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OPENING DEVICE FOR TINS USED FOR PRESERVING FOOD.

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1,412,175. Patented Apr. 11, 1922.

Fig. 1

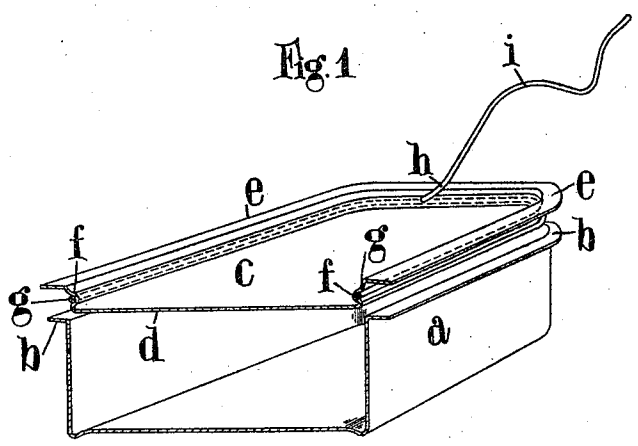
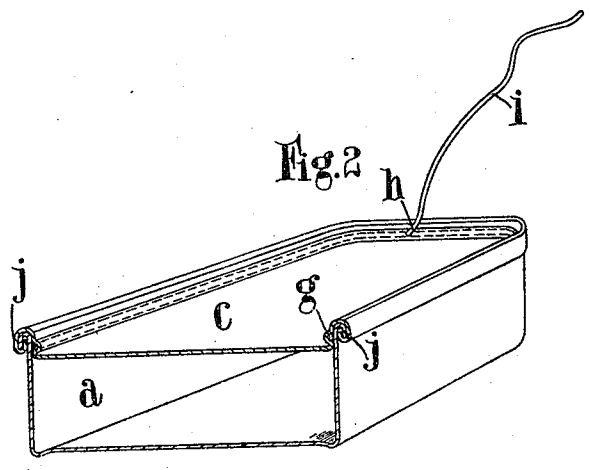


Fig. 2



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OPENING DEVICE FOR TINS USED FOR PRESERVING FOOD.

1,412,175. Specification of Letters Patent. Patented Apr. 11, 1922.

Application filed December 21, 1918. Serial No. 267,881.

To all whom it may concern:

Be it known that I, EDUARDO GASSET, a subject of the King of Spain, and residing at Alfonso XIII, No. 2, Pontevedra, Spain, have invented a certain new and useful Improvement in Opening Devices for Tins Used for Preserving Foods, of which the following is a specification.

One of the most successful methods of closure for tins used for preserving foodstuffs and the like is that of closure by the mechanical catch system in which the tins are hermetically sealed without the use of solder, by fitting an embossed part of the lid into the open end of the tin, interlocking the rim of the lid with the turned over portion of the top of the tin and turning the same over so as to lie against the sides of the tin. This system is known as the "sertissage." Difficulties have been experienced in applying opening devices to tins so closed, but according to one method of opening which has been proposed, an annular groove has been provided in the side of the embossed portion of the lid which fits into the open end of the tin, and a metal wire fitted into the groove with its ends projecting through a hole therein, the hole being sealed and the ends of the wire enclosed therein by a drop of solder.

It has been discovered, however, in the manufacture of such tins, that this method of fixing the wire has disadvantages from the practical and economical point of view.

The object of this invention is to overcome these disadvantages and with this object in view the invention consists in soldering one end of the wire within the groove adjacent a hole in the groove through which the other end passes, sealing the said hole by a drop of solder, and allowing a sufficient length of wire to protrude through such hole as may be engaged by a door key, a fork, a stick, or any other suitable means whereby the wire can be rolled up and caused to cut through the groove in which it is resting.

In order that the invention may be more clearly understood, reference is made to the accompanying drawings in which:—

Figure 1, is a perspective view of the tin with the lid fitted with my improved opening arrangement, ready to be placed in position to be sealed thereto.

Figure 2 is a perspective view of the tin with the lid sealed down in position.

As is usual in the type of tin to which improvements are applied, the body of the tin *a* has the top edge of the sides turned over at right angles to the side to form a flange as shown at *b*. The lid *c* has an embossed portion *d* so shaped as to fit into the open top of the tin, and is provided with a flange portion *e*. An annular groove *f* is made in the side of the embossed portion *d* and in this groove a wire *g* is laid. the depth of the groove being such as will allow of the wire fitting therein without projecting past the side portions of the embossed part *d*. According to this invention one end of the wire is passed through a hole in the groove as is shown at *h* and the hole sealed with a drop of solder. A sufficient length of wire as shown at *i* is left protruding as can be engaged by a door key or other suitable means, say from 8 to 12 centimeters, and the other end of the wire is soldered in the groove *f* at a position adjacent to the hole *h*. The lid is sealed down in the usual manner by interlocking the flange *e* with the flange *b* and bending the same over as is shown at *j*. When it is desired to open the tin, the the free end *i* of the wire *g* is engaged by a door key or the like and wound round the same, causing the said wire to cut through the tin forming the groove *f* after which the embossed part *d* of the lid *c* may be lifted up thus disclosing the contents of the tin.

Having now described my invention, what I claim as new and desire to secure by Letters Patent is:—

The combination of a tin for preserving foodstuffs and the like, a lid having an embossed portion fitting into the open end of the tin, said lid being heremetically sealed to the tin by interlocking the rim thereof with a turned over portion of the top of the tin and turning same over in the well known manner, a groove formed by a recess in the vertical side of the embossed portion of the lid, such recess being situated substantially centrally of such vertical side, and a ripping

wire for opening the tin, fitting wholly within said groove and having one end thereof passing through a hole in the groove, which hole is sealed with a drop of solder, and the other end thereof soldered in the groove adjacent the side of the hole through which the projecting end passes.

In testimony whereof I have signed my name in this specification.

EDUARDO GASSET.

Witnesses:
J. LOPER ALIEN,
M. MENÉNDEH.