

(No Model.)

J. A. W. IUSTI.
VEGETABLE CUTTER.

No. 402,740.

Patented May 7, 1889.

Fig. 1.

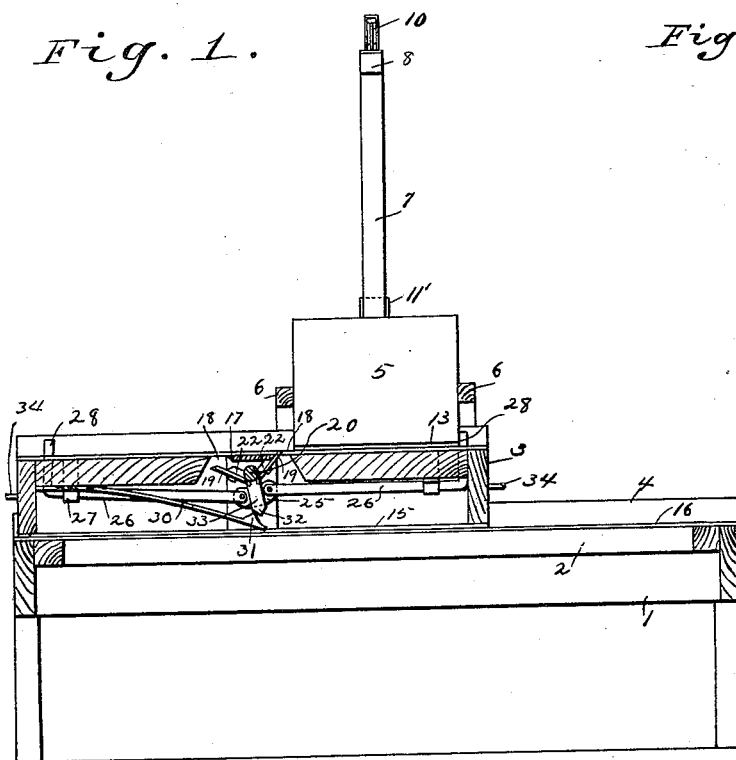


Fig. 2.

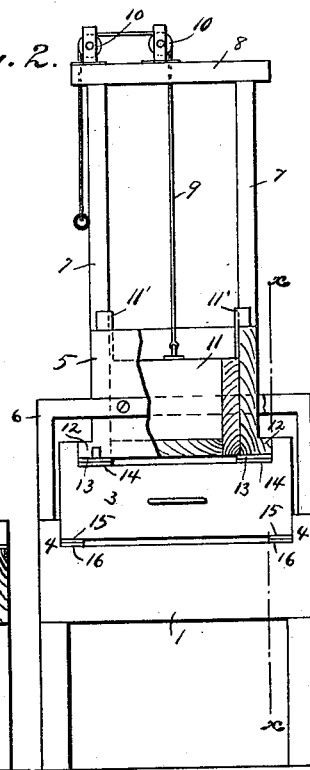
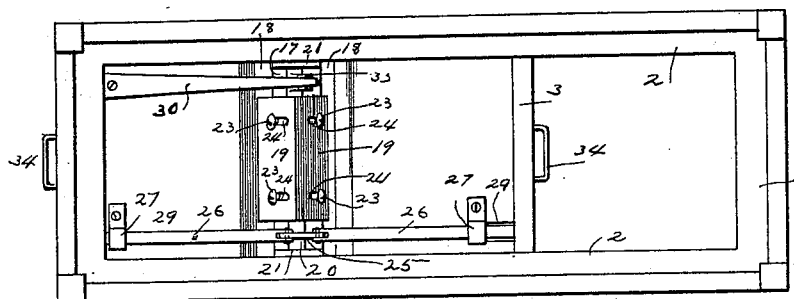


Fig. 3.



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JOHANN A. W. IUSTI, OF CHARLESTON, SOUTH CAROLINA, ASSIGNOR TO
HIMSELF AND CHARLES KERRISON, JR., OF SAME PLACE.

VEGETABLE-CUTTER.

SPECIFICATION forming part of Letters Patent No. 402,740, dated May 7, 1889.

Application filed August 16, 1888. Serial No. 282,880. (No model.)

To all whom it may concern:

Be it known that I, JOHANN A. W. IUSTI, of Charleston, in the county of Charleston and State of South Carolina, have invented a new and Improved Vegetable-Cutter, of which the following is a full, clear, and exact description.

This invention relates to vegetable-cutters, and has for its object to provide a machine for cutting cabbages, which will be effective in operation and will accomplish a greater amount of work in a shorter space of time than has hitherto been done.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a side view of the invention in vertical section on line *xx* of Fig. 2; Fig. 2 is an end view, partly broken away and in section; and Fig. 3 is a bottom view of the machine.

1 indicates a supporting frame-work having rails 2, on which is mounted a reciprocating sliding frame, 3, guided between the side strips, 4, of the frame-work 1, beneath a cabbage-receptacle, 5, secured to the cross-frames 6 on frame 1, and having uprights 7, with a cross-bar, 8. To a cord, 9, passing over pulleys 10 on the cross-bar 8, is secured a weight-box, 11, for pressing the cabbage in receptacle 5 against the cutters, the weight-box 11 sliding between uprights by means of sleeves 11' engaging said uprights.

The bottom of the receptacle 5 is provided with strips 12, having metallic friction-plates 13, against which move friction-plates 14 on the reciprocating sliding frame 3, and the bottom of the frame 3 has metallic friction-plates 15, which move over metallic friction-plates 16 on the rails 2. The frame 3 is provided with a transverse opening, across which extends a plate, 17, secured to plates 14 and forming slots 18, through which alternately project the knives 19, and through which the cabbage passes as it is cut.

Beneath the plate 17 is located a rock-shaft, 20, mounted in plates 21 in the sides of the frame 3 and having plates 22, on which are adjustably mounted the cutters 19, by means

of screws 23 passing through slots 24 in the cutters 19 and engaging the plates 22. By means of this adjustable connection the cutters 19 may be moved to vary their projection through openings 18, and may also be detached for sharpening.

To a double-eared projection, 25, on the shaft 20 are pivoted the ends of reciprocating slide-bars 26, passing through guides 27 in frame 3 and having upturned ends 28 projecting through slots 29 in the ends of frame 3 and plates 14. By means of this construction the upturned ends 28, being alternately forced against the receptacle 5, are forced back in their slots 29 and cause the shaft 20 to rock, thereby moving one of the cutters 19 into position for cutting and the other out of position. The cutters 19 are alternately held in position for cutting by means of a spring, 30, having an angular projection, 31, which slips over and engages the angular end 32 of the arm 33 depending from shaft 20.

The weight-box 11 may be weighted as desired and controlled by cord 9. Cords may be secured to staples 34 on the ends of the reciprocating frame 3 to operate the latter. The frame 3 may be reciprocated by hand or other power. It will be seen that by means of this construction in each direction of movement of frame 3 one of the cutters 19 will project through a slot, 18, and the other will be out of the way, thereby avoiding friction against the edge of the cutter, and at the end of each stroke of the frame 3 the cutters will be moved into opposite positions.

While I have described a specific construction of parts, I do not intend to limit myself thereto, as the parts may be varied in form without departing from the essential features of the invention.

A cutter constructed as herein described is adapted to cut up cabbages and other vegetables in a speedy and effective manner.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. In a vegetable-cutter, the combination, with a supporting-frame and a receptacle carried thereby, of a reciprocating frame below the receptacle, cutters carried by said reciprocating frame, and a rock-shaft pivoted to the supporting-frame, having a double-eared projection, on which are pivoted the ends of reciprocating slide-bars, passing through guides in the supporting-frame and having upturned ends projecting through slots in the ends of the supporting-frame and plates forming the receptacle, by means of which the upturned ends are forced alternately against the receptacle and the cutters are moved into opposite positions for cutting.

cating frame, and bars connected to the cutters and projecting through the reciprocating frame, to be struck by the receptacle as the said frame is reciprocated, substantially as described.

2. In a vegetable-cutter, the combination, with a supporting-frame and a receptacle carried thereby, of an apertured and slotted reciprocating frame, a rock-shaft journaled in the reciprocating frame, cutters carried by the rock-shaft, and bars secured to the rock-shaft and having apertured ends projecting through the slots of the said reciprocating frame and adapted to be struck by the receptacle as the frame is reciprocated to rock the shaft, and thereby move one of the cutters in position and the other out of position, substantially as described.

3. In a vegetable-cutter, the combination, with a supporting-frame and a receptacle carried thereby, of a slotted reciprocating frame below the receptacle, a rock-shaft journaled in the reciprocating frame, cutters adjustably secured to the rock-shaft and adapted to be alternately projected through the slots of the frame, and a spring for engaging the rock-shaft for holding the cutters in the position for cutting, substantially as herein shown and described.

4. The combination, with a vegetable-recep-

tacle, of a reciprocating sliding frame located below the receptacle and having openings for the cutters and the passage of the cut material, a rock-shaft with cutters located beneath said openings, and reciprocating rods pivoted to the rock-shaft and having upturned ends projecting through slots in the ends of the reciprocating frame, substantially as described.

5. The combination, with frame 1, having rails 2 with friction-plates 16, and frames 6, with receptacle 5, having friction-plates 13, and vertically-movable weight-box 11, with operating-cord 9, of the reciprocating sliding frame 3, having friction-plates 15, slots 29 in the ends thereof, openings 18, rock-shaft 20 adjacent thereto, with projection 33, having angular end 32, plates 22, cutters 19, having slots 24 and connected to plates 22 by screws 23, reciprocating rods 26, pivoted to projection 25 and having upturned ends 28 projecting through slots 29, and spring 30, with angular projection 31, bearing against angular end 32 of projection 33, substantially as shown and described.

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Witnesses:

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