(No Model.)

M. A. CARTER.

FRUIT CANNER.

No. 411,854. Patented Oct. 1, 1889.

Fig. 1.

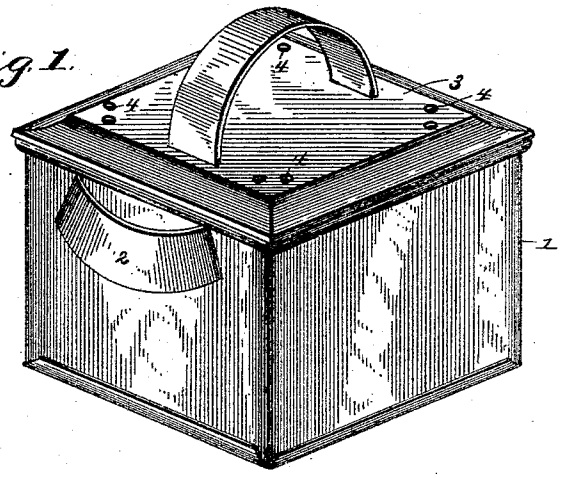


Fig 2

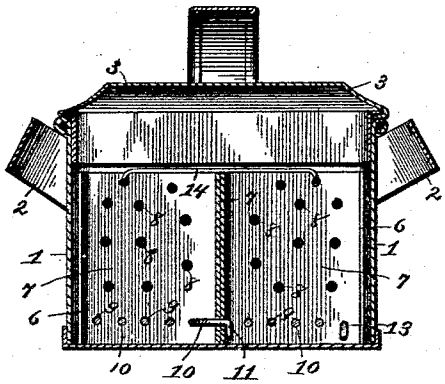


Fig. 3.

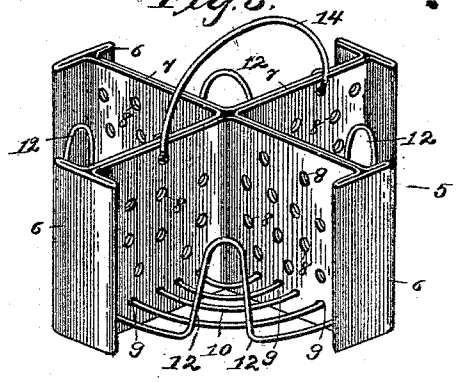
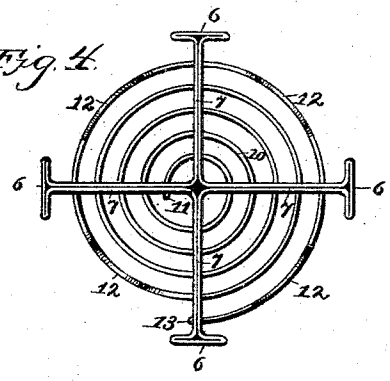


Fig. 4.



Witnesses:

E. Kurdeman

W. E. Duvall.

Inventor

By his Attorneys, Martha A. Carter.

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UNITED STATES PATENT OFFICE.

MARTHA A. CARTER, OF AMO, INDIANA.

FRUIT-CANNER.

SPECIFICATION forming part of Letters Patent No. 411,854, dated October 1, 1889.

Application filed June 29, 1889. Serial No. 315,988. (No model.)

To all whom it may concern:

Be it known that I, MARTHA A. CARTER, a citizen of the United States, residing at Amo, in the county of Hendricks and State of Indiana, have invented a new and useful Fruit-Canner, of which the following is a specification.

This invention has relation to fruit-canners of that class wherein cans of fruit are immersed in water and maintained at a boiling-point and then sealed.

Among the objects in view are to provide a suitable water-receptacle and a removable can receiving and supporting basket, said basket being constructed in a strong and serviceable manner, and adapted to support either one or a series of cans and maintain the same at a proper height in the water.

With these general objects in view the invention consists in a sheet-metal jacket or boiler provided with a cover perforated for the escape of steam, and, further, in a removable basket of X shape in cross-section, each of the arms of which terminate in guiding-flanges and are connected by a single piece of wire wound in convolute form from one arm to the other, the outer convolute being bent to form a spring-tongue intermediate each of the arms, all as will hereinafter appear in the following description, and be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a fruit-canner constructed in accordance with my invention. Fig. 2 is a transverse vertical section of the same. Fig. 3 is a detail in perspective of the hand-basket. Fig. 4 is a plan thereof.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents the boiler or jacket formed of sheet metal and preferably rectangular in cross-section and provided at its opposite sides with handles 2, and a cover 3, having perforations 4 near each of its corners.

5 represents the can-receiving basket, and in this instance is constructed in X form and thus adapted by reason of the four angles therein formed to accommodate four cans or a less number if desired. In constructing the X-shaped frame I prefer to employ a single piece of sheet metal, and by bending the same upon itself to form transverse guiding-flanges 6, and thence toward the center to form an arm 7, and so on forming arms and flanges, as will be readily understood. It will be noticed that each of the four arms terminate in a guiding-flange, and by reason of the bending of the metal upon itself forming these arms and flanges said arms and flanges will be of double thickness and rendered strong and rigid. Each of the arms 7 is provided with a series of transverse perforations 8, arranged indiscriminately, and are also near their lower edges provided with a series of uniformly-arranged perforations 9.

10 represents the wire bottom of the basket, and the same is composed of, preferably, but a single piece of wire, and is formed by beginning at one of the inner perforations and forming a bend, as 11; thence curving the wire to the second, third, and fourth inner perforation, and so on to the second perforation in the first arm, and thence to the second third, and fourth as before, until the outer series of perforations is reached, when the wire intermediate of each said outer perforations is bent upwardly and again downwardly to form a spring-tongue 12, and in the last of the perforations, or where the wire terminated, said wire is bent, as at 13, to prevent accidental withdrawal. Cans are placed in the angles formed by the arms 7, and the springs 12 take against the same to prevent their removal.

The operation of my invention is as follows: The basket is filled with cans and then lifted by means of the bail 14, provided and placed in the boiler 1, and around the same is poured cold water. The cover 3 is then placed on the boiler and the fruit allowed to become heated to a boiling-point, when the cover is removed and the basket lifted from the boiler and the cans immediately sealed.

I do not wish to limit my invention, viz: the inner basket in combination with the outer boiler, as no novelty is claimed for the latter, and any common boiling utensil may be used.

Having thus described my invention, what I claim is—

1. In a fruit-canner, the inner basket formed of a series of radial arms perforated and provided with a wire bottom, substantially as specified.

2. In a fruit-canner, the basket formed of

a series of arms which terminate in guiding-flanges perforated, and provided with a wire bottom having spring-tongues occurring intermediate each of the arms, substantially as specified.

3. In a fruit-canner, the inner basket formed with radial arms perforated for the passage of water, and provided at their lower ends with a series of perforations and a bottom formed of wire, which is passed in a convolute manner from one perforation in one arm to a corresponding perforation in an adjacent arm, and so on throughout the series, substantially as specified.

4. In a fruit-canner, a basket having a series of radial arms, the ends of which terminate in guiding-flanges, the flanges being formed integral with the arms, substantially as specified.

5. In a fruit-canner, the inner basket formed of a series of arms which are perforated and provided with a bottom having spring-tongues, which occur intermediate each of the arms, as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

MARTHA A. CARTER.

Witnesses:
T. L. STOKES,
MARGARET KENDALL.