

Le Compte & Perkins,

Sheet Metal Cans.

N^o 104,747.

Patented June 28. 1870.

Fig. 1.

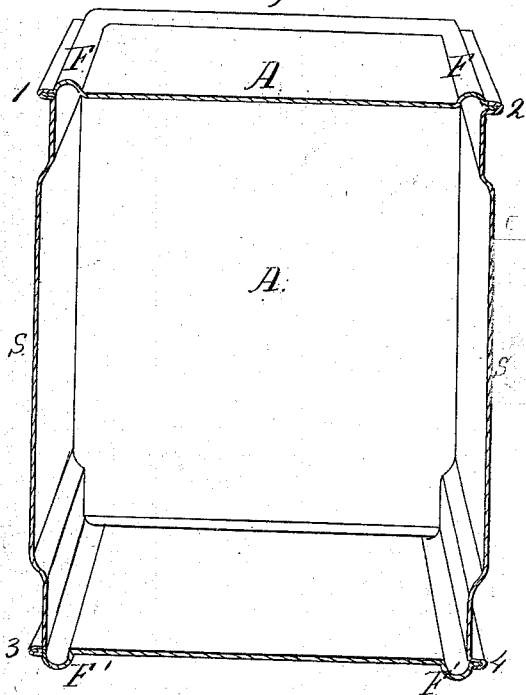


Fig. 3

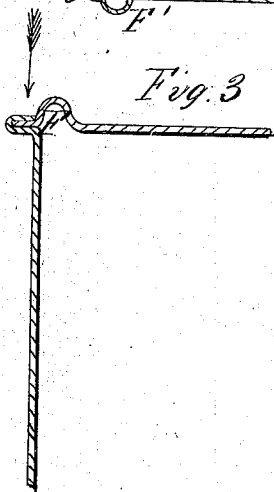
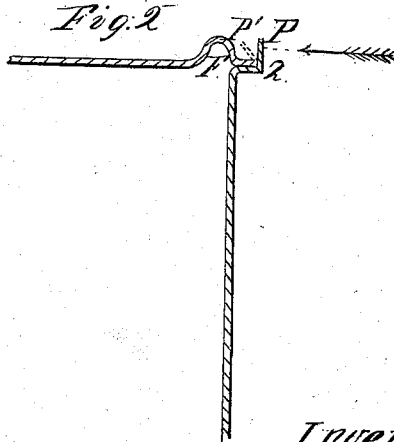


Fig. 2



Witnesses;
James P. McLean
Anne S. McLean.

Inventors;
Jos Lecomte
Geo. H. Perkins.

UNITED STATES PATENT OFFICE.

JOSEPH LE COMTE AND GEORGE H. PERKINS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SHEET-METAL CANS.

Specification forming part of Letters Patent No. **104,747**, dated June 28, 1870.

To all whom it may concern:

Be it known that we, JOSEPH LE COMTE and GEORGE H. PERKINS, of the city of Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in the Construction of the Seams of a Metallic Can or Cans; and we hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, which is lettered to correspond with and form part of this specification.

To enable the public to understand the nature of our said improvement, and in what manner the same is to be constructed, we will describe it as follows, to wit:

Figure 1 is a perspective drawing of a vertical section of a can, A, having expanded sides S S, and provided with fluted heads, having the convex surface of the fluting F on the outside of the can, as shown in drawing.

Fig. 2 represents a vertical section of the horizontal seam 2, showing the arrangement of the several parts thereof preparatory to forming the union of the top and bottom with the sides of a can by means of suitable dies for pressing the heads and sides into shape or form, preparatory to using the horizontal pressure for inclining the upper edge P of the side S inward until it reaches P'.

Fig. 3 represents a vertical section of seam 1 after the vertical press has been used.

This seam is produced, first, by employing a horizontal pressure to turn the lap P inward, as shown at Fig. 2. Then the vertical or drop press, having suitable dies, instantaneously closes the entire seam or joint, which unites the head to the sides of the can A at a single blow, ready for soldering.

The object of the flutes F F is, first, to form a guide for the soldering-iron while the can is being soldered; secondly, to form a flexible top and bottom that will yield to the expansion of the contents of the can A without injury to the can itself.

The nature of our improvement consists in the combination of the horizontal flanges M and C with the lap of the edges of the top and bottom of the can.

What we claim as our improvement, and what we wish to secure by Letters Patent of the United States, is—

The expanded sides S S, in combination with the horizontal seams 1 2 3 4 and flutes F, as shown in the drawing, all arranged and operating in the manner and for the purpose set forth.

In testimony whereof we hereunto subscribe our names in the presence of two witnesses.

JOS. LE COMTE.
GEO. H. PERKINS.

Witnesses:

JAMES P. McLEAN,
ANNE S. McLEAN.