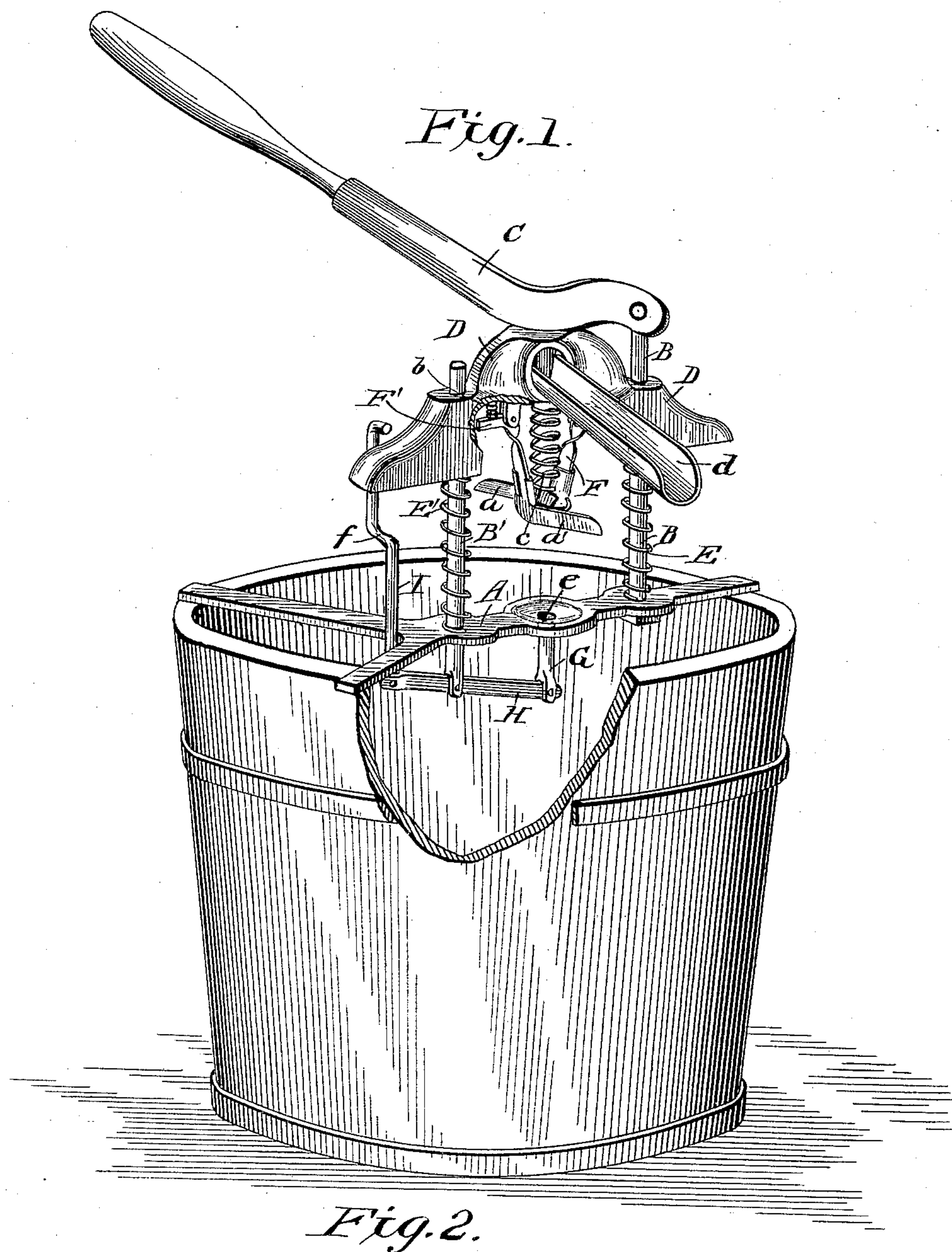


(No Model.)

J. C. BRYAN.
PEACH STONER.

No. 440,463.

Patented Nov. 11, 1890.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN C. BRYAN, OF FORDYCE, ARKANSAS.

PEACH-STONER.

SPECIFICATION forming part of Letters Patent No. 440,463, dated November 11, 1890.

Application filed February 6, 1890. Serial No. 339,494. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. BRYAN, of Fordyce, in the county of Dallas and State of Arkansas, have invented a new and useful Improvement in Peach-Stoners, of which the following is a specification.

The object of my invention is to provide a peach-stoner of simple and practical construction which shall in a single operation remove the stone and slice the peach into two or more sections in an expeditious and economical manner; and to that end it consists in the peculiar construction and arrangement of the parts of the same, which I will now proceed to describe, with reference to the drawings, in which—

Figure 1 is a perspective view of the machine applied to a bucket or pail, and Fig. 2 is a detail in perspective of the knives.

In the drawings, A represents a three-armed frame adapted to be supported upon a bucket, tub, or other suitable support. From this frame there rises a fixed rod or standard B, to the top of which is pivoted a hand-lever C. B' is another rod or standard erected upon the main frame A and extending through and below it.

Upon the two standards B B' there slides a yoke-shaped frame D, which is normally sustained in elevated position by spiral springs E E', wound about said rods. From the middle part of this yoke-shaped frame there hangs upon each side of the center a pendent arm F F', to which are detachably fastened at their lower ends blades *a a'*, one end of which is of semicircular form and the other end straight. The two semicircular portions form when juxtaposed a circular cutter that cuts around the peach-stone, and the straight portions, acting as radially-arranged blades, cut the peach into two halves. The pendent arms F F' are pivoted at their upper ends to the yoke, and are forced together, so as to yield to fit larger or smaller stones, by means of springs *b b*.

Just above the circular cutters is disposed a spiral guide *c* for the peach-stone, and just above this guide the yoke is hollowed out and provided with a lateral trough *d*. This spiral guide and lateral trough give passage to the peach-stone as it is cut from the peach and deliver it off to one side of the machine.

In the main frame A there is a central hole *e*, about which is formed the seat or support for the peach being operated upon. Through this hole there rises from below a punch G, mounted upon the end of a lever H. This lever is fulcrumed under the main frame to the lower end of rod B', and is connected at its outer end to a plunger-bar I, which extends above the main frame and has a bend, offset, or shoulder at *f*, which is struck by the yoke in descending, and the effect of which is to raise the punch G and force the peach-stone up into the cutters.

The operation of my device is as follows: The yoke being held to its highest position by its supporting-springs, the hand-lever is also held aloft. A peach being now placed upon the seat of the frame A, centrally above the hole *e*, the hand-lever is brought down. The effect of this is double. First, the yoke and the cutters pass down to the peach and the cutters descend into the same, and at the same time the yoke, striking the plunger-rod, forces the punch up against the stone from the under side and drives the stone up between the cutters, the stones successively passing up through the spiral guide and through the hollow yoke to the trough, and thence out to one side. The peach, which has been stoned, drops in two sections into the bucket below.

In making use of my invention the knives may be multiplied so as to cut the peach into any number of sections. I may also use the device for coring apples and the like. If desired, a rod and treadle may be attached to the lever, so as to work the device with the foot.

Having thus described my invention, what I claim as new is—

1. The combination of a stationary base-plate A, having a seat for the fruit with a vertical perforation through it, a circular knife arranged to reciprocate above the same and having a throat or passage-way for the upward discharge of the stone, and an upwardly-operating plunger arranged beneath the stationary base-plate and geared with the operating parts to rise through the perforations in the base-plate and drive the stone through the circular knife up into the passage-way or throat, substantially as shown and described.
2. The hollow yoke-shaped frame having a

trough at one side, in combination with vertical guide-rods, spiral springs wound thereon and supporting the frame, pendent yielding arms provided at their lower ends with
5 knives having one end curved and the other straight, and the spiral guide for the stone extending from the cutters to the hollow yoke, substantially as shown and described.

3. The combination of the main frame A,
10 having opening *e* through the same, and uprights B B' upon opposite sides of the opening, the spiral springs surrounding the up-

rights, the yoke-shaped frame sliding on said uprights and carrying the pendent yielding arms with cutters attached, the hand-lever C, 15 the punch G, playing in the hole *e*, the lever H, attached thereto, and the plunger-bar I, arranged to be struck by the descending yoke, substantially as shown and described.

JOHN C. BRYAN.

Witnesses:

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