

M. O'CONNOR.
Fruit-Cans.

No. 142,503.

Patented September 2, 1873.

Fig. 1.

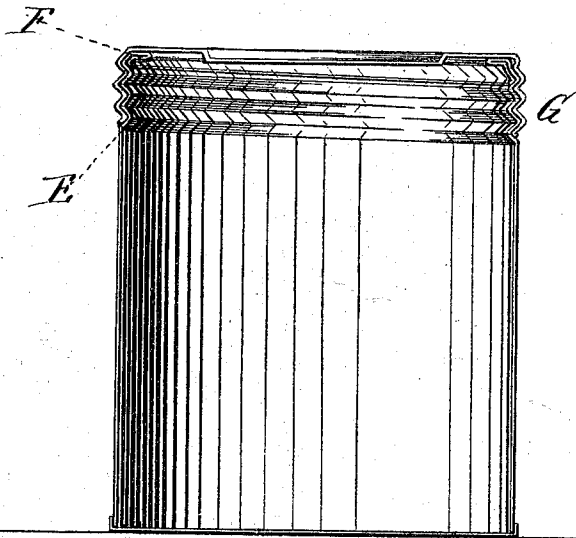
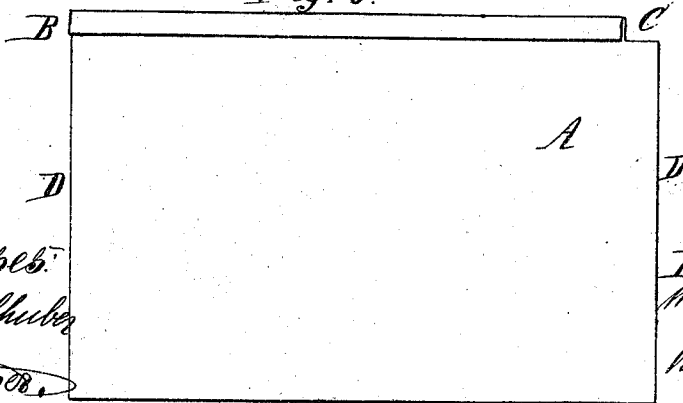


Fig. 2.



Fig. 3.



Witnesses:
Ernest Bilhuber
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Attys

UNITED STATES PATENT OFFICE.

MICHAEL O'CONNOR, OF NEW BRUNSWICK, NEW JERSEY.

IMPROVEMENT IN FRUIT-CANS.

Specification forming part of Letters Patent No. 142,503, dated September 2, 1873; application filed August 15, 1873.

To all whom it may concern:

Be it known that I, MICHAEL O'CONNOR, of New Brunswick, in the county of Middlesex and State of New Jersey, have invented a new and useful Improvement in Provision-Cans; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a vertical section of my improved can and cover. Fig. 2 is an elevation of the top or cover detached. Fig. 3 represents a blank from which the body of the can is formed.

Similar letters indicate corresponding parts.

This invention relates to sheet-metal cans for containing provisions and other articles of food; and it consists in combining with the tin body of a sheet-metal can a zinc cover or top, so that the oxidation or corrosion of either of these metals, when in contact, will not cause them to adhere to the surfaces of each other.

In the accompanying drawing, the letter A designates a blank composing the body of the can. It is folded over at its top edge to form the upper part of the can or vessel, as at B, first cutting out from one corner of that edge a small piece, as seen at C, in order to allow the folds at opposite corners to lie smooth and flush with each other when the side edges D of the blank are brought together and lapped to form the body of the can A. After the fold B is made the blank A is bent into shape to form the body of the can, which is then "bottomed," and, if a screw-threaded can is required, screw-threads E are formed thereon, near its mouth, in the usual manner, and the folded edge B is bent inward to form a horizontal seat or bearing, F, for the top or cover. The letter G designates a screw top or cover made of zinc.

When cans made of tin are provided with

tops or covers of the same material, it has been found that the top or cover and the can "rust together" at places where they are in contact with each other, and this is often the case when tin tops or covers and cans are provided with screw-threads for screwing them upon each other, such tops or covers being made from a disk of tin, which is "struck up" to form a vertical flange at its edge, upon which flange a screw-thread is afterward formed. The operations of forming such flange and of threading the same stretch the metal more or less, and sometimes produce "breaks" or "cracks" in the tin coating, and the thin coating of tin is liable to become removed at places so as to leave the iron part of the sheet metal exposed; or the tin becomes so thin that it is soon rubbed off, in which cases rust is formed at such exposed places, and then the screw-top or cover can only be unscrewed with great difficulty, or removed by breaking the can.

These difficulties are obviated by making the top or cover of zinc, and combining it with a can-body of tin, as the oxidation or corrosion of either of these metals, when in contact, will not cause them to adhere to the surfaces of each other, as in the case where both the cover and can are made of the same metal.

My combined tin can and zinc top or cover form a package suitable for extensive commercial and domestic uses in putting up and transporting and preserving provisions and articles of various kinds.

I am aware that tin wash-boilers and like vessels have been bottomed with zinc to prevent oxidation. Such I do not claim; but

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

In combination with the tin body of a can, the removable flanged zinc cover or top G, substantially as and for the purposes specified.

MICHAEL O'CONNOR.

Witnesses:

J. VAN SANTVOORD,
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