E. FÉTARD.

Device for Sealing Jar.

No. 211,141. **Patented Jan. 7, 1879.**

Fig. 1.

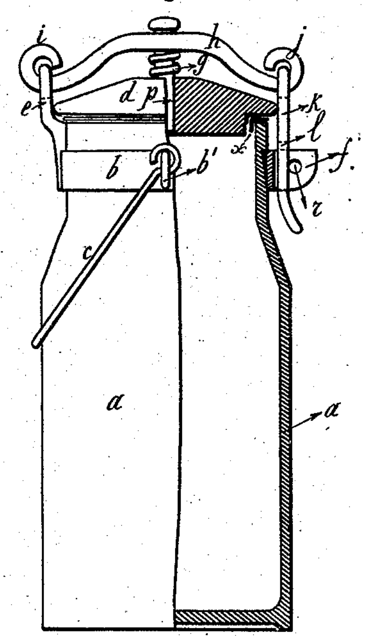
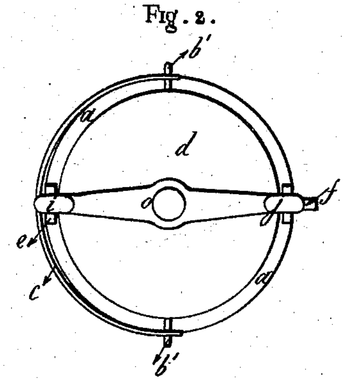


Fig. 2.



Witnesses.

J. H. Shumway

A. J. Tibbits

Emile Fétard

Inventor.

By atty.

John E. Earle

UNITED STATES PATENT OFFICE.

EMILE FÉTARD, OF GONESSE, NEAR PARIS, FRANCE.

IMPROVEMENT IN DEVICES FOR SEALING JARS.

Specification forming part of Letters Patent No. **211,141**, dated January 7, 1879; application filed November 1, 1878.

To all whom it may concern:

Be it known that I, EMILE FÉTARD, of Gonesse, France, have invented a new and useful Improvement in Sealing Jars; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification.

My invention relates to an improvement in the devices for sealing jars for various purposes, which, as here represented, is designed for the transportation of milk.

My invention bears chiefly on the system of closing; and it consists in means of securing on the milk-vessel which is generally of earthenware, a lid or cover likewise in earthenware. This lid is kept firmly closed by means of a cross-bar which presses it down through a spring, and which is itself fixed by a loop on a staple secured to the vessel, this staple holding the cord which is sealed with lead.

Such is the substance of the closing arrangement applied to the milk-vessel shown in the annexed drawings, whereby the manner of performing my invention may be understood.

Figure 1 is partly an elevation and partly a vertical section of the vessel, and Fig. 2 a plan.

The vessel *a* is generally made of earthenware, and is of the usual shape with only its upper part modified. It terminates, as usual, with a projecting lip, below which I fit a ring *b*, of tin-plate soldered. This ring has two eyes, *b' b'*, to which is hooked the bow-handle *c*. It has also the eye *e* and staple *f*. These four appendages are cast or soldered on the ring.

The earthenware disk *d*, which forms the lid or cover, is provided with a central rod, *p*, carrying the helical spring *g*, which is kept on by the collar at the end of the rod *p*. A flat blade-spring might be substituted for the helical spring, the function in either case being to render elastic the pressure exerted by the locking-bar *h*. A washer of fabric, *x*, makes the joint tight under the lid *d*.

The bar *h* of cast or malleable iron has in its middle a hole, *o*, for the passage of the head of the rod *p*, and bears directly on the spring. Its ends are bent to the form of rings, one, *i*, jointing with the eye *e* projecting from the ring *b*, and the other, *j*, jointing with one end of the loop *k*. The latter by its hole *l* engages on the staple *f* projecting from the ring *b*.

The various pieces combined, as shown, act as follows in the opening or closing of the vessel. For closing it the lid *d* is put on the mouth of the vessel along with the bar *h*, which is connected to the lid. By pressing down the bar the spring is sufficiently compressed to permit the loop *k* to engage on the staple *f*. It then only remains to pass the cord through the eye *r* of the staple, and to join its two ends by the lead.

I claim—

The combination of the jar *a*, ring *b*, provided with eyes *b'*, eye *e*, and stop *f*, handle *c*, the disk or cover *d*, locking-bar *h*, hinged to the eye *e*, the loop *k*, and spring *g*, all as shown and described.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

E. FÉTARD.

Witnesses:

ROBT. M. HOOPER,

CHARLES MARDELET.