

No. 720,435.

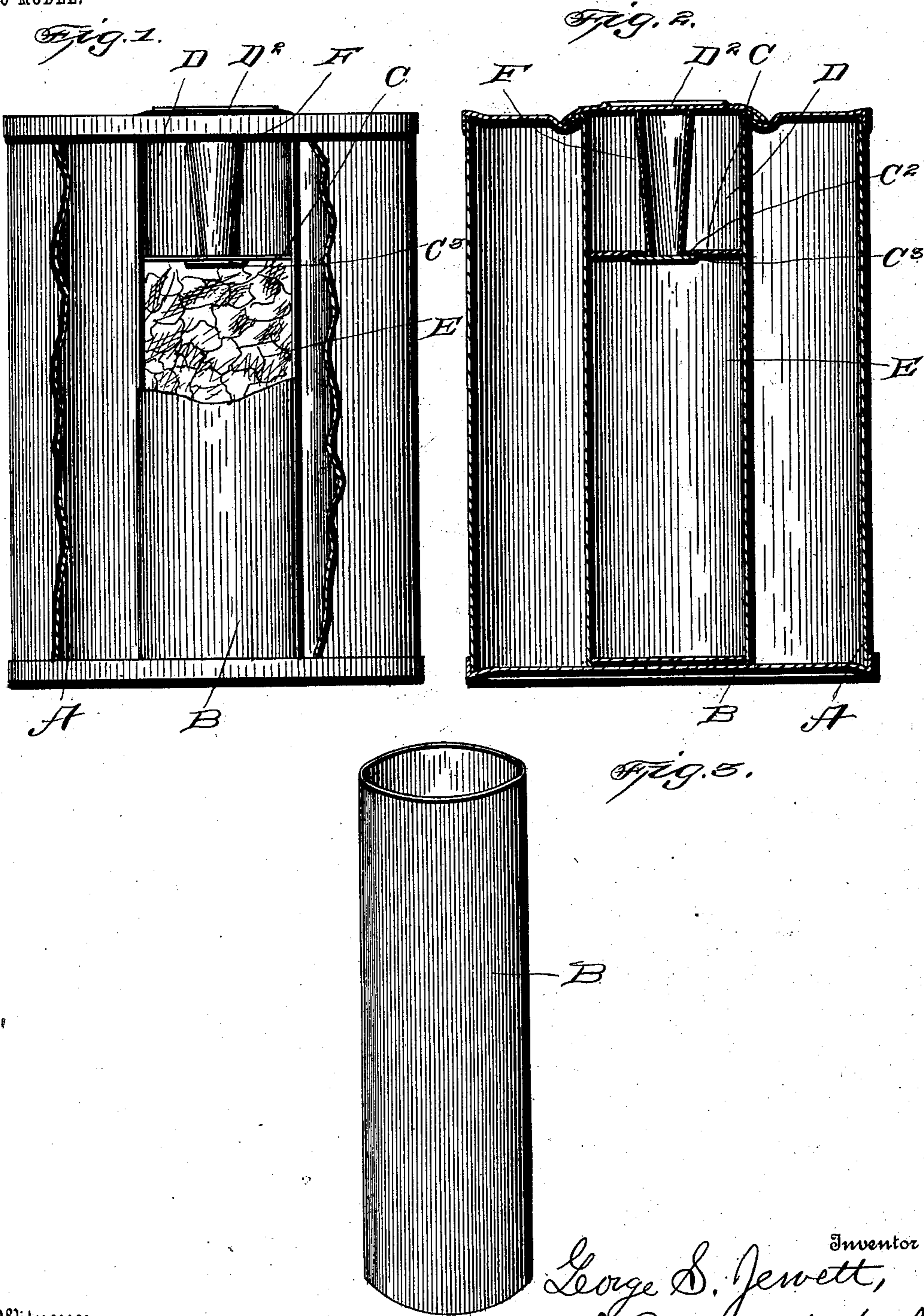
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G. S. JEWETT.

HEATING CAN FOR FRUIT OR VEGETABLES, &c.

APPLICATION FILED AUG. 7, 1902.

NO MODEL.



Witnesses

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# UNITED STATES PATENT OFFICE.

GEORGE SIDNEY JEWETT, OF NORRIDGEWOCK, MAINE.

## HEATING-CAN FOR FRUIT OR VEGETABLES, &c.

SPECIFICATION forming part of Letters Patent No. 720,435, dated February 10, 1903.

Application filed August 7, 1902. Serial No. 118,787. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE SIDNEY JEWETT, a citizen of the United States, residing at Norridgewock, in the county of Somerset and State of Maine, have invented certain new and useful Improvements in Heating-Cans for Fruit or Vegetables, &c.; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in the construction of fruit and vegetable packing cans; and it relates more particularly to that class of cans designed for packing fruits and vegetables, any construction of which provision is had for heating or cooking the contents of the can by means of lime or other substance being slaked by the introduction of water to a chamber containing said lime or other material adapted to generate heat when brought into contact with water.

To these ends and to such others as the invention may pertain the same consists in a peculiar construction of the can and in the novel combination, arrangement, and adaptation of parts, all more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, like letters of reference indicating the same parts throughout the several views, and in which drawings—

Figure 1 is a side elevation of a fruit or vegetable packing can embodying my invention, parts being broken away. Fig. 2 is a central longitudinal section through the can; and Fig. 3 is a perspective view of the central tube composing the lime and water chamber, the same being removed from the can.

Reference now being had to the details of the drawings by letter, A designates the can proper, which may be of any desired size or form.

B is a central chamber, which in the pres-

ent instance I have shown as tubular, but which, as it will be at once evident, may be rectangular or other form in cross-section. This central chamber B is divided, by means of a horizontal partition C, into upper and lower compartments D and E, respectively, the lower compartment E being designed to receive unslaked lime or a substance of like nature, which when brought into contact with water will serve to generate heat. The upper compartment D is provided with a central outlet passage-way C<sup>2</sup>, communicating with a lime-chamber E, the said outlet-passage C<sup>2</sup> being normally sealed by means of a metallic cap C<sup>3</sup>, which is soldered or otherwise detachably fastened over the under side of the passage.

The water-chamber D is provided at its upper end with a suitable cover D<sup>2</sup>, from the under side of which depends a punch F, having a hollow interior chamber extending throughout its entire length. The lower or cutting end of this hollow punch F rests normally on the upper face of the cap covering the outlet-passage in the partition separating the water-chamber and lime-chamber, while its upper end is secured to a cap, the marginal edge of which fits over the upper flanged end of the inner chamber, said cap being adapted to be displaced when a sharp blow is imparted to it by use of a hammer or other tool.

From the foregoing description of construction the operation of the device will be readily understood. The fruit or vegetables to be packed are placed in the space surrounding the central chambers, the lower compartment E is filled with unslaked lime or other substance of a like nature, the chamber D is filled with water, and the cap of cover D<sup>2</sup> is hermetically sealed in place, and the can is thus in condition for packing, shipment, or storage. When it is designed to heat or cook the fruit or vegetables contained within the can, it is simply necessary to impart a blow to the upper end of the punch at the upper end of the can, the effect of which blow will serve to force the punch downward against the cap C<sup>3</sup>, covering the outlet of the water-chamber, thus permitting the water to enter the chamber containing the lime, and the blow at the same time serving to detach the cap

from the upper end of the punch, thus providing a free vent to the lime-chamber through the central opening of the punch. The heat generated by the slaking of the lime will be at once imparted through the thin walls of the compartment to the fruit or vegetables contained within the space surrounding the same and will serve to warm or cook the contents of the can, thus rendering it possible to prepare either fruit or vegetables contained within the can for service without the necessity of building a fire, which is sometimes objectionable, especially in warm weather or where economy of time is desired. It will also be evident at once that the construction of a can such as I have described would render it possible to use canned goods, which in order to be palatable are required to be heated upon such occasions as picnics and upon camping expeditions, where it would be impossible to provide means for otherwise warming or cooking the contents of the can.

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

1. In combination with the packing-can, a central chamber extending the entire length

of said can and divided by a partition-wall forming two compartments adapted to receive lime and water, a cap secured over an aperture in said partition, a conical-shaped cutting-punch F normally resting upon said cap, and a cover secured to the outer end of said punch and resting over the upper flanged end of the wall of said inner chamber, as set forth. 35

2. In combination with a packing-can, a central cylindrical chamber having its upper end flanged and engaging over a beaded portion about a central aperture in the top of the packing-can, a partition dividing the central cylindrical chamber, a cap secured over an aperture in said partition, a conical-shaped punch resting on said cap, and a cover secured to the upper end of the punch and provided with a curved flange fitting over the upper flanged end of the wall of the inner chamber, as set forth. 45

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

GEORGE SIDNEY JEWETT.

Witnesses:

FORREST GOODWIN,  
DORA M. GOODWIN.