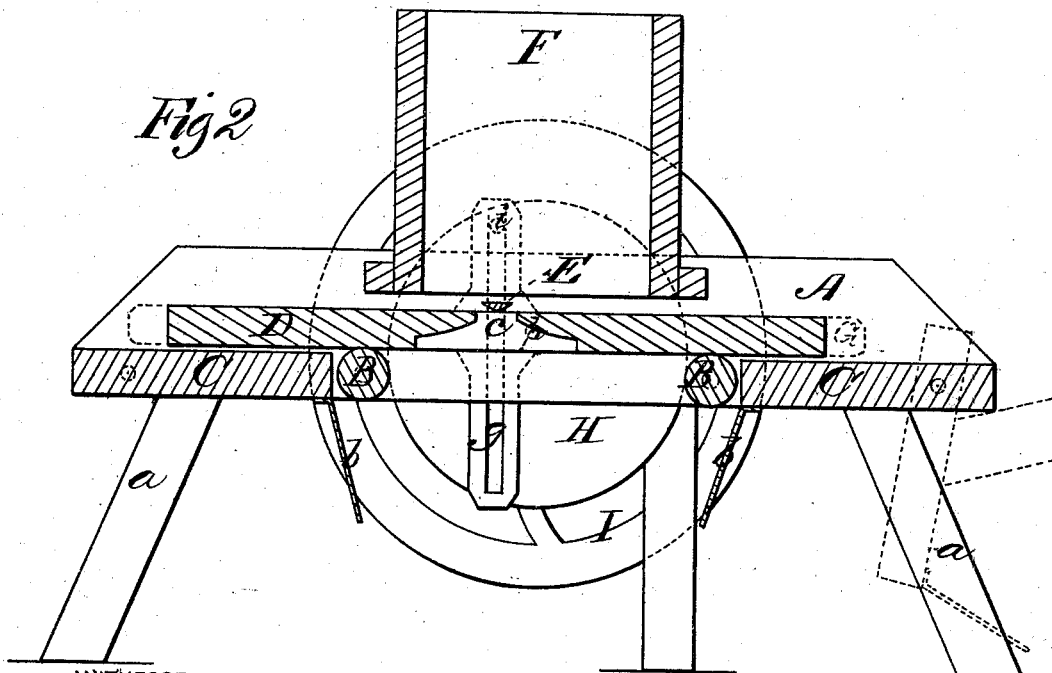
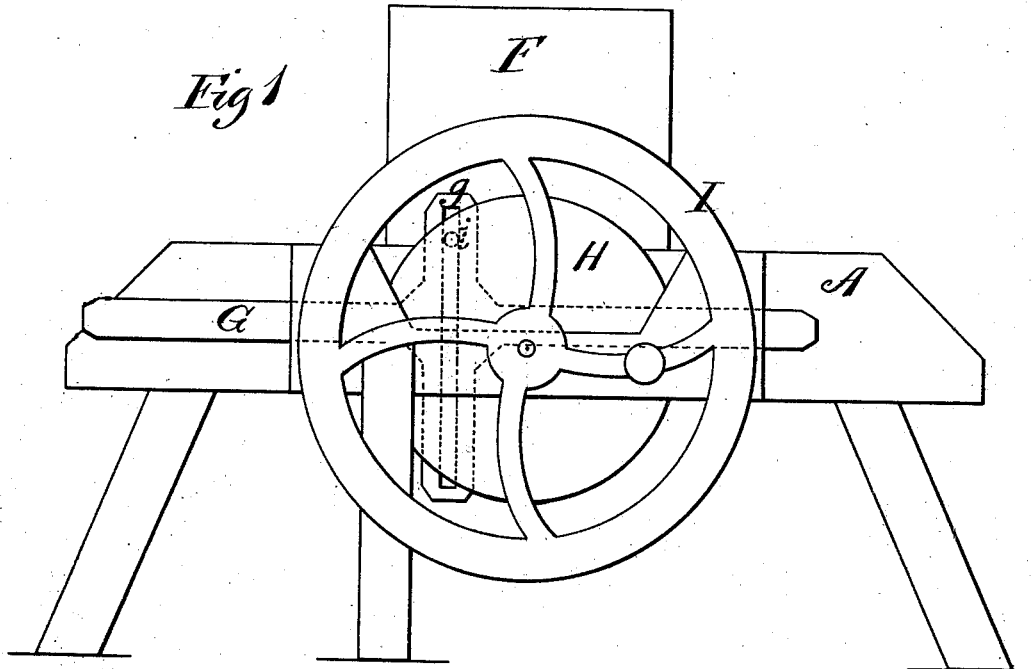


S. HAUCK, Jr.
Vegetable-Cutter.

No. 165,229.

Patented July 6, 1875.



WITNESSES

Mary S. Utley.
George C. McKean.

INVENTOR

Samuel Hauck, Jr.
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ATTORNEYS

UNITED STATES PATENT OFFICE.

SAMUEL HAUCK, JR., OF LEBANON, PENNSYLVANIA, ASSIGNOR OF TWO-THIRDS HIS RIGHT TO ALFRED B. HAUCK AND CHARLES B. ANDREWS, OF SAME PLACE.

IMPROVEMENT IN VEGETABLE-CUTTERS.

Specification forming part of Letters Patent No. 165,229, dated July 6, 1875; application filed May 15, 1875.

To all whom it may concern:

Be it known that I, SAMUEL HAUCK, JR., of Lebanon, in the county of Lebanon and State of Pennsylvania, have invented a new and valuable Improvement in Vegetable-Cutters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my vegetable-cutter, and Fig. 2 is a longitudinal vertical sectional view of the same.

This invention has relation to improvements in devices for cutting vegetables into slices, wherein the cutter-platform is caused to reciprocate horizontally through a box or hopper containing the vegetables to be cut up; and the nature of the invention consists in combining with such a reciprocating platform one or more rollers arranged under the same, whereby the former is allowed to have free endwise movement, and the labor of actuating the machine greatly decreased, as will be fully understood from the following description:

In the annexed drawings, A designates the side rails of the frame of my improved vegetable-cutter, in which, and at a suitable distance apart, are mounted two rollers, B, the functions of which will hereinafter appear. This frame is supported upon legs *a*, which are rigidly secured to vertically-vibrating end boards C, which latter are arranged between side-boards A and extend inward to rollers B, constituting a portion of the bottom of the frame. These boards are each provided with chutes *b*, which incline inward toward each other. D represents a cutter-blade table or platform, through which is cut a slot, *c*, in a position vertical to its length, over and in the length of which is arranged a double-edged slicer, E. This blade or slicer

is secured in position by means of preferably cylindrical bolts at each of its ends, which are passed into corresponding perforations at each end of slot *c*, and it is vertically adjustable for the purpose of increasing or diminishing the thickness of the slices cut, as the necessities of the case may render expedient. F represents a box or hopper, arranged over table D in a position intermediate to rollers B. Table D has free endwise movement under this hopper, so that when the latter is filled with vegetables, and a horizontally-reciprocating movement is imparted to the cutter-bearing board, a slice will be cut off the lower part of the contents of the hopper at each of the reciprocations of the cutter.

Where vegetables are of flaky, loosely-packed nature, I propose to use a board, which may be weighted, fitting snugly into the hopper, and pressing the vegetables down into contact with the cutter-blade.

Motion is imparted to platform D in the following manner, to wit: A pin, *p*, rigidly secured to its lateral edge, is passed into a suitable perforation in an endwise-movable rod, G, arranged in bearings at the side of the frame, and provided with a slotted yoke or cross-head, *g*, within which is passed a wrist-pin, *i*, on a disk, H, rotating in suitable bearings at the side of the cutter-frame. Disk H is operated through the medium of a suitable balance-wheel, I, which is of the nature of a crank-arm and fly-wheel combined; and when it is caused to rotate by a suitable motor it will impart a regular and forcible horizontally-reciprocating movement to the cutter-blade. In this way an oscillating connecting-rod or pitman is dispensed with. Boards C, being pivotally attached to the cutter-frame, may be vibrated downward into the position shown in dotted lines, thus allowing ready access to be had to the rollers B, for the purpose of allowing them to be readily cleansed, or for clearing them when they become clogged. These rollers allow the cutter-blade table to reciprocate

with but little friction, thus greatly lessening the labor and cost of operating the device.

What I claim as new, and desire to secure by Letters Patent, is—

In a vegetable-cutting machine, the combination, with the hopper F, of the horizontally-reciprocating platform D, provided with an adjustable cutter, E, and rollers B, mounted

upon an extensible frame, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

SAMUEL HAUCK, JR.

Witnesses:

ANTHONY S. ELY,
B. BOYER.