

H. EHMANN.
Vegetable-Parer.

No. 213,880.

Patented April 1, 1879.

Fig. 1

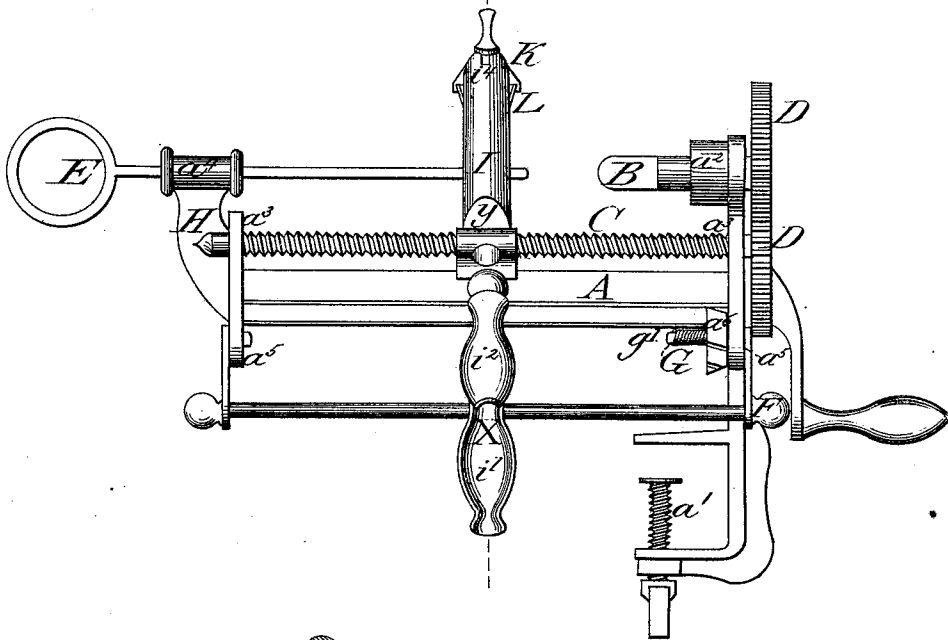
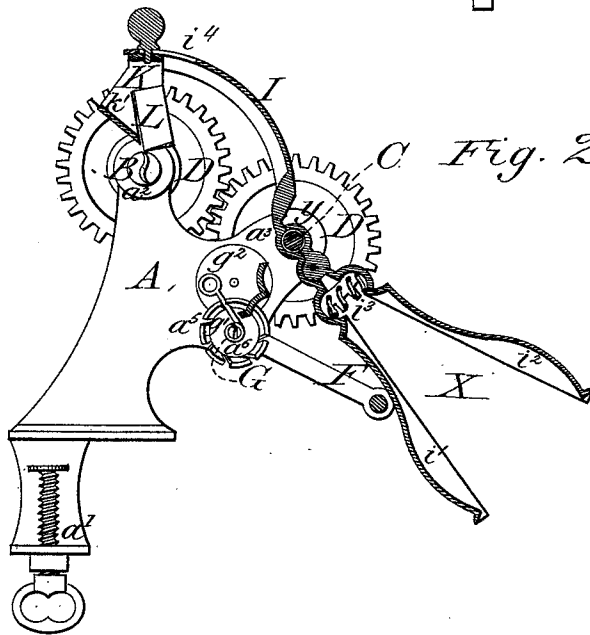


Fig. 2.



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UNITED STATES PATENT OFFICE.

HENRY EHMANN, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN VEGETABLE-PARERS.

Specification forming part of Letters Patent No. **213,880**, dated April 1, 1879; application filed December 26, 1878.

To all whom it may concern:

Be it known that I, HENRY EHMANN, of the city of St. Louis and State of Missouri, have invented certain new and useful Improvements on Vegetable Paring and Cutting Machines, of which the following is a specification:

The nature of my invention consists in, first, the construction of a parer-rest, which can be set by hand on and off a leading-screw, ready to pare or cut the vegetable while the machine is in motion, and which is also automatically pressed against and the pressure regulated toward the center of the receiver of the vegetable, according to the resistance of the latter; second, the simultaneous rotation by a pair of spur-wheels of the vegetable, inserted between a receiver and a tightener, to prevent a side motion of the vegetable, and of a leading-screw carrying the parer-rest, which by its circular construction allows the knife a more or less inclination to the vegetable if pressed toward the center of the latter.

The accompanying drawing shows in Figure I a front view of the machine; Fig. II, a vertical section of the same.

A represents a frame, provided at a^1 with a thumb-screw to adjust the same to any table; at a^2 with a box, in which the vegetable-receiver B revolves; at a^3 with boxes, in which the leading-screw C revolves, both B and C combined by a pair of spur-wheels, D, with a guide, a^4 , containing the adjustable back-center tightener E, and with boxes a^5 , in which the press-frame F swings parallel with the leading-screw C.

Around the axis of F a coiled spring, G, is wound, and fastened with end g^1 to it, the other end, g^2 , resting in a ratchet, a^6 , attached to frame A.

The vegetable-receiver B is an S-shaped knife, the convex sides of its blade pressing against the vegetable, and so preventing the splitting of and the turning in the same.

Back-center tightener E is concentric to the axis of the vegetable-receiver B. H is an S-shaped knife attached to end of leading-screw C, and pointed toward the end of its blade, revolving with the concaved sides of its blade against the vegetable, by means of which it gives a steady center excavation of the eye in the vegetable. I is the parer-rest, constructed of two angular levers, i^1 and i^2 , swinging at

their fulcrum, forming two jaws, x and y . One pair, x , is used as a handle, kept expanded by spring i^3 , while the other pair, y , is shut, and acts as a nut to leading-screw C. The lever i^1 has a prolongation at y eccentric to the axis of the vegetable-receiver B, and having at its end a slit-hole, i^4 , to receive and adjust, by means of a thumb-screw, the knife-shoe K, on which the paring-knife L is attached.

The frame F presses, by means of spring G, against the handle of the lever i^1 , the nut forming at y a fulcrum of the parer-rest I, and by this pressing the knife L against the axis of the vegetable-receiver B.

The paring-knife L is V-shaped, rounded off at the point, to allow the same to cut all irregularities of the vegetable sidewise, as well as with the point.

The guiding part k' of the knife-shoe K acts as a support on the vegetable, to regulate the deepness of the paring by adjusting the knife on a desired degree to the parer-rest I.

By tightening the spring G at g^2 through ratchet a^6 , the pressing power of frame F can be increased, so that the knife acts deeper toward the axis of the vegetable, cutting sidewise and slicing up the same.

To operate this machine, the vegetable is set on the receiver B, the back-center tightener E pushed into the vegetable, the parer-rest nut opened by compressing the two lever-handles together, and moved back to the end of the vegetable. After having set the knife to the desired depths for paring, and regulated the spring G by means of ratchet a^6 , according to hardness and resistance of the vegetable, bring the spur-wheels D in motion, through crank or equivalent, till the paring or cutting is done.

The machine will be made out of iron or any other suitable material.

What I claim as my invention, and desire to be secured by Letters Patent, is—

1. The combination of the rest I, screw C, frame F, spring G, ratchet a^6 , and receiver B, as set forth.

2. The combination of the screw C, knife L, rest I, frame F, tightener E, receiver B, and spur-wheels D, as set forth.

HENRY EHMANN.

Witnesses:

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HENRY G. JANSSEN.