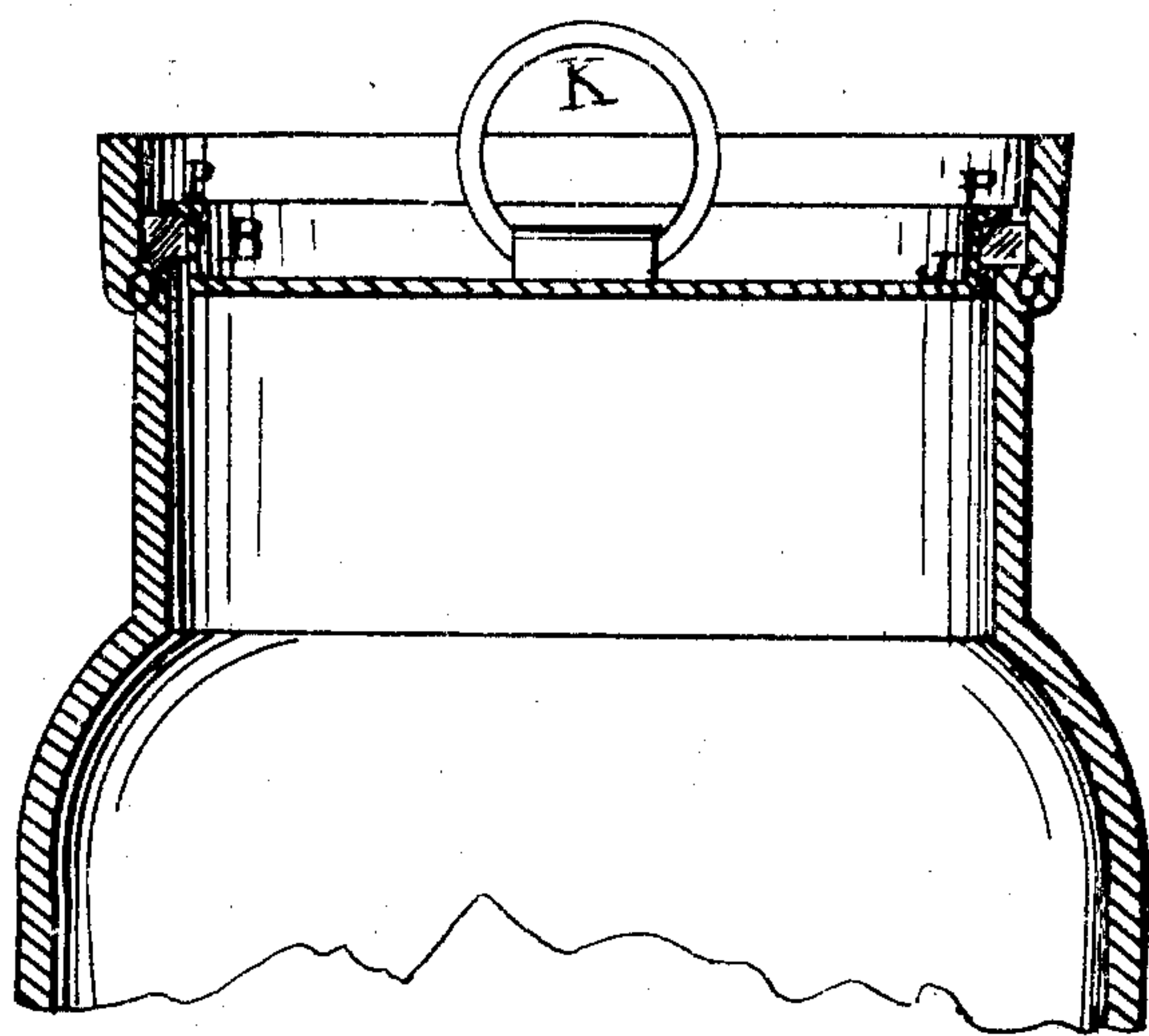


C. S. Siddons,
Fruit-Jar,

Nº 75.993

Patented Mar. 24. 1864.



Witnesses

Wm. S. Loughborough
Jas. L. Loughborough

Inventor

Chas. S. Siddons

United States Patent Office.

CHARLES S. SIDDONS, OF ROCHESTER, NEW YORK.

Letters Patent No. 75,993, dated March 24, 1868.

IMPROVEMENT IN FRUIT-JARS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES S. SIDDONS, of the city of Rochester, State of New York, have invented a new and useful Fruit-Jar; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making part of this specification, in which the figure is a vertical section of my invention.

This invention consists in providing fruit jars with a cover and neck that will exclude the air by the atmospheric pressure on the cover, after it is filled with fruit and sirup.

To enable others to make and use my invention, I will describe its construction and operation.

I make my jar with a neck, having a projection on the inside for the cover and packing to rest on, shown at O O. I form my cover by taking a piece of tin of sufficient size, and with die, or other suitable machine, make it concave, so that a rim, B, is formed around the outside, at right angles to the bottom, or nearly so, as shown at J J, at the same operation turning a flange, P P, on this rim, and thus formed, the diameter of the flange will be a little less than the diameter of the mouth of the jar, so that it will enter easily, but larger than the diameter of the inside projection of the neck at O O, so that the cover will have a substantial bearing on the projection. I put a suitable packing between the cover and projection O O to make it air-tight. To the top of the cover, I attach a ring, K, for the purpose of drawing it from the jar.

The mode of using this jar and cover is to fill it with fruit and sirup, up nearly to the projection O O, while hot, and then spring the packing-ring over the vertical portion of the cover, and place the cover with the packing so applied within the neck, and press it down to the projection O O.

The operation of this cover is such that, as the fruit cools, a vacuum is formed to a certain extent in the jar, and it is pressed down by the outside atmosphere. It will be seen that the packing is confined on two sides by the rim B and the flange P P, and on the other two sides by the projection O O and the neck of the jar, and thus a perfect joint is effected by the atmospheric pressure.

The great desideratum gained with this cover is the cheap and efficient manner of producing it. A die can be made, so that it may be stamped out by one blow, and out of one piece of metal, thereby saving labor and material.

What I claim as my invention, and desire to secure by Letters Patent, is—

The fruit-jar cover, composed of a single sheet-metal plate, having a vertical rim, B, and projecting flange, P, and used in combination with the ordinary packing-ring A, and jar having an internal shoulder or projection, as and for the purposes set forth.

Witnesses:

WM. S. LOUGHBOROUGH,
H. LORENZO GAGE.

CHAS. S. SIDDONS.