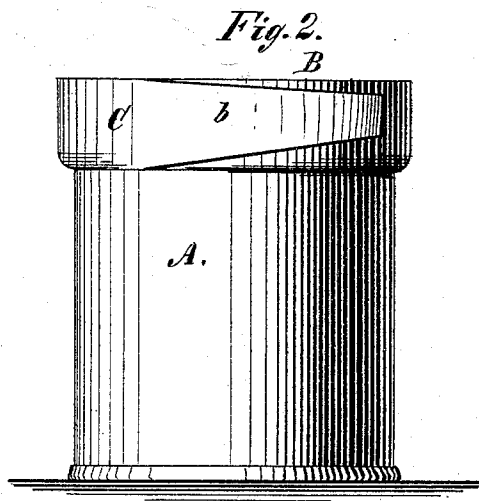
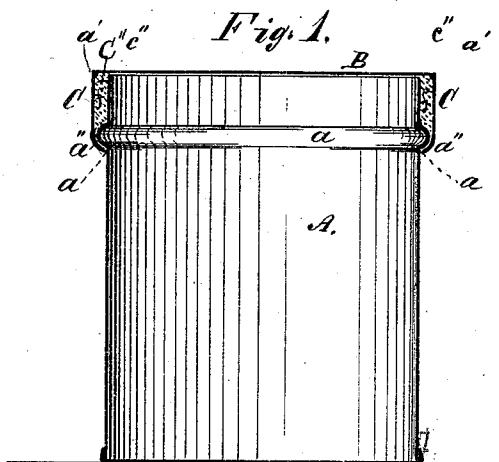


G. H. CHINNOCK.
SHEET-METAL CANS.

No. 178,272.

Patented June 6, 1876.



Witnesses:

Henry Eichling.
H. Wells Jr.

Inventor:

George H. Chincock
per James A. Whitney
Atty.

UNITED STATES PATENT OFFICE.

GEORGE H. CHINNOCK, OF BROOKLYN, NEW YORK, ASSIGNOR TO LEONARD RICHARDSON, OF SAME PLACE.

IMPROVEMENT IN SHEET-METAL CANS.

Specification forming part of Letters Patent No. **178,272**, dated June 6, 1876; application filed April 15, 1876.

To all whom it may concern:

Be it known that I, GEORGE H. CHINNOCK, of Brooklyn, in the county of Kings and State of New York, have invented certain Improvements in Sheet-Metal Cans, of which the following is a specification:

This invention relates to that class of self-opening cans, so termed, in which a strip or ribbon of metal is torn from the circumference of the can, in order to detach the cover from the body thereof.

The object of the invention is to dispense with one of the soldered seams hitherto believed to be necessary in the construction of this class of cans, and also to provide for the perfect hermetical sealing of the cover to the can. To this end my invention comprises, first, a self-opening can in which the detachable strip or ribbon is soldered at its upper edge to the periphery of the cover of the can, and at its lower edge is bent or folded over or upon a projecting circumferential rib provided on the said body. The invention further comprises a packing of gelatine or equivalent material, provided between the top of the body of the can and the detachable strip or ribbon soldered at its upper edge to the cover of the can, and having its lower edge folded or turned over the circumferential rib of the body of the said can.

Figure 1 is a central longitudinal section, and Fig. 2 a side view, of a sheet-metal can made according to my invention.

A is the body of the can, made of the usual cylindric or any other suitable shape, and provided at a suitable distance from its top or upper edge with an external bead or rib, *a*. B is the cover of the can, consisting simply of a flat disk of metal having the same circumferential contour as the body A. C is the detachable strip of sheet metal, soldered at its upper edge to the circumferential edge of the cover B, as indicated at *a'* in Fig. 1. The lower edge of this strip or ribbon C is bent inward over, around, or below the rib *a*, as shown at *a''*, thereby firmly attaching the cover B to the body A.

It will be noticed that the strip or ribbon C has one end lapped over the other, as represented in Fig. 2, this lapped portion *b* forming a tongue which is loose or unsoldered.

The strip or ribbon C is thus in place, and between it and the adjacent top portion of the body A is an annular space or chamber, *C''*, which is filled with glue, gelatine, or equivalent, poured in, in a fluid or semifluid condition, and allowed to stiffen or harden. This makes the joint impervious and hermetically sealed.

In order to open the can, the tongue *b* is seized and pulled radially or tangential to the body of the can, whereupon the soldered joint *a'*, at its upper edge, is ruptured, and the lower edge readily leaving the rib or bead *a*, the strip is, of course, readily removed.

The gelatine packing *f* is, of course, readily and easily detached, so that the cover B, being lifted off, easy access to the interior of the can is had.

It is of course to be understood that suitable mechanical skill will be brought to bear in putting the parts together, and hence no specific description of the exact manner of making is requisite. It may, however, be mentioned, that when desired the strip or ribbon C may be turned inward at its lower edge and slip upon the body A, so that the said lower edge will come in suitable juxtaposition with the rib *a*, whereupon the gelatine packing *f* may be poured in, and the cover B subsequently soldered at *a'* to the upper edge of the strip C, thereby closing the can.

What I claim as my invention is—

1. In a self-opening can, the detachable strip C, soldered at its upper edge to the periphery of the cover B, and at its lower edge turned over the circumferential rib *a* of the body A, the said strip C being constructed with the loose tongue *b*, the whole constructed and arranged substantially as and for the purpose herein set forth.

2. The packing *a'*, of gelatine or equivalent material, provided between the top of the body A and the detachable strip C, united at its upper edge to the circumference of the cover, and turned over or upon the circumferential rib of the body A.

GEO. H. CHINNOCK.

Witnesses:

H. WELLS, Jr.,
EDWARD HOLLY.