

A. WILKIN.
PRESERVING JAR.

APPLICATION FILED MAY 8, 1907.

Fig. 1.

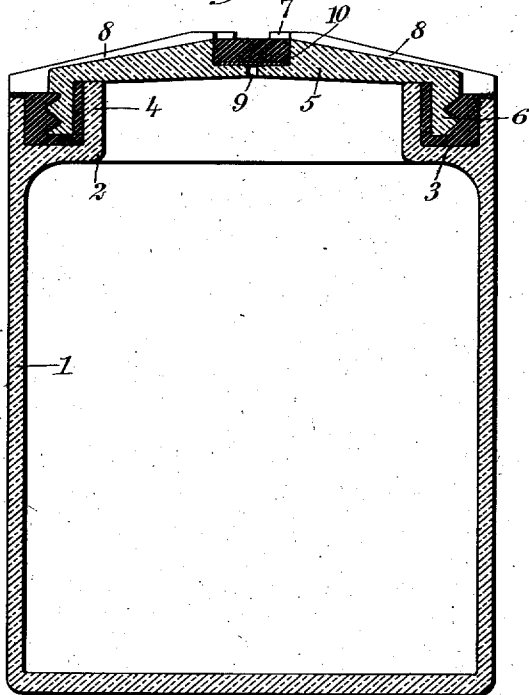


Fig. 2.

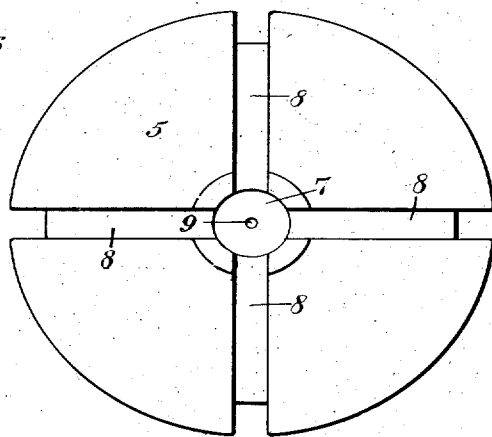


Fig. 3.

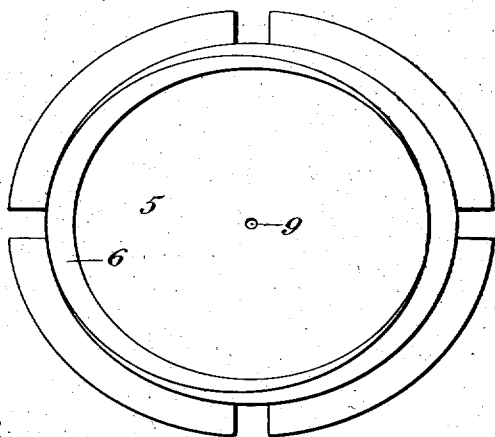


Fig. 4.

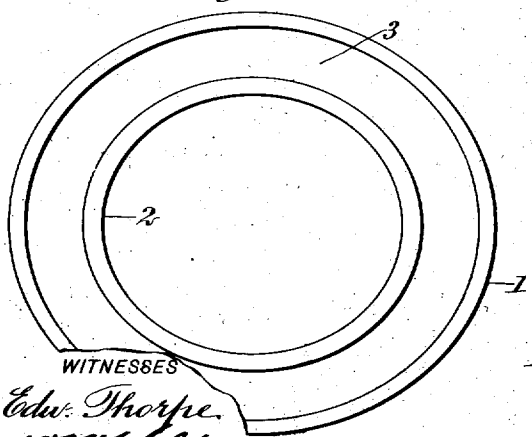


Fig. 5.



WITNESSES
Edw. Thorpe
[Signature]

INVENTOR
Alfred Wilkin
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ATTORNEYS

UNITED STATES PATENT OFFICE.

ALFRED WILKIN, OF NEW YORK, N. Y.

PRESERVING-JAR.

No. 882,438.

Specification of Letters Patent.

Patented March 17, 1908.

Application filed May 8, 1907. Serial No. 372,593.

To all whom it may concern:

Be it known that I, ALFRED WILKIN, a citizen of the United States, and a resident of the city of New York, New Brighton, borough of Richmond, in the county of Richmond and State of New York, have invented a new and Improved Preserving - Jar, of which the following is a full, clear, and exact description.

The object of the invention is the elimination of recognized defects in the preserving jar or vessel as ordinarily used, among which, for example, are the use of rubber for valves and gaskets, which furnish nesting places for the propagation of germs; the lack of any provision for the escape of air or other gases from the jar or vessel during the canning operation; the likelihood of the bacteria of the air finding access to the interior of the vessel and the difficulty of removing the cap from the vessel when sealed.

I am enabled to overcome the above objections by my invention, one embodiment of which is hereinafter disclosed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a central, vertical section through the preferred form of my invention; Fig. 2 is a plan of the cap or cover for the vessel; Fig. 3 is an inverted plan of the same; Fig. 4 is a plan of the vessel or jar, and Fig. 5 is a view of a disk of paper or other suitable material which is employed in the preserving operation.

The invention comprises a jar or vessel body 1 of suitable size and shape, that shown being uniformly cylindrical on the exterior and constructed with a contracted portion 2 at its upper end forming the jar with a thickened neck. In the top face of this neck, an annular groove 3 is formed, the inner wall 4 of which is made somewhat higher than the outer wall and provides a seat for receiving a cap or cover 5. This cap, as best shown in Fig. 1, is constructed with a flange 6 on its under face, said flange being exteriorly threaded and entering the groove 3 when the cap is seated in position. The dimensions of the groove and flange are such that the flange will be separated from the walls of the groove at both sides as well as at the bottom edge thereof. The top face of the cap 5 is preferably formed slightly con-

ical and constructed with a vent-cup or depression 7 at its center, from which lead a number of radiating grooves or channels 8 into the groove 3 formed in the jar. The interior of the jar communicates with the cup or depression 7 when the cap is in place, through a perforation 9 passing through the center of the cap, said perforation being closed by a disk 10 of paper or other suitable material, shown in detail in Fig. 5.

In the use of the jar, the fruit or other matter to be preserved, after being properly cooked in the jars or in a separate vessel, in the latter case being placed in the jars until they are well filled, the cap 5 quite hot is then placed in position on each jar, as shown in Fig. 1. The disk 10 should then be dipped in paraffin or other similar sealing material and placed in the cup 7 over the top of the perforation 9. The sealing mixture, which is ordinarily paraffin, is thereafter while quite hot and in a liquid state, poured into the cup 7 and overflows through the grooves 8 and fills the groove 3 at the inside and outside of the flange 6 on the cap. Steam, air or other gases rising from the fruit while the paraffin in the cup 7 is in the liquid state, passes through the perforation 9 under the valve 10 and escapes. As there is a larger portion of material in the cap around its center than at the circumference of the cap, the paraffin in the cup 7 will remain in the liquid condition longer than elsewhere. When the temperature lowers, the paraffin hardens first in the annular groove 3 and thereafter in the cup 7, leaving the jar hermetically sealed. When the jar is to be opened, a pin, small nail or similar device is thrust through the paraffin into the vent-cup and through the perforation 9, thus admitting the air. By now slightly warming the cap, the paraffin loosens its hold on the thread of the flange, which may then be easily screwed off.

It is evident that the invention as illustrated in the accompanying drawing and as hereinbefore described is susceptible of numerous modifications falling within the scope of the annexed claims.

Having thus described my invention I claim as new and desire to secure by Letters Patent:

1. A preserving jar or vessel, comprising a body having an annular groove in its upper end, and a cap seated over said body having a threaded flange projecting into said groove, said threaded flange being externally

and internally spaced from the walls of said groove whereby when the groove is filled with a sealing material it will envelop said flange both exteriorly and interiorly.

5 2. A preserving jar or vessel comprising a body having an annular groove in its upper end, a cap seated over said body, having a recess forming a vent-cup which communi-
10 cates with said groove, and a threaded flange projecting from the cap into said groove, said threaded flange being externally and in-
15 ternally spaced from the walls of said groove whereby a sealing material introduced into the groove will envelop the flange at both

15 sides
3. A preserving jar or vessel comprising a body having a groove surrounding the neck thereof, a cap seated over the neck of said body, having a recess forming a vent-cup
20 which communicates with said groove, and a projecting portion formed on the cap passing into said groove.

25 4. A preserving jar or vessel, comprising a body having an annular groove in its upper end, and a cap seated over said body having a threaded flange projecting into said groove, end a sealing material filling said groove and entering the threads on said flange.

5. A preserving jar or vessel comprising a body having an annular groove in its upper 30 end, a cap seated over said body having a recess forming a vent-cup which communicates with said groove, a flange projecting from said cap into said groove, and a sealing material substantially filling said cup and 35 groove.

6. A preserving jar or vessel comprising a body having an annular groove in its upper end, a cap seated over said body having a recess with a perforated bottom forming a 40 vent-cup, and a flange projecting into said groove from said cap, said flange being externally and internally spaced from the walls of said groove whereby a sealing material in-
45 troduced into the groove will envelop the flange at both sides, and said cap having radial channels or grooves leading from said cup to the annular groove in the top of the vessel.

In testimony whereof I have signed my 50 name to this specification in the presence of two subscribing witnesses.

ALFRED WILKIN.

Witnesses:

ELMER HUNT,
BERTRAM G. EADIE.

Correction in Letters Patent No. 882,438.

It is hereby certified that in Letters Patent No. 882,438, granted March 17, 1908, upon the application of Alfred Wilkin, of New York, N. Y., for an improvement in "Preserving-Jars," an error appears in the printed specification requiring correction, as follows: In line 25, page 2, the word "and" should read *end*; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 14th day of April, A. D., 1908.

[SEAL.]

C. C. BILLINGS,
Acting Commissioner of Patents.

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