(No Model.)

H. C. HUNTER.

PACKING VESSEL.

No. 492,803. Patented Mar. 7, 1893.

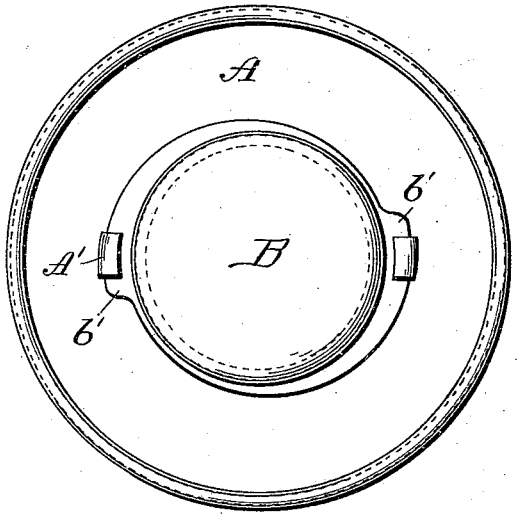

Fig. 1.

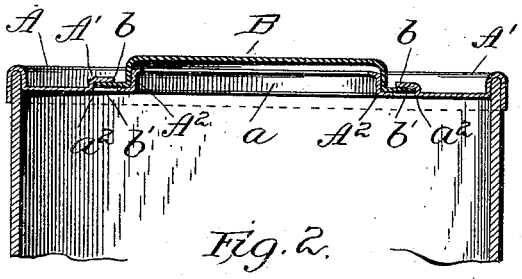

Fig. 2.

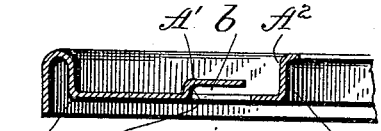

Fig. 3.

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UNITED STATES PATENT OFFICE.

HENRY C. HUNTER, OF ALAMEDA, CALIFORNIA.

PACKING-VESSEL.

SPECIFICATION forming part of Letters Patent No. 492,803, dated March 7, 1893.

Application filed September 8, 1891. Serial No. 405,079. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. HUNTER, a citizen of the United States, residing at Alameda, in the county of Alameda and State of California, have invented certain new and useful Improvements in Packing-Vessels; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

My invention is an improved fastening for the caps of packing vessels, which have a sheet metal head or cover ordinarily permanently attached to the body.

My object is to provide a secure, simple and inexpensive connection for holding the cap to the head or cover, and to provide therein for a practical tight closing of the cap.

The device is especially adapted for use in connection with packing cans or vessels, designed to contain tea or coffee, and other articles, in a dry condition and from which it is desirable to exclude the air.

My invention is shown in the accompanying drawings in which—

Figure 1 is a top view of a packing can containing my improved cap. Fig. 2 shows the upper end of such a can in vertical section. Fig. 3 is a detail view showing the locking lug.

In these drawings A represents the head of the can in its position on the body. This head is formed with a central opening about which is a neck A^2, formed of the metal of the head turned upward. As shown it is circular. A cap B is provided and is fitted in shape and size to close snugly over the neck in the same manner as caps are ordinarily fitted and closed. The cap, however, has an outwardly extended flange b' on the lower edge thereof, and it is so arranged and proportioned that when the cap is in place on the neck, the flange b' will rest snugly upon the upper surface of the head. The flange is shown as having two eccentric wings, these being ordinarily sufficient, but the number is not essential, nor is the particular shape. At proper points in the head of the can, in this case at two points directly opposite each other, I cut out tongues of the sheet metal, as shown at A′, and these are slightly pressed upward so as to be above the normal surface of the top, as shown more clearly in Fig. 3, but the space indicated by b is preferably left, when the parts are formed, a little less in depth than the thickness of the flange b'. These tongues A′ may be formed in the same operation in which the entire head is struck up. Supposing the cap to be set in place over the neck with the high parts of the eccentric flanges b' away from the tongues or lugs A′, and set down so as to bear upon the can top, the cap is turned and the high parts of the eccentric flanges move underneath the tongues, crowding snugly thereunder until the edges of said eccentric flanges bear against the surfaces A^2 of the tongues. The cap is then held tightly and snugly in place and the flanges cover the openings formed in the top by the striking up of the tongues, so that the top is tightly closed. A tight joint is made at b where the flange b' bears against the under surface of the tongue.

The filling orifice is shown at a.

I am aware that flanged caps held by other forms of lugs soldered upon the outside have been heretofore known, and my invention is therefore limited to the particular construction of the tongues formed out of the metal of the top and the arrangement of the held flanges to cover the holes so formed. A fastening of this sort may be provided with a seal by dropping any suitable wax over the tongues A′.

I claim—

In combination with the top of a packing can or other vessel, a tongue struck up from the metal of the top in combination with a cap having a flange adapted to pass under the tongue and to cover the hole formed in the top underneath the tongue, all substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY C. HUNTER.

Witnesses:

LEE D. CRAIG,

N. A. ACKER.