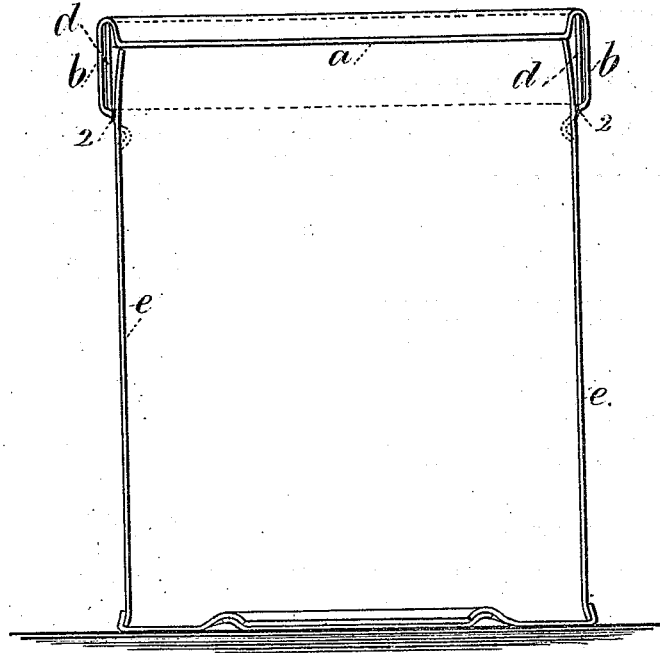


J. S. FIELD.
SHEET-METAL CANS.

No. 187,260.

Patented Feb. 13, 1877.



Witnesses:

Chas. H. Smith
Harold Ferrell

Inventor.

Joseph S. Field.
per L. W. Ferrell.
[Signature]

UNITED STATES PATENT OFFICE.

JOSEPH S. FIELD, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SHEET-METAL CANS.

Specification forming part of Letters Patent No. 187,260, dated February 13, 1877; application filed January 2, 1877.

To all whom it may concern :

Be it known that I, JOSEPH S. FIELD, of Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Sheet-Metal Cans, of which the following is a specification :

Cans have been made with a space between the upper edge of the can and the inner surface of the cover, so that pressure can be applied to the cover to break the soldered joint. In these cans the materials with which they are filled are liable to pass into the space between the cover and the can, and become packed. This is a loss, as well as interfering with the opening of the can.

Sheet-metal cans have also been made with the cover resting upon the upper edge of the can, and with a corrugation or inclination in the edge of the can that yields when pressure is applied to break the solder that unites the cover to the can; and in Letters Patent granted to me January 9, 1877, there is a band of sheet-iron between the interior of the rim and the can, to aid in breaking the joint.

My present invention is made to enable me to use the said sheet-iron band in cans where the cover rests upon the upper end of the body.

In the drawing I have shown a section of a can with the cover in place.

The cover *a* is made with a rim, *b*, either separately or in one piece, and the edge of the rim is bent inwardly, so that the line of solder at the joint 2 may be weak and easily broken. The edge of the cover projects upwardly as a circular rib at the junction of the flat portion

of the cover with the rim *b*, and within the rim *b* is the band *d*, preferably of sheet-iron, and the upper edge thereof is within the circular rib, and the lower edge is adjacent to the line of solder at 2. The cover of the can is put upon the body, and the inner surface of the cover rests directly upon the top edge of the body *e*, or there may be an elastic washer or disk intervening.

In order to open the can it is only necessary to strike the edge of the cover in three or more places with a hammer or other instrument, to indent the annular rib, and in so doing drive the band *d* toward the soldered joint 2, and thus break the same and separate the edge of the cover from the body of the can.

There may be a rib or corrugation in the sheet metal, as shown by dotted lines, to stiffen the same.

I claim as my invention—

The cover of a sheet-metal can, having an annular rib at the junction of the rim *b* with the flat portion *a*, in combination with the metal band *d* within the rim, and extending into the circular rib, and the body *e*, against which the flat portion *a* of the cover rests, (with or without a packing,) and the rim being united to the body by a soldered joint at 2, substantially as set forth.

Signed by me this 30th day of December, A. D. 1876.

JOSEPH S. FIELD.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.