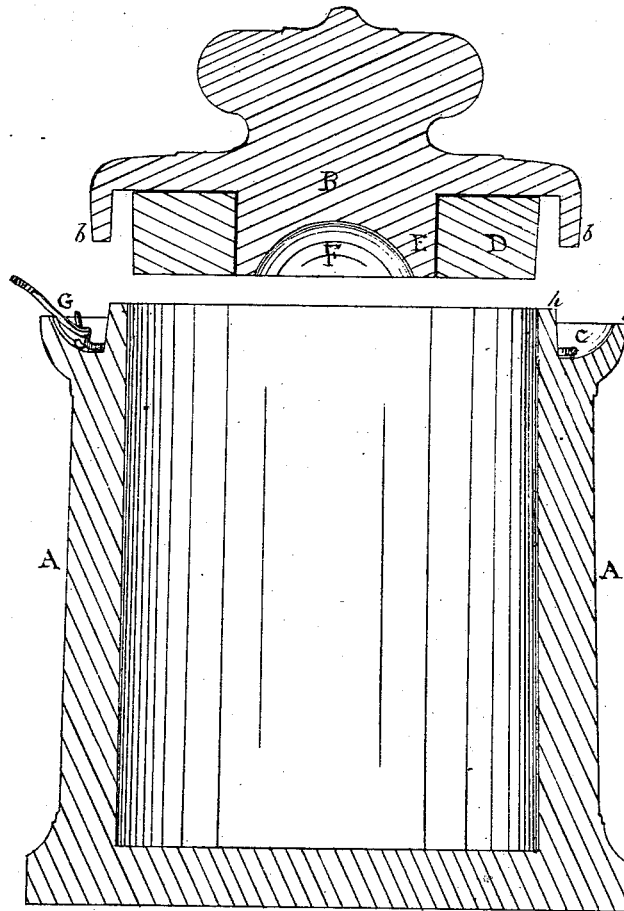


P. F. DARCHE.  
Fruit-Jar.

No. 161,210.

Patented March 23, 1875.

*Fig: 1.*



*Witnesses*

*Samuel Jones.*  
*Robert Everett.*

*Inventor*

*Pierre F. Darche*  
*by Atty. Robt. T. Everett*

# UNITED STATES PATENT OFFICE.

PIERRE F. DARCHE, OF SAN FRANCISCO, CALIFORNIA.

## IMPROVEMENT IN FRUIT-JARS.

Specification forming part of Letters Patent No. **161,210**, dated March 23, 1875; application filed June 24, 1873.

*To all whom it may concern:*

Be it known that I, PIERRE F. DARCHE, of the city and county of San Francisco and State of California, have invented Improvements in Fruit-Jars, of which the following is a specification:

My invention relates to improvements in closing and sealing that class of fruit-jars in which a channel or annular groove is made around the upper edge of the body of the jar, so as to receive the downward-projecting rim of the cover, and in which the sealing material is applied.

My improvement consists in a novel construction of the cover of the jar, by which I obtain an inner tight joint, besides the sealed joint in the groove or channel, and thus prevent the wax or other sealing substance from entering the jar, and becoming mixed with the fruit during the process of sealing.

In order to more fully illustrate and explain my invention, reference is had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a vertical cross-section of the can and cover.

A is the body of a jar, which may be made of glass, earthenware, or other suitable material, and C is the groove which is made around its upper edge. The inside wall *h* of the groove C I make somewhat higher than the outside wall *i*, so that any overflow of the liquid sealing substance which may occur will be to the outside instead of the inside of the jar. The cover B I construct with the outside flange *b*, and with a portion, E, on its under side, which projects downward into the mouth of the bottle. This downward-projecting portion E is considerably smaller than the diameter of the inside of the jar, and around it I secure a piece of cork, D, so that the outer

edge of the cork will fit tightly against and within the inside wall *h*.

The portion E can be made in any desired shape, but I prefer to make it square or polygonal, so that the cork can be made to fit over it, and thus be held securely in place without turning, should the cover be twisted in removing or placing it over the mouth of the jar. The under side of the portion E I hollow out, as at F, in order to provide a space for the fruit to expand, in case there should be an excess in the jar, but this might be dispensed with if care is had in filling the jar.

I thus provide two sealing-joints for this class of fruit-jars—an inside cork-joint, and an outside sealed joint. The cork-joint prevents the wax or other sealing substance from entering the jar, and obviates the necessity of of being so careful in sealing the outside joint.

I am aware that an ordinary glass stopper has heretofore been surrounded with cork, but this I do not claim. I am also aware that fruit-jars have been constructed with a groove and a flanged top fitting therein, to secure an outside sealed joint, and this I do not claim.

What I claim as new, and desire to secure by Letters Patent, is—

The fruit-jar A, provided with the groove C, and having its inner wall *h* extending above the outer wall *i*, in combination with the cork D and cover B, provided with the outer flange *b* and inwardly-projecting portion E, whereby is secured an inside and an outside sealed joint, substantially as and for the purpose set forth.

Signed this 26th day of May, 1873.

PIERRE FRANÇOIS DARCHE.

Witnesses:

J. F. COWDERY,  
ALFRED RIX.