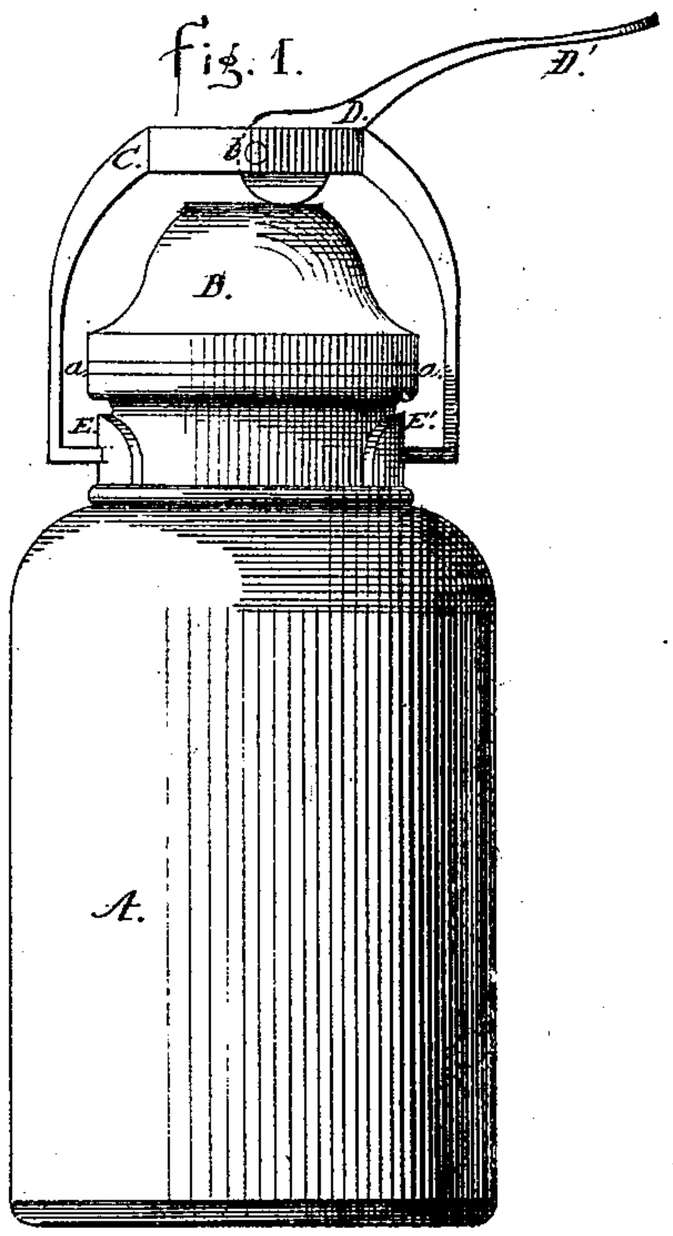
R. G. Farnham,

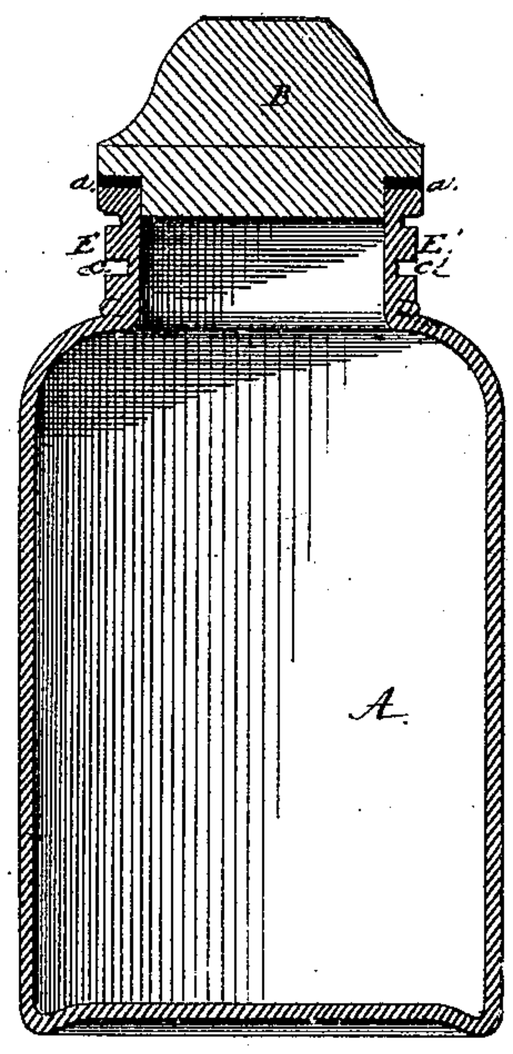
Fruit Jar.

No. 110,757. Patented Jan. 3. 1871.

fig. 1.



fig, 2.



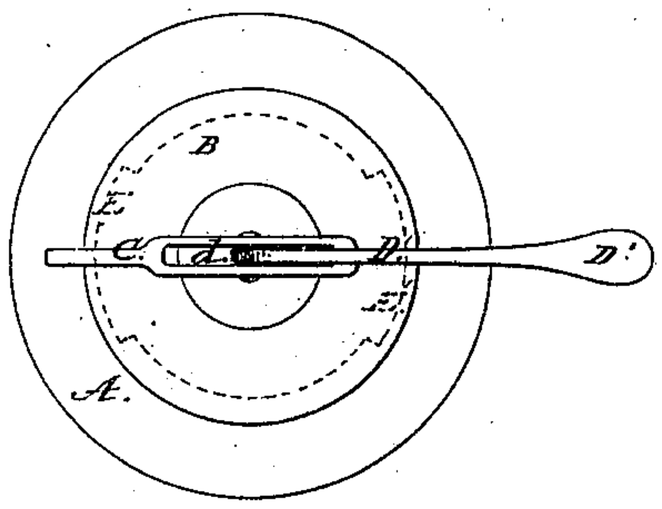


fig. 3.

Witnesses;
Edw. W. Down
A. Moore

Inventor;
Reuben G. Farnham
per Sam'l Gardiner Atty.

United States Patent Office.

REUBEN G. FARNHAM, OF ELBRIDGE, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO RUSSELL B. WHEELER, OF SAME PLACE.

Letters Patent No. 110,757, dated January 3, 1871.

IMPROVEMENT IN FRUIT-CANS.

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

I, REUBEN G. FARNHAM, of the town of Elbridge, county of Onondaga and State of New York, have invented certain Improvements in Fruit-Cans, of which the following is a specification.

Figure 1 is an elevation of the can or jar.

Figure 2 is a vertical section through the can or jar.

Figure 3 is a plan or top view of the same.

My invention relates to that class of jars in which the cover is secured by a bail and cam, and by which a more secure fastening is provided.

In the accompanying drawing—

A is the jar, on the outside of which are formed or cast lugs or ears E E′, opposite to each other, pierced with eyes C C′, to receive the bow or bail C.

The bow or bail C is formed with a slot, *d*, to receive the eccentric D. This eccentric D is extended to form the lever D′, which has its fulcrum at the rivet *b*. The top or cover of the jar B is made of glass or other suitable material, having either the form shown in the drawing, or that of the frustrum of a cone, giving it body, and therefore strength, to resist the pressure which it must necessarily receive.

A rebate is formed at the bottom of the stopper or cover, to allow a part of it to pass into the neck of the jar, so that the horizontal surface of the rebate will have its bearing on the India-rubber ring *a a*, and the vertical surface is inclosed by the neck of the jar.

The bow or bail C is made of malleable iron, and has elasticity sufficient, when forced out, to spring back into the eyes *c c′*.

I am aware that cans have been used, previous to my invention, provided with a bow or bail, in combination with a solid stopper, and operated with an eccentric and lever; but the manner of securing the eccentric and lever to the bail was with a rivet, and the bail was not provided with a slot, referred to in my application.

There is no doubt but what my manner of fastening the eccentric to the bail is far superior to that where the rivet is used without the slot.

After frequent operation of this device, where the rivet is used, the eye through which the rivet passes will be enlarged, and there will be twice as much wear with one bearing as there would be with two, as shown in my slotted bail. The rivet, too, is liable to be bent, it having to resist the strain supported but from one side.

In the arrangement shown in my invention I give to the bail a slot, in which moves the eccentric, supported by the pin, which has a bearing on either side of the slot, said slot forming a guide to prevent the eccentric from slipping about in the operation of sealing the can.

Having described the invention, I now proceed to give its operation.

The jar, being filled with hot fruit, with its cover off, we place the India-rubber ring in its proper place, as seen at *a a;* we then place the top or cover in its place, as seen in the drawing. The bow or bail C is then taken in the two hands and sprung out until it will clear the lugs or ears of the jar; it is then allowed to spring into the eyes *c c′*. The eccentric is then brought down by a power being vertically applied to the lever D′, and the elasticity of the rubber ring closing up the vent seals the jar hermetically.

I claim—

A jar-fastening, consisting of the bail C provided with a slot or recess, *d*, within which is fastened the eccentric or cam-lever D, substantially as described for the purpose set forth.

REUBEN G. FARNHAM.

Witnesses:

S. L. ROCKWELL,
L. J. ROCKWELL.