

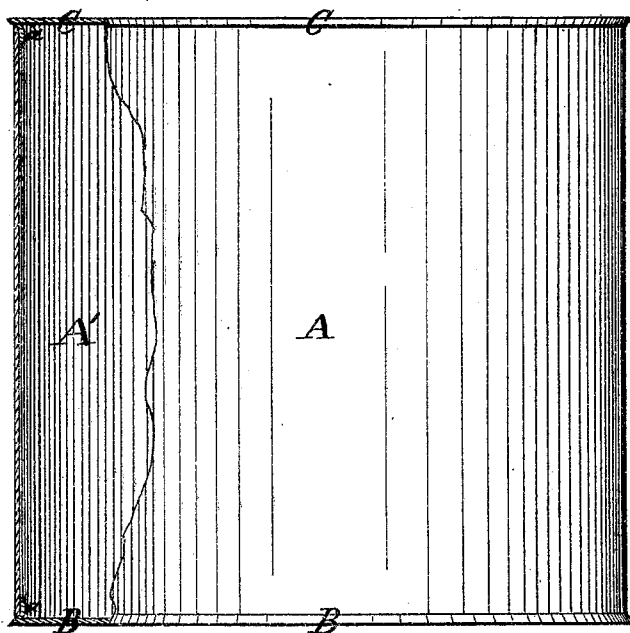
(136.)

SCHUYLER E. GUNN.

Improvement in Tin Cans.

No. 121,869.

Patented Dec. 12, 1871.



Witnesses

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UNITED STATES PATENT OFFICE.

SCHUYLER E. GUNN, OF CHICAGO, ILLINOIS, ASSIGNOR TO FRANK STURGES & CO., OF SAME PLACE.

IMPROVEMENT IN TIN CANS.

Specification forming part of Letters Patent No. 121,869, dated December 12, 1871.

To all whom it may concern:

Be it known that I, SCHUYLER E. GUNN, of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Tin Cans; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art, to which my invention appertains, to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which the figure is a side view of my improved tin can, a portion of which is broken away, showing the manner in which the top and bottom are secured to the sides.

My invention relates to the construction of tin cans; and consists in stamping or pressing the top or cover and bottom, each by one operation, so that the difficult and deteriorating process of crimping is entirely obviated, and in such a manner that the ribs or flanges raised will be inside the body or case when soldered; the whole of which will be more fully understood from the following description.

In the drawing, A represents the body of the can, a portion of which is broken away, as shown at A'. B represents the bottom of the can, and C the top or cover. I construct the top or cover and bottom of the can by pressing the same in such a manner as to form an annular rib or flange, *a*, which is so arranged as to fit the inner side of the body or case, as shown in the drawing. The body of the can is made in the usual way, and firmly secured or soldered to the top and bottom; as above. By this construction, I am enabled to make a much stronger can and

one less liable to leak, for the reason that the flanges of the top and bottom being soldered against the inside of the body they form a stay or support for the same, and so strengthen the can to resist shocks or blows which would otherwise seriously injure if not render it entirely useless. This construction also has an advantage from the fact that the solder will have a better opportunity of flowing into the seam than it has now in cans whose tops and bottoms are crimped in the old style. Another advantage which I claim for cans made in this way is that on account of the very slight projection of the top and bottom beyond the body they may be packed closer and stacked higher than any other cans now in use. Still another advantage will arise from the fact that a poorer quality of tin plate may be used in pressing the tops and bottoms in my manner of construction than could possibly be used in the old way of crimping, which is very apt to crack or tear the metal.

Having thus described the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

Stamping or pressing the top or cover and bottom of a tin can, so as to form an annular rib or flange, *a*, and soldering the same to the inside of the body or case, substantially as specified.

The foregoing specification of my invention signed by me this 22d day of September, A. D. 1871.

SCHUYLER E. GUNN.

Witnesses:

WILLM. EDGAR,
N. C. GRIDLEY.

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