G. H. PERKINS & J. H. PERKINS,

S. A. J. PERKINS, ADMR'X., of J. H. PERKINS, Dec'd.

Metallic Can.

No. 202,371. Patented April 16, 1878.

Fig. 1

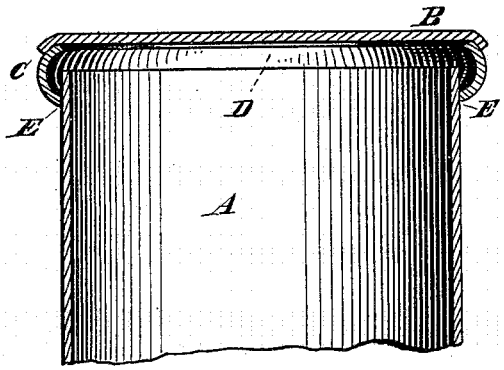
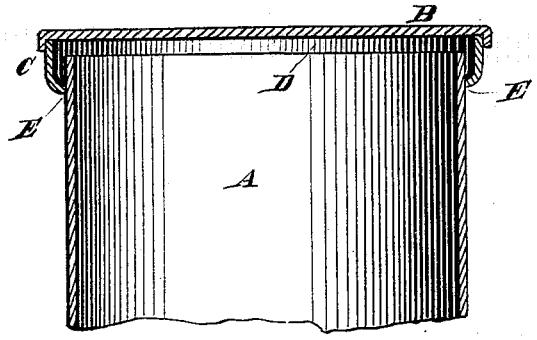


Fig. 2



Attests

R. Whittemore

W. C. Strawbridge

Inventors.

George H. Perkins,
Sarah A. J. Perkins, Admx
of James H. Perkins, deceased
By their Attorney
J. Bonsall Taylor

UNITED STATES PATENT OFFICE.

GEORGE H. PERKINS AND SARAH A. J. PERKINS, (ADMINISTRATRIX OF JAMES H. PERKINS, DECEASED,) OF PHILADELPHIA, PENNSYLVANIA; SAID SARAH A. J. PERKINS ASSIGNOR TO SAID GEO. H. PERKINS.

IMPROVEMENT IN METALLIC CANS.

Specification forming part of Letters Patent No. **202,371**, dated April 16, 1878; application filed March 26, 1878.

To all whom it may concern:

Be it known that GEORGE H. PERKINS and JAMES H. PERKINS, both of the city and county of Philadelphia, in the State of Pennsylvania, did invent a new and useful Improvement in Metallic Cans, of which the following specification is hereby declared by us to be a full, clear, and exact description, and sufficient to enable those skilled in the art to which our improvement appertains to comprehend and construct it, reference being had to the accompanying drawing, which forms part of this specification, and of which both the figures are central sectional elevations of cans embodying this invention.

This invention relates, in general, to that class of hermetically-sealed metallic cans in which the parts which are to be separated to open the can are joined by solder, such parts being intentionally constructed and arranged to move toward each other upon the application to either of such parts of force properly directed and sufficient to break the solder.

It relates, also, more specifically, to that class of sheet-metal cans in which the top is united to the body by solder, designedly of such frangibility as to yield to direct violence, and which are provided with an interspace between the upper chine and the inner surface of the cover, which permits the cover and body to approach each other when sufficient force is applied to either to part the solder, cans so constructed being our invention, and being secured by other patents.

It consists, first, in sheet-metal cans of the class above described, of a cover constructed with a rim arranged at an oblique angle or curve to the sides of the can, the said rim being united to the said sides by a frangible seam or joint, and there being an interspace between the upper chine of the body and the inner side of the top of the can, for the purpose above set forth.

It further consists, in sheet-metal cans of the class above described, of a cover constructed with a rim depending vertically, and having its lower portion arranged at an angle or curve to the sides of the can, the said rim being united to the said sides by a frangible seam or joint, and there being an interspace between the upper chine of the body and the inner side of the top of the can, for the purpose above set forth.

With reference to the drawings, in which similar letters of reference indicate corresponding parts, Figure 1 is a representation of the first form of the present invention, the can being shown sealed up and ready for opening. A is the body; B, the cover, put partially on the body. The rim C is curved or angled inward, so as to insure contact with the body at but a single circumferential line, so as to render it impossible for the solder to run in beneath the line of juncture, and secure the lid so strongly that it cannot be easily broken down and opened. D is the interspace.

In Fig. 2 the second form of this invention is shown, in which the lower edge of the rim is represented as bent sharply in, for a similar purpose, and also to give a leverage upon the joint in opening.

Any solder whatever or metallic cementing material which is sufficiently strong to retain the cover and body in contact while the can is in ordinary use, and which will yet be sufficiently frangible to yield under the application of force designedly applied to rupture it, will answer the purposes of this invention.

It is obvious that the effect will be the same, whether the force is applied to the body or to the cover.

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

1. In a sheet-metal can of the class herein described, the cover B, constructed with the rim C arranged at an oblique angle or curve to the sides of the can, the said rim being united to the said sides by a frangible seam or joint, and there being an interspace, D, be-

tween the upper chine of the body and the inner side of the cover, substantially as and for the purpose specified.

2. In a sheet-metal can of the class herein described, the cover B, constructed with the rim C depending vertically, and having its lower portion arranged at an angle or curve to the sides of the can, the said rim being united to the said sides by a frangible seam or joint, and there being an interspace, D, between the upper chine of the body and the inner side of the cover, substantially as and for the purpose specified.

GEORGE H. PERKINS.
SARAH ANN JANE PERKINS,
Administratrix of the estate of
James H. Perkins, deceased.

Witnesses:
J. BONSALL TAYLOR,
W. C. STRAWBRIDGE.