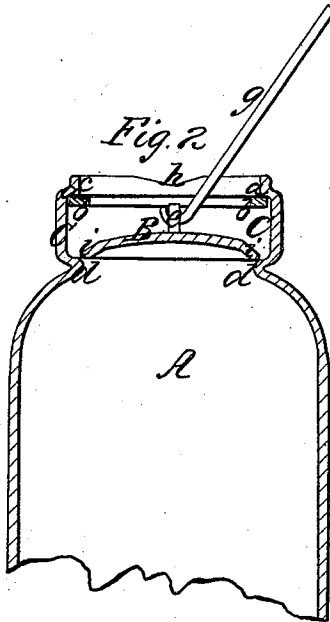
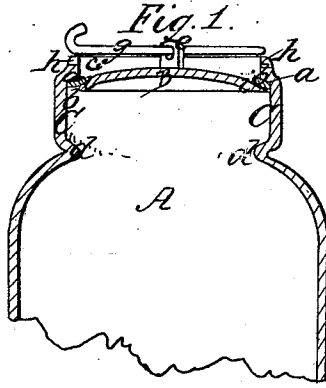


C. F. Spencer.

Fruit Jar.

N^o 81,116.

Patented Aug. 18. 1868.



Witnesses;
J. A. D. Jones
W. J. Breckman

Inventor;
Chas. F. Spencer
By J. Fraser & Co
attys.

United States Patent Office.

CHARLES F. SPENCER, OF ROCHESTER, NEW YORK.

Letters Patent No. 81,116, dated August 18, 1868.

IMPROVED FRUIT-JAR.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES F. SPENCER, of Rochester, in the county of Monroe, and State of New York, have invented a certain new and useful Improvement in Fruit-Jars; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

Figure 1 is a vertical section of my improved fruit-jar with the mouth closed.

Figure 2 is a like section in a position transverse to that of the former view, showing the mouth unsealed.

Like letters of reference indicate corresponding parts in both figures.

In the ordinary methods of sealing fruit-jars, the stoppers are secured by the application of pressure on the top of the stopper by means of some mechanical appliance for the purpose. It is a serious objection to this method that the cover is difficult to remove, in consequence of having the pressure of the atmosphere superadded to that of the mechanical device employed, making it very difficult to remove the cover without breaking, if of fragile material.

It is the object of my invention to obviate these difficulties, and the nature of the improvement consists in sealing jars by means of a stopper, packing from the inside, which is held in forcible contact with an elastic gasket and shoulder above, by means of a cross-yoke, bearing upon the mouth of the jar, which is provided with cams for increasing the pressure.

In the accompanying drawings, A indicates the jar, and B the cover or stopper, which I prefer to make of glass.

The mouth of the jar is formed with an annular recess, C, having shoulders *a d* above and below it, against the upper one of which rests an elastic gasket or packing-ring, *b*. The top, *e*, of the jar, is made of just sufficient size for the stopper B to pass through, while the shoulder *d*, beneath, being of smaller diameter, retains it in the recess C.

The stopper B has formed thereon a lug or bearing, *e*, with an eye, through which passes a cross-yoke or clamp, *g*, that rests on the top of the jar-mouth. The upper edge of the stopper is also bevelled or inclined, as shown at *z*, so that, as it presses up against the packing *b*, it centres or adjusts itself so as to bear equally all around, and thus produce a perfect joint.

In sealing the jar, the stopper is first inserted in the recess C, where it rests on the shoulder *d*. The gasket is then inserted, and, by means of the hooked rod *g*, inserted in eye *e*. The stopper is raised so that the gasket is in contact with the shoulder *a*, when the rod *g* is passed through, so that its ends rest in depressions *h h*, in the top of the jar. These depressions are provided with inclined sides, so that by simply turning the rod around out of the depressions, the stopper is drawn up tightly against the packing, and held securely in place.

By thus sealing the jar from the inside, the stopper can be easily removed at any time by simply loosening the clamp, when the stopper is forced down by the pressure of the atmosphere, and may be removed with ease.

By this means the difficulties of removing the jar against atmospheric pressure are entirely overcome.

What I claim as my invention, is—

The combination of the annular recess C, provided with shoulders *a d* and stopper B, formed with its upper edge bevelled or cone-shaped, and central lug *e*, or its equivalent, with the cross-rod *g*, inclined bearings *i i*, and gasket *b*, arranged and operating substantially as and for the purposes set forth.

In witness whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

CHAS. F. SPENCER.

Witnesses:

J. A. DAVIS,

W. J. CREELMAN.