C GREEN & W. WILSON, Jr.

Metallic Can.

No. 201,666. Patented March 26, 1878.

Fig. 1

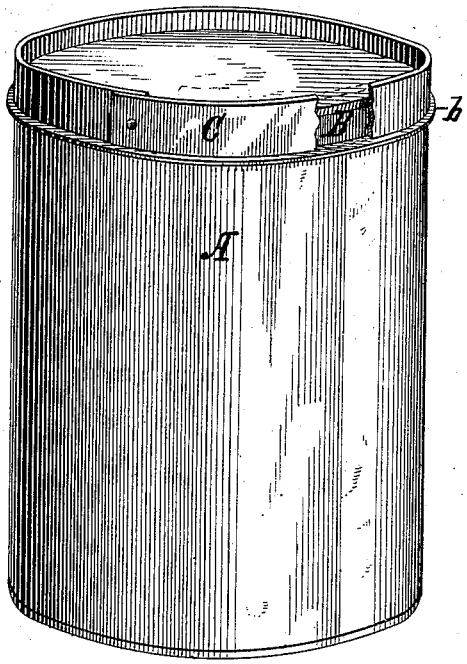


Fig. 2

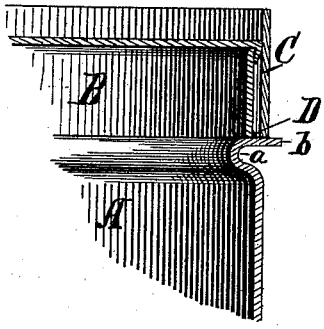
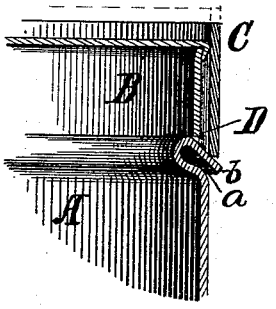


Fig. 3



Attests

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UNITED STATES PATENT OFFICE.

CHARLES GREEN AND WILLIAM WILSON, JR., OF WILMINGTON, DELAWARE.

IMPROVEMENT IN METALLIC CANS.

Specification forming part of Letters Patent No. **201,666,** dated March 26, 1878; application filed February 23, 1878.

To all whom it may concern:

Be it known that we, CHARLES GREEN and WILLIAM WILSON, Jr., both of Wilmington, in the State of Delaware, have jointly invented a new and useful Improvement in Metallic Cans, of which we do hereby declare the following to be a full, clear, and exact description, and sufficient to enable those skilled in the art to which it appertains to make and use our said improvement.

Our invention relates to the class of hermetically-sealed sheet-metal cans used for the preservation of paints, vegetables, or other articles; and has for its object the construction of a can which, although sealed by means of solder, can yet be easily opened without section; to which end it consists substantially in the combination, with a can-body provided at or near its chine with an outwardly-extending circumferential flange, and a cover which rests upon and is soldered to said flange, of a driving-hoop, of sheet-iron or other rigid material, surrounding the cover and resting upon the flange, but made separate from the can and unconnected therewith, save by frictional contact with the cover, and adapted to open the can when driven down by depressing the flange and so cracking the solder.

It further consists in the combination, with said flange and can-body, of a compressible corrugation, when the corrugation is itself formed of the upper portion of the body, and by its extension itself forms the flange.

Of the drawings, Figure 1 represents, in perspective, a can embodying our invention. Fig. 2 is a partial central sectional detail of the can before opening; Fig. 3, a similar view after opening.

Similar letters of reference indicate corresponding parts in all the figures.

A is the body of the can, the chine of which is just beveled inward, so as to form a circumferential corrugation, *a*, opening out, and then is flared outward, so as to form a horizontal projecting flange, *b*. B is the cover, of about the diameter of the can-body, and adapted to be rested upon and soldered at D to the flange *b* above the corrugation *a*. C is a circular driving-hoop, of sheet-iron or other unyielding material, adapted to closely embrace the cover and rest upon the flange. The height of the hoop is greater than the depth of the rim of the cover. It is so closely fitted to the cover that in the ordinary uses of transportation and storage it is held in place by frictional contact therewith.

Such being the construction of my invention, it is operated, in the opening of the can, by simply driving down the hoop, whereby the flange is bent down, the corrugation compressed, and, by the leverage of the bending of the flange, the solder broken, all as clearly represented in Fig. 3.

Although we have described a corrugation in combination with the flange, it is not essential to the invention, although of use in facilitating the construction of the can and the depression of the flange in opening.

It is obvious that a can of the construction described can be opened by omitting the hoop from the same, in which case it might be opened by striking down the flange, by the use of an equivalent of the said hoop, such as a hammer, glazier's knife, &c.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

1. The combination, with a can, of an outwardly-projecting annular flange, *b*, and corrugation *a*, and a cover resting upon and soldered to said flange, substantially as and for the purposes set forth.

2. In combination with a can-body, A, provided with an outwardly-projecting flange, *b*, and a cover resting upon and soldered to said flange, a driving-hoop surrounding said cover, substantially as and for the purposes set forth.

3. The circumferential corrugation *a*, in combination with the can-body A and the flange *b*, substantially as described.

In testimony whereof we have hereunto signed our names this 18th day of February, A. D. 1878.

CHARLES GREEN.
WM. WILSON, JR.

In presence of—
W. GREEN,
JOSEPH DE GODT.