

No. 730,739.

PATENTED JUNE 9, 1903.

C. S. BUCKLIN.
CAN CAP.

APPLICATION FILED JAN. 17, 1903.

NO MODEL.

Fig. 1

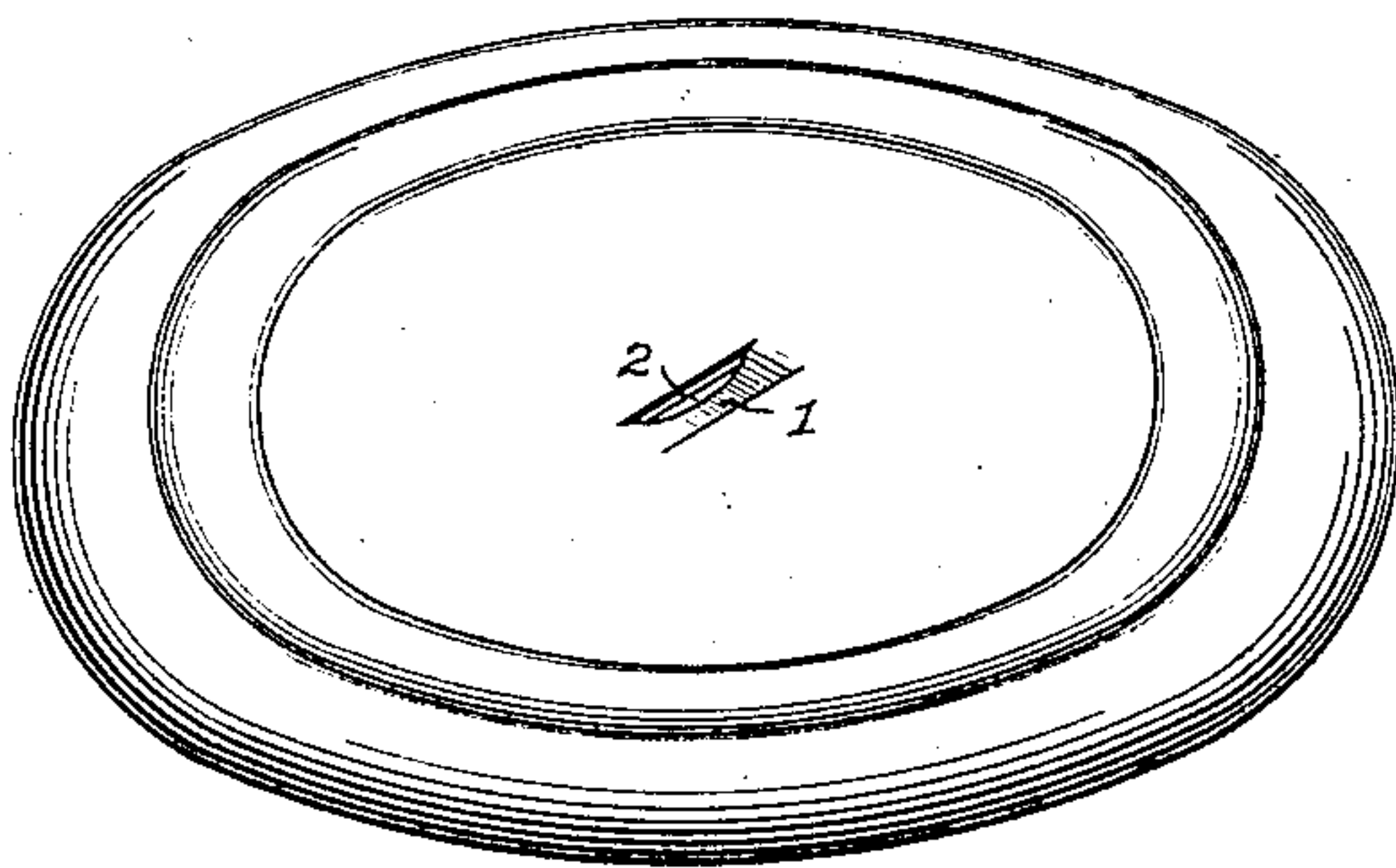


Fig. 2

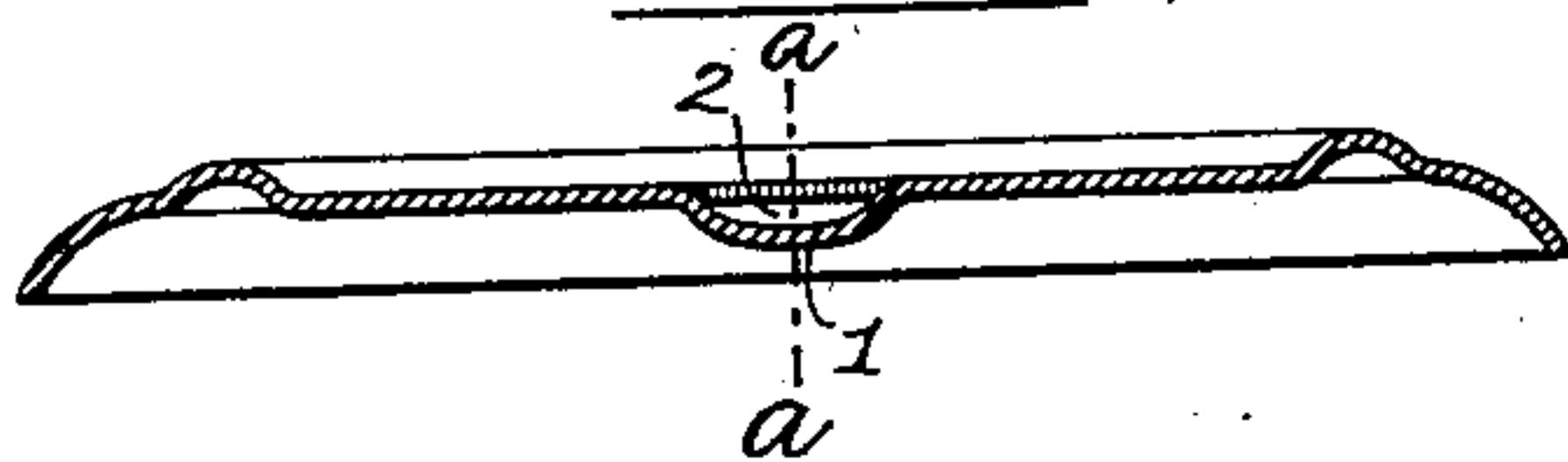


Fig. 3

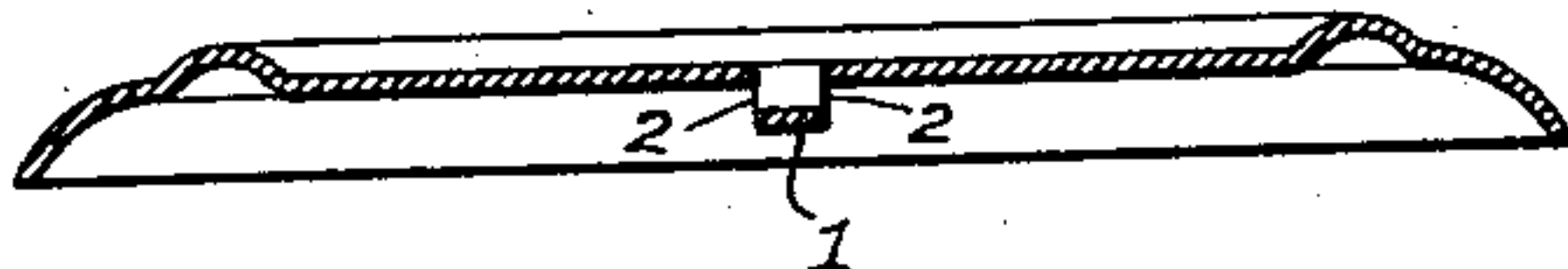
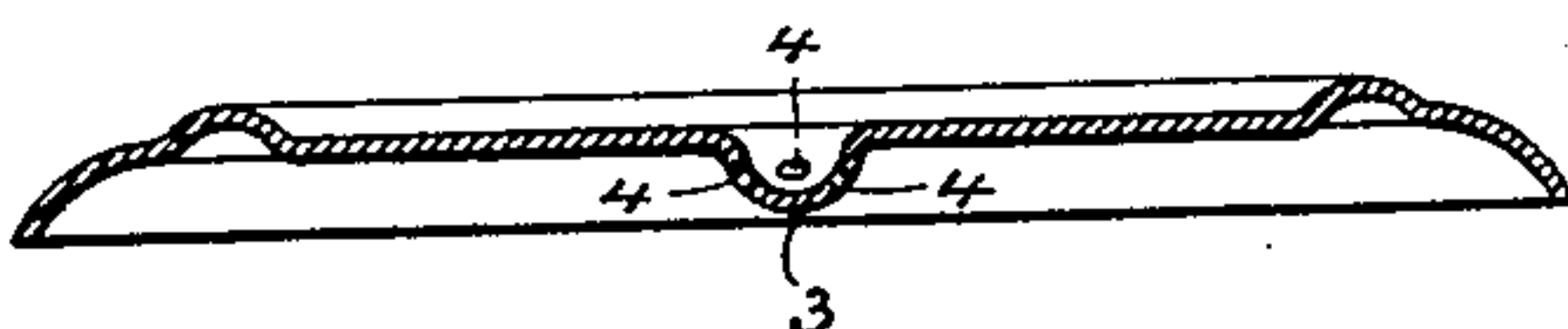


Fig. 4



Witnesses:-

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UNITED STATES PATENT OFFICE.

CHARLES S. BUCKLIN, OF REDBANK, NEW JERSEY.

CAN-CAP.

SPECIFICATION forming part of Letters Patent No. 730,739, dated June 9, 1903.

Application filed January 17, 1903. Serial No. 139,428. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. BUCKLIN, a citizen of the United States, and a resident of Redbank, Monmouth county, New Jersey, have invented certain Improvements in Can-Caps, of which the following is a specification.

My invention relates to that class of can-caps which have a central vent-opening in order to permit the escape of air or vapor from the can while the cap is being soldered in place and which have also on the under side of the cap a shield or guard for preventing access of the contents of the can to said vent-opening, the object of my invention being to so construct the cap that the use of a separate piece of metal for such shield or guard is rendered unnecessary. This object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a can-cap constructed in accordance with my invention. Fig. 2 is a section of the same. Fig. 3 is a section on the line *a a*, Fig. 2; and Fig. 4 is a view similar to Fig. 2, but illustrating another form of vent embodying my invention.

Caps for hermetically-sealed cans are usually provided with a central vent-hole to permit of the escape of air or vapor from the upper portion of the can during the operation of soldering the cap in place, this vent-opening being subsequently closed by a drop of solder.

The objection to the ordinary vent-opening in the cap is that it is liable to become obstructed by the contents of the can, so as to fail to perform its intended function, and it permits solder to drop into the can when the vent-hole is being sealed. This objection has been overcome by soldering or otherwise securing to the under side of the cap another piece of metal, which shields the opening, but is so bent as not to prevent access of air or vapor thereto. The objection to this plan is the trouble and expense of securing in place the separate piece of metal serving as the shield or guard for the vent-opening. In car-

rying out my invention with the view of overcoming this objection I press from the sheet metal of which the cap is composed a strip 1, so as to form in the top of the cap a depression somewhat deeper than the thickness of the metal, thereby forming lateral openings 2 at the sides of said depression, through which the interior of the can can be freely vented during the operation of soldering the cap in place, these lateral vent-openings not being subject to obstruction by the contents of the can, for the depressed strip 1 serves to prevent the rise of said contents to such an extent as to close the said lateral openings 2. After the cap has been secured in place and the can properly vented the openings 2 are closed by a drop of solder deposited in the depression. No part of this solder can, however, drop into the can, as the presence of the strip 1 will effectually prevent such dropping of solder.

In that embodiment of my invention shown in Fig. 4 the cap has a cup 3 pressed up therefrom, and this cap has vent-openings 4 in the sides of the same. This construction has the same advantages as that shown in Figs. 1, 2, and 3.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. A can-cap having a portion of the metal of the cap bent inwardly and having lateral vent formed at the sides of the depression, substantially as specified.

2. A can-cap slitted to form a strip, said strip being pressed inwardly from the metal of the cap to a greater extent than the thickness of the cap so as to provide lateral openings at the sides of the depression, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES S. BUCKLIN.

Witnesses:

WILL. A. BARR,
JOS. H. KLEIN.