

Lauer & Reichard,

Vegetable Cutter.

No. 102,837.

Patented May 10, 1870.

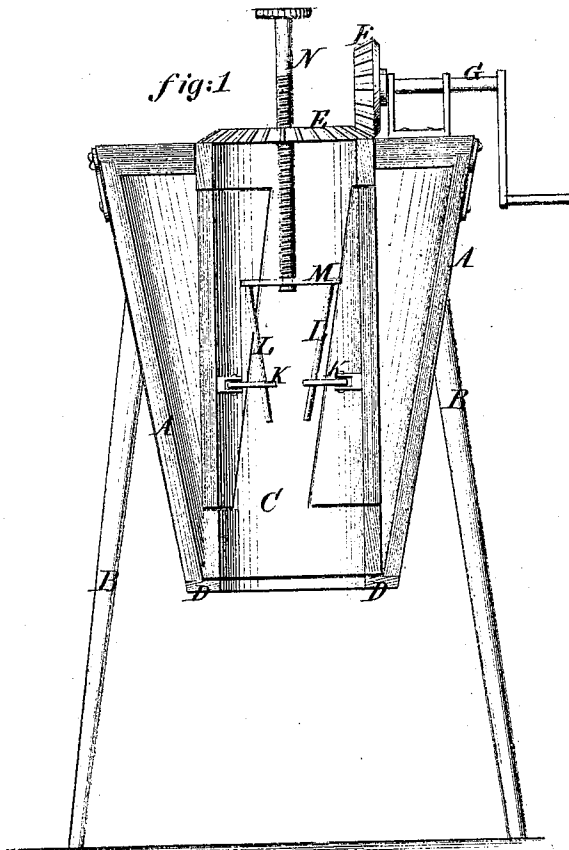
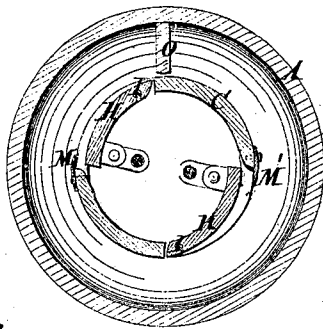


fig:2.



Witnesses:

M. Yorlander
L. S. Mabeis

Inventor:

H. P. Lauer
W. L. Reichard
PER. *M. M. M.*
Attorneys.

United States Patent Office.

HENRY P. LAUER AND HENRY C. REICHARD, OF POTTSVILLE, PENNSYLVANIA.

Letters Patent No. 102,837, dated May 10, 1870.

IMPROVEMENT IN VEGETABLE-CUTTER.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that we, HENRY P. LAUER and HENRY C. REICHARD, of Pottsville, in the county of Schuylkill and State of Pennsylvania, have invented a new and improved Vegetable-Cutter; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to improvements in vegetable-cutters; and consists in an arrangement in a case resembling in form an inverted truncated hollow cone, of a vertical hollow cylindrical cutter-carrier as large as the interior of the shell at the bottom, and having two or more wide vertical slots, in which are hinged vertical gauges to regulate the thickness of the slices to be cut, by cutters attached to the walls of the slots opposite where the gauges are hinged.

The top of this cylinder is geared with a hand-crank for revolving it, and the vegetables are placed in the space between the shell and the cylinder; the cut pieces are forced to the interior of the cylinder and drop out below.

The hinged gauges are provided with adjusting apparatus for varying the openings, for cutting thicker or thinner slices. The said apparatus is manipulated by a thumb-screw at the top of the cylinders.

Figure 1 is a sectional elevation of our improved vegetable-cutter; and

Figure 2 is a horizontal section of the same.

Similar letters of reference indicate corresponding parts.

A is the hollow inverted truncated shell or hopper, mounted on suitable legs, B.

C is the hollow cylindrical cutter and gauge-carrier.

It is mounted vertically at the axis of the case, and rests, at the bottom, on a flange, D, of the shell.

The upper end is supported in bearings formed by

the top of the case, and has a bevel-wheel, E, which gears with a driving-wheel, F, on the horizontal hand-crank G.

This cylinder has broad and long vertical slots in the sides, in which are hung the curved gauges H, on the pivots I, so as to swing out of or into the slots to open passages from the exterior of the cylinder to the interior, of greater or less width.

For operating these guides, they are connected by jointed links, K, to the oblique rods L, suspended from a cross-head, M, swiveled to the screw-rod N, working up and down through the head of the cylinder C, and swinging the said guides back and forth as it is raised or lowered.

The cutters M' are attached to the walls of the slots through the cylinder, opposite where the gauges are hinged, and, being turned against the vegetables placed in the shell A, around the cylinder C, cut them in slices and force the slices through the passages.

O is a stop, to prevent the vegetables being forced around with the cylinder.

The slices cut off are forced through the openings between the edges of the gauges and the walls of the slots, into the space within the cylinder, from which they drop down below, into any suitable receptacle.

Having thus described our invention,

We claim as new and desire to secure by Letters Patent—

1. The combination of the shell A, slotted cylinder C, gauges H, and cutters M, constructed and arranged substantially as specified.

2. The combination, with the gauges H and links K, of the oblique arms L, cross-head M, and screw N, all arranged substantially as specified.

H. P. LAUER.
H. C. REICHARD.

Witnesses:

F. W. CONRAD,
J. W. CONRAD.