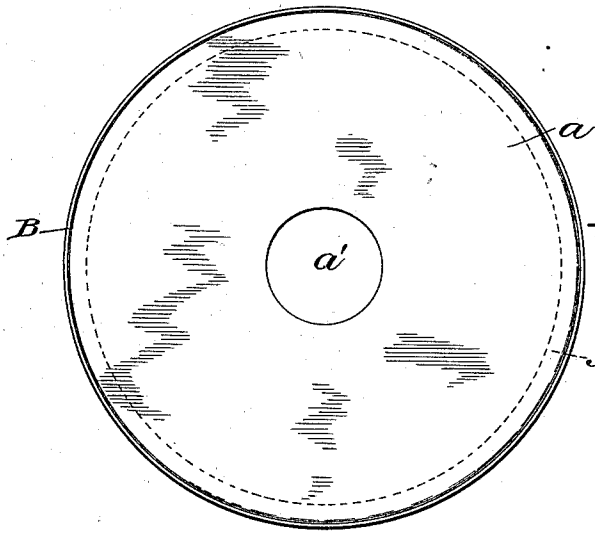
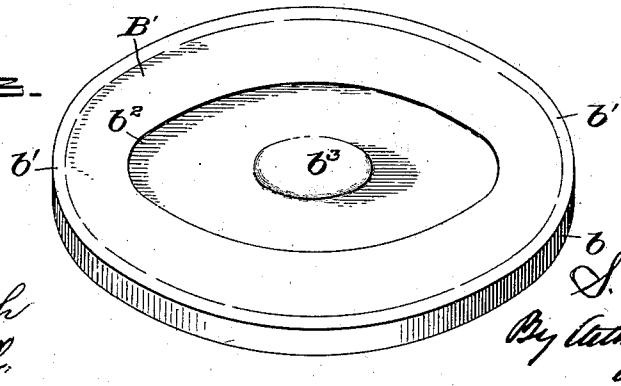


FIG. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL M. OKELL, OF VICTORIA, CANADA.

CAN.

SPECIFICATION forming part of Letters Patent No. 662,544, dated November 27, 1900.

Application filed April 19, 1897. Serial No. 632,798. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL M. OKELL, a subject of the Queen of Great Britain, residing at Victoria, Province of British Columbia, Canada, have invented certain new and useful Improvements in Cans for Packing Fruit, Meat, Fish, &c., of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improved method of and package for preserving meat, fruit, fish, and other edibles, the object being to provide a can or package in which the contents shall be protected from contamination by contact with the metallic case or shell.

In the accompanying drawings, Figure 1 is a vertical sectional view through a can or package constructed in accordance with my invention. Fig. 2 is a top plan view, the top of the outer casing or shell being removed. Fig. 3 is a detail view of the outer-shell top.

Referring to the drawings, A B designate, respectively, the inner and outer shells or casings of which my improved can is composed.

The inner shell or receptacle A is preferably composed of porcelain, glass, or earthenware, while the outer shell B is composed of tin or other suitable metal, the parts of which are secured together by solder.

The inner shell or lining A is fitted snugly within, but is not fastened to, the outer metallic shell B, and in the top a of said inner shell is formed an aperture or opening a' for a purpose to be hereinafter described.

By reference to Fig. 1 of the drawings it will be seen that the side walls of the outer metallic shell are of such height as to extend to and slightly above the upper surface of the top plate or disk of the inner lining A.

The top B′ of the outer shell is provided with a depending annular flange b, which projects both above and below the body of said top, whereby there is formed on the inner face or surface of said top a groove b', adapted to receive the upper edge of the body B.

The central portion of the top B′ is depressed slightly as, at b^2, and at a point within said depressed portion, adapted to aline with the opening a' in the top a of the inner shell or lining A, the metal of the top B′ is forced upward, as at b^3. It will thus be seen that the metal of the top adjacent to the opening a' in the inner casing is prevented from coming into contact with the contents of the can, and that at all other points contact between the said metal shell and the contents of the can is prevented by the lining A.

The manner of using my improved can is as follows: The material or substance to be packed is treated in the usual manner and then placed in the interior casing or shell A, and the cover or lid A′ is placed thereon, the opening a' permitting the escape of steam, &c. The metallic top B′ is then fitted in place and soldered fast to its body portion, within which the casing A has been placed. This soldering of the lid B′ in place serves to hold the cover a firmly against the body of the interior receptacle A. The can is then placed in a hot bath, and the central raised portion b^3 is punctured. After the air has been exhausted from the interior of the can, either by the above or any other suitable method, the puncture in the top B′ is closed and the can is hermetically sealed.

From the above description and the drawings it will be seen that I have provided a can in which the contents will be effectually prevented from coming into contact with the outer metallic shell, and therefore can be maintained in proper condition for use for an indefinite period of time.

The receptacles A B may be of any desired size and form.

What I claim is—

The herein-described can or packing vessel consisting of an outer metallic shell, an earthenware receptacle conforming in shape to and adapted to be removably fitted within said metallic shell, said inner receptacle having imperforate sides and bottom whereby contact of the contents thereof with the outer metallic shell is prevented, an earthenware top for the inner receptacle adapted to permit the escape of vapor from said receptacle, and a cover for the metallic shell adapted to be rigidly and hermetically secured to the sides of said shell and to hold the top of the inner receptacle in place by contact therewith.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

SAMUEL M. OKELL.

Witnesses:
M. R. EWE,
H. A. MUNN.