

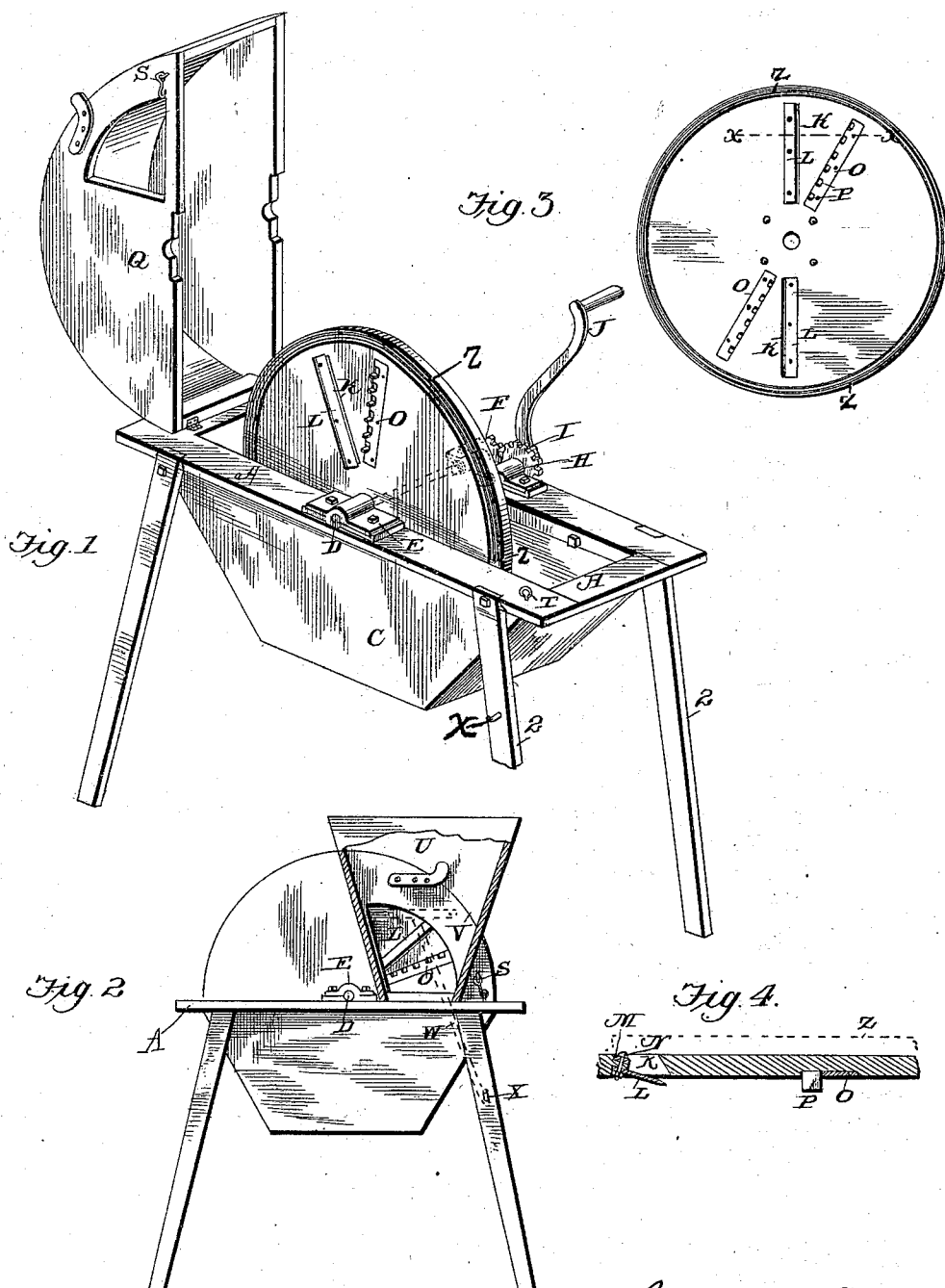
(No Model.)

2 Sheets—Sheet 1.

J. F. HEINLEIN.
VEGETABLE CUTTER.

No. 503,599.

Patented Aug. 22, 1893.



Witnesses

Thos. J. Root, Jr.
Jas. T. O'Neale.

Inventor
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Attorneys

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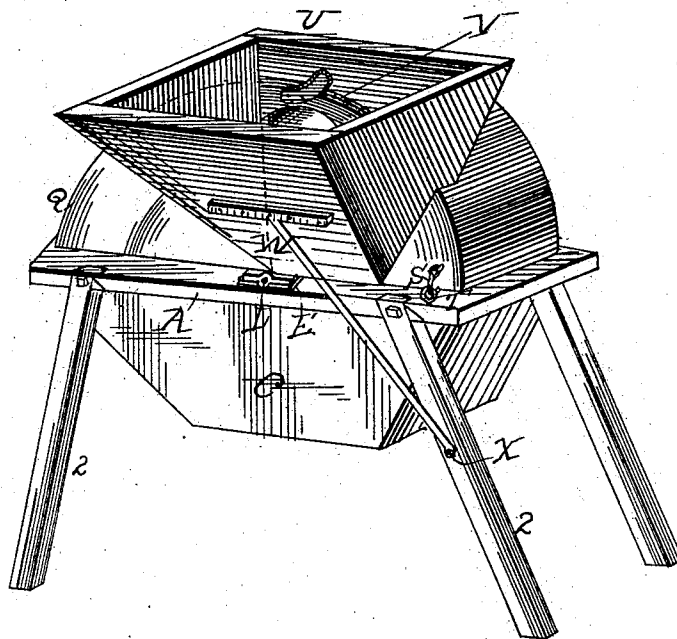
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Fig. 5.



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UNITED STATES PATENT OFFICE.

JOHN F. HEINLEIN, OF RICHVILLE, MICHIGAN, ASSIGNOR OF THREE-FOURTHS
TO HENRY LUEBKERT, MICHAEL NICODEMUS, AND JOHN G. TRUMP, OF
SAME PLACE.

VEGETABLE-CUTTER.

SPECIFICATION forming part of Letters Patent No. 503,599, dated August 22, 1893.

Application filed April 8, 1893. Serial No. 469,502. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. HEINLEIN, a citizen of the United States, residing at Richville, county of Tuscola, and State of Michigan, have invented certain new and useful Improvements in Vegetable-Cutters; and I do hereby declare that the following is a full, clear, and exact description, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to vegetable cutters. It has for its object to provide a cutter which shall be simple in construction, durable in use and comparatively inexpensive of production.

With these objects in view the invention consists in certain features of construction, and combination of parts of the same, which will be hereinafter fully described and claimed.

In the accompanying drawings—Figure 1 is a perspective view of my improved vegetable cutter, with top folded back and the feed hopper removed. Fig. 2 is a side view of the same, showing the top closed and feed hopper in position, with a portion of the feed hopper broken away to illustrate details hereinafter described. Fig. 3 is a detailed view of the cutter wheel, and Fig. 4 is a transverse sectional view on lines $x-x$, Fig. 3. Fig. 5 is an enlarged view of the machine with the hopper in position.

In the drawings A, denotes the frame of the machine supported by legs 2.

C, denotes the wheel casing, having its ends inclined and provided with an open bottom.

D, denotes a rotary shaft mounted in boxes E, secured to the sides of the frame and provided at one end with a pinion F.

G, denotes a stub shaft mounted in a box H, and provided with a gear wheel I, meshing with the pinion. J denotes a crank for rotating said stub shaft.

Mounted upon the rotary shaft is my improved cutter wheel, having radial longitudinal openings K, to the edges of which are secured the knives L, the cutting edges of which stand slightly outward. On the opposite face of this wheel and directly back of

the knives is a metallic strip M. Bolts N are inserted through the rear edges of these knives and through the wood or metal and are upset or screwed in the metallic strip and thus securely fasten the knives in position. The metallic strips at the same time serve to protect the longitudinal radial openings in the wheel from wear, as my improved cutter wheel is made of wood or cast iron or a part of cast iron and sheet steel.

In advance of each knife I form in the face of the wheel a radial recess into which I secure by means of screws, so as to be flush with the face of the wheel, a plate O, having cut therefrom knives P, which for convenience I will term a splitter, it being the action of said knives upon the material to be cut, and in the metal wheel, holes are made through the wheel in which the splitter knives are secured.

Q, denotes a hinged top. Said top is formed with a feed opening in its side and is provided at its upper end with a lug and at its lower forward end with a hook S, to engage an eye T, to hold the cover in close position.

U, denotes a feed hopper, having an inclined front and straight rear side, which is provided with a large opening V, the upper wall of which encircles and rests upon the top of the cover, while the lower end of the front rests upon the main frame. In this position it will be noticed that the lug engages the rear side of the hopper and holds it against displacement. To insure, however, a more positive connection with the hopper of the machine, I provide a T-rod W, the upper end of which is screwed to the front side of the hopper, while the opposite end is formed with an opening to the pin X, in the leg of the frame.

Z, denotes the fly wheel secured to the periphery of the cutter wheel.

In the foregoing description it will be seen that the machine is simple and strong in construction, that it is easily operated and that it cuts the vegetables or material fed to it, in two ways, namely: The slicing cut made by the longitudinal cutter and the splitting cut made by the splitter.

I would have it understood that I reserve for myself the right to rotate the cutter by

any suitable or preferred mechanism, the gearing herein shown and described however, being the preferred form of mechanism.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a vegetable cutter the combination with the main frame provided with a rotary cutter, of a top hinged thereto and provided with a feed opening and an upwardly extending ear, a hopper having an opening in its side communicating with the feed opening the upper edge of said opening embracing the upper surface of the cover, and a brace

rod secured to said hopper and supported from the main frame, substantially as herein described. 15

2. In a vegetable cutter, a cutter wheel having a series of radial openings, plates secured to the recessed walls of said openings, knives secured to the opposite walls and bolts inserted through said knives, walls and plates, substantially as described. 20

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