

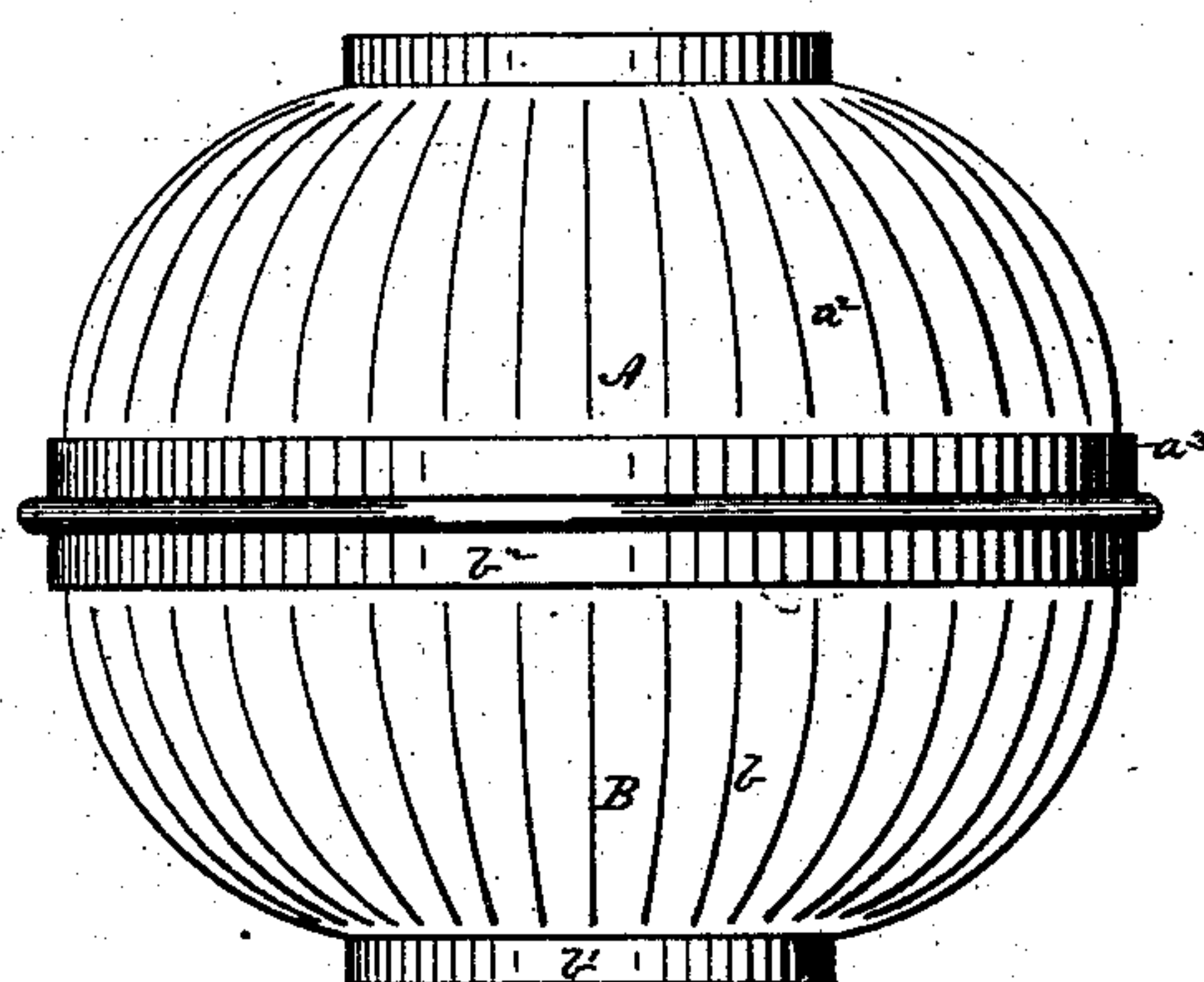
(No Model.)

A. STEWART.  
SHEET METAL CAN.

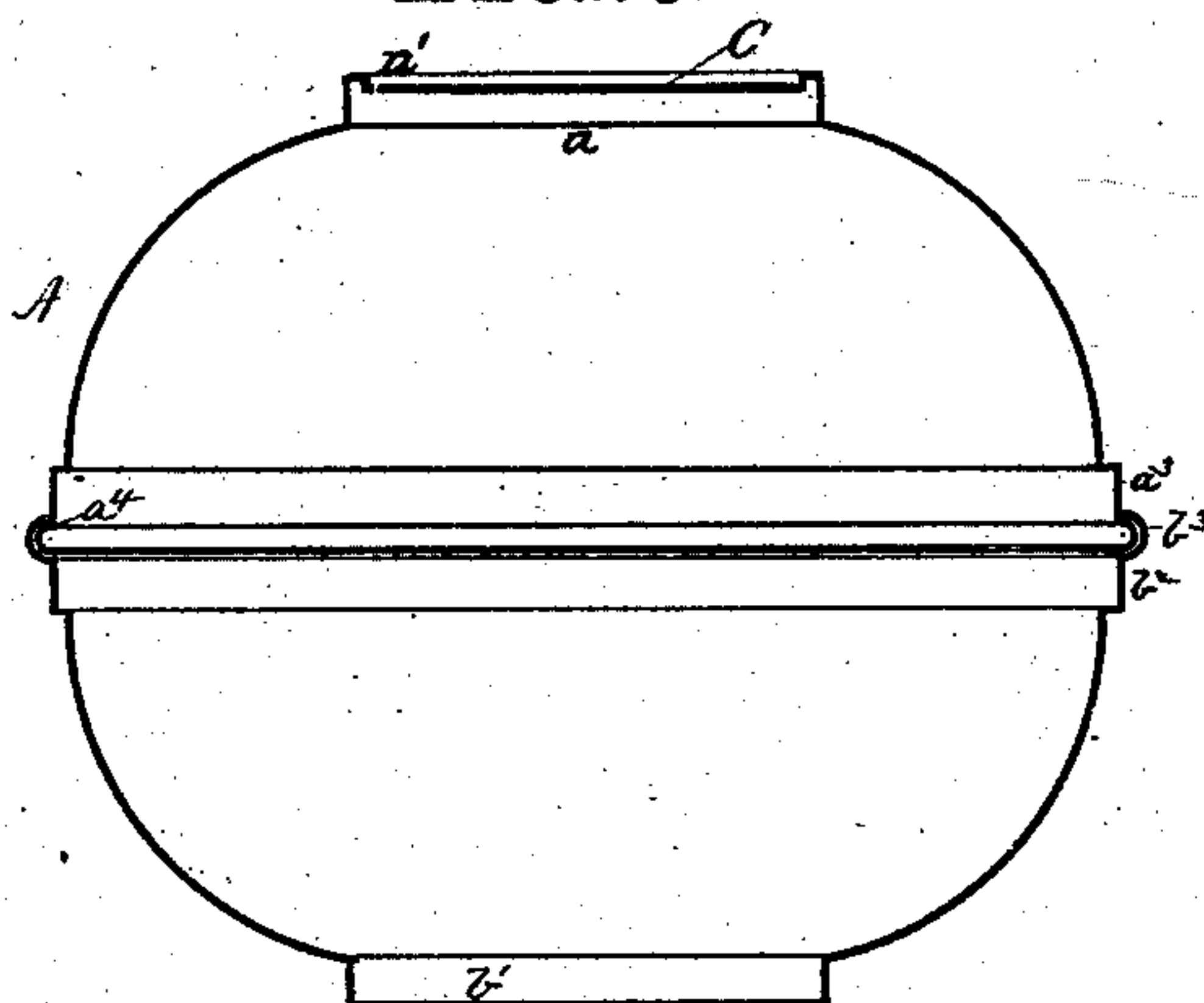
No. 290,135.

Patented Dec. 11, 1883.

*Fig. 1.*



*Fig. 2.*



**Witnesses:**

Wm H. Powell.

A. A. Connolly

**Inventor.**

Alexander Stewart,  
By Connolly Bros.,  
Attorneys

# UNITED STATES PATENT OFFICE.

ALEXANDER STEWART, OF PHILADELPHIA, PENNSYLVANIA.

## SHEET-METAL CAN.

SPECIFICATION forming part of Letters Patent No. 290,135, dated December 11, 1883.

Application filed May 7, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER STEWART, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Sheet-Metal Cans; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a side elevation and Fig. 2 a vertical section.

My invention has for its object to provide a new form or kind of a sheet-metal can—i. e., one composed of two corrugated shells, provided with a lid or top and a supporting-base.

In carrying my invention into effect, I produce two corrugated shells, which are nearly or about hemispherical in shape, flattened at their poles or apexes. These shells I obtain by stamping up flat sheet metal in a suitable die or press, the stamping operation giving the shape to the shells and also corrugating the same. One of these shells has a flat center, which forms the bottom of the can. The other has an opening in the center, to which a disk is applied, forming the top of the can. The edges of the shells are left plain or smooth, to afford an even surface for the reception of a label.

Referring to the accompanying drawings, A indicates the top shell of the can, formed with a central opening,  $a$ , the edge of which is turned in making a flange,  $a'$ . The sides of said shell are corrugated, as shown at  $a^2$ , and the portion of the shell below or beyond said corrugations, and indicated by the letter  $a^3$ , is plain. The edge or rim of the shell A is also flanged, as shown at  $a^4$ .

B represents the bottom shell, corrugated at  $b$ , and having a flat bottom,  $b'$ . Beyond or above these corrugations is a smooth space or band,  $b^2$ , which has a flange,  $b^3$ . The shells being brought together, the flanges fit, as shown,

one inside the other. Then by the application of a suitable tool or by a die the flanges are forced together, producing a lap-joint. This completes the body of the can, which may be closed, when required, either by a slip-top or by a disk, C, soldered around its edges to the flange  $a'$ .

A can of this construction may be constructed at relatively small cost, and will be found strong and durable, the corrugations imparting strength and affording resistance to external compression or impact. The plain part around the middle of the body affords suitable surface for the attachment of a label or trade-mark; but in cases where no label is desired to be attached it is not necessary to make the can with this plain part.

While I have shown and described a can which is substantially or approximately a sphere with flattened poles, yet, as my invention is not limited to design or configuration, I beg to state that I reserve the right to make the cans of any suitable shape, as the mere form can be varied without departing from the principle of my invention, so that cans made according to it may be square, octagonal, oval, or of other figure in transverse section with corrugated sides.

What I claim as my invention is as follows:

1. A sheet-metal can consisting of two corrugated shells, the lower one having a flat bottom, the upper one a central opening with flange  $a'$ , substantially as shown and described.
2. A sheet-metal can composed of two corrugated shells joined at their edges, one of said shells having a flat bottom, the other a central opening closed by a lid, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 1st day of May, 1883.

ALEXANDER STEWART.

Witnesses:

M. D. CONNOLLY,  
WM. H. POWELL.