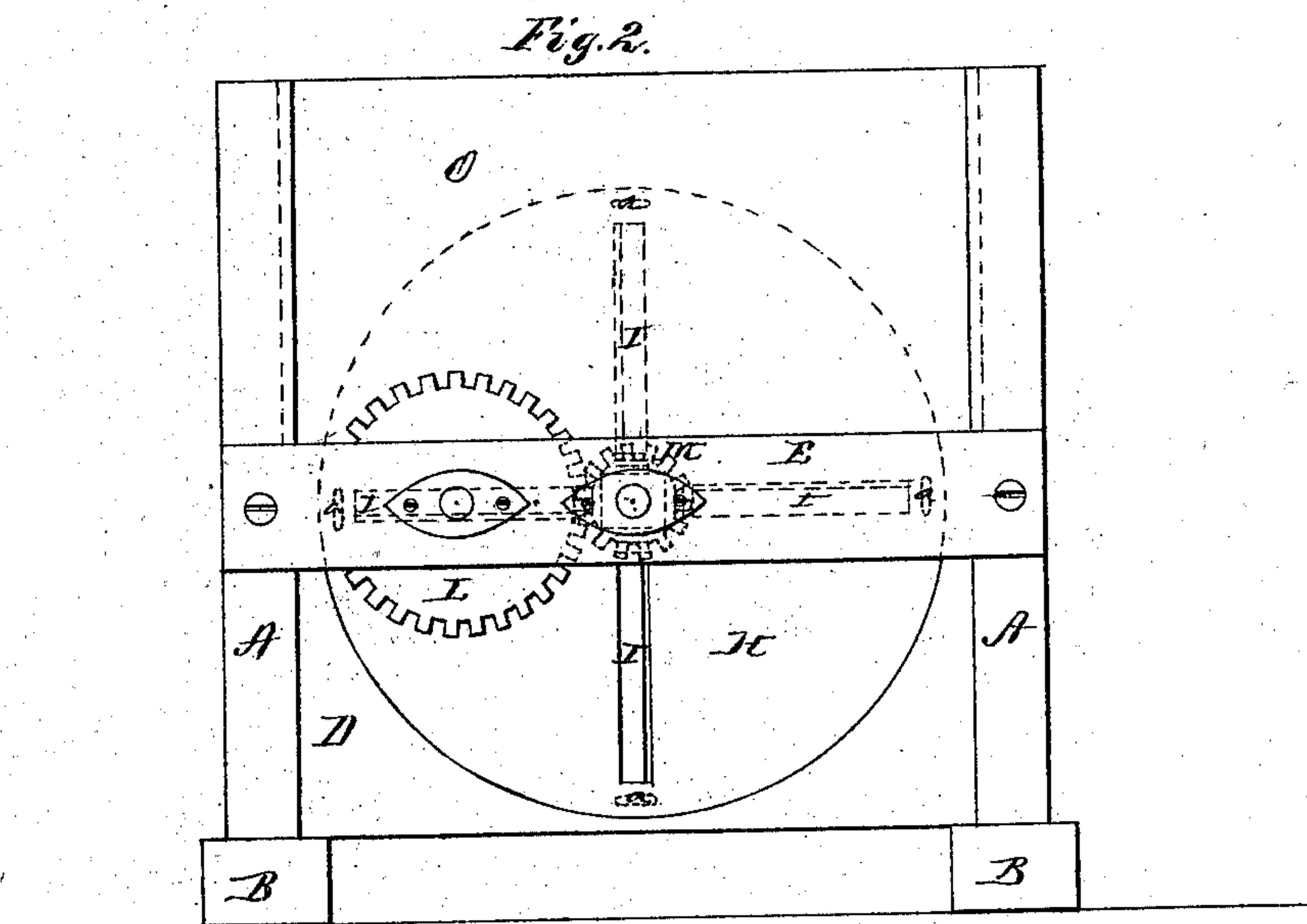
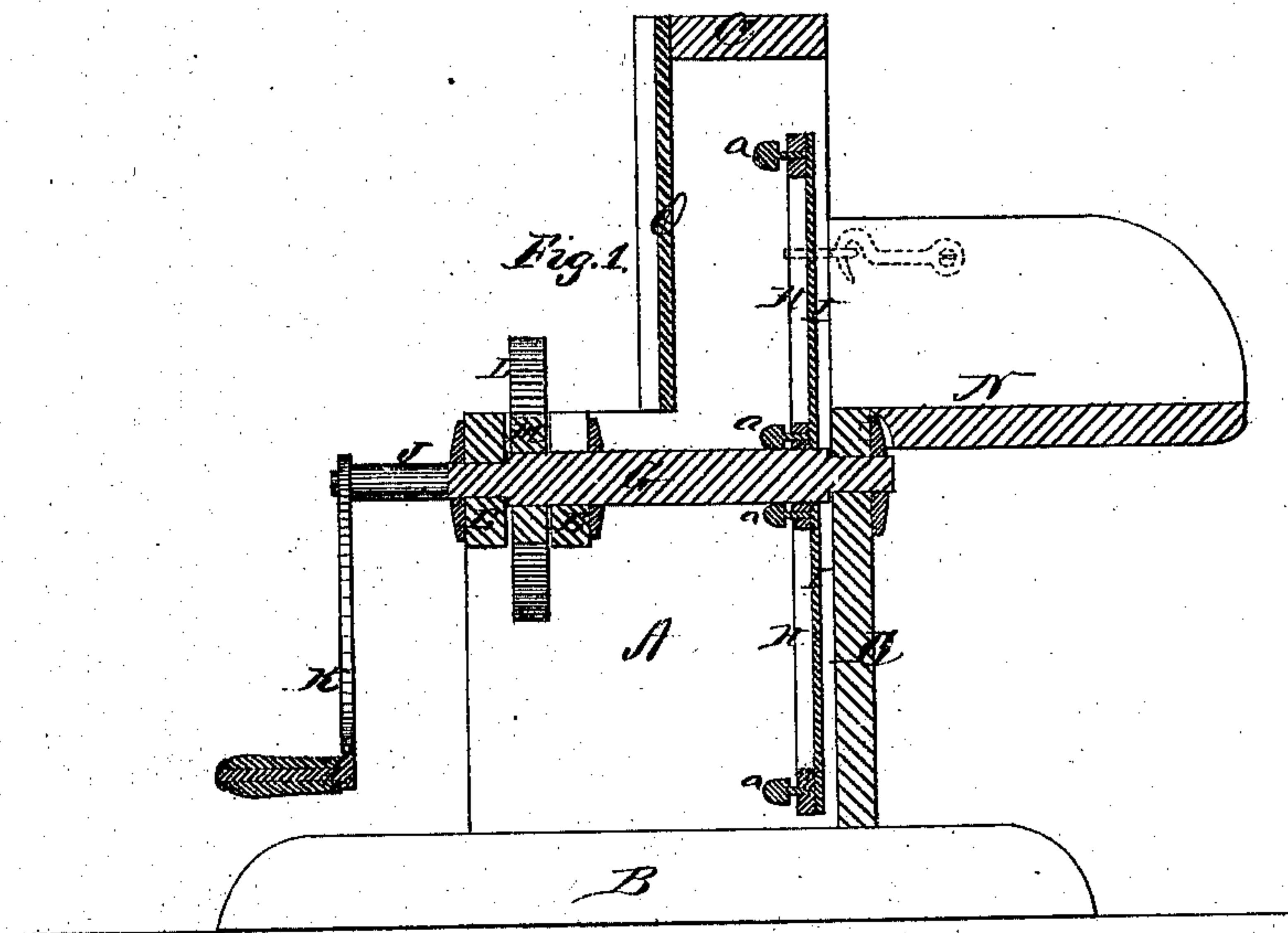


*N. Kipper,*

*Vegetable Cutter.*

*No. 103,057.*

*Patented May 17, 1870.*



*Witnesses*  
*Jno. A. Ellis.*

*Inventor*  
*Nicolas Kipper*  
*Per*  
*J. H. Alexander*  
*Atty.*



# United States Patent Office.

NICHOLAS KIPPER, OF SEYMOUR, INDIANA.

Letters Patent No. 103,057, dated May 17, 1870.

## IMPROVEMENT IN VEGETABLE-CUTTERS.

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

*To all whom it may concern :*

Be it known that I, NICHOLAS KIPPER, of Seymour, in the county of Jackson and State of Indiana, 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 thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and general arrangement of a vegetable-cutter, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, in which—

Figure 1 is a vertical cross-section, and

Figure 2, a rear elevation of my machine.

A A represent two standards, resting upon feet B B, said standards forming the sides, or rather the ends, of the frame.

At their upper ends the standards are connected by a cross-bar, C, and on their front is a board, D, covering about the lower half.

In the rear portion of the standards B B are two bars, E E, running parallel with the front D, and their upper edges at the same height as said front.

In suitable journal-boxes, in the center of the rear or outer bar E and in the front D, is placed a shaft, G, the inner one of the bars E being cut out or notched for the shaft to pass through.

On the shaft G, a suitable distance in rear of the front D, is mounted a disk or wheel, H, provided on its front face with a series of beveled recesses, radiating from the center at equal distances apart.

In these recesses are slots or openings, running from near the center to near the periphery of the wheel, and in said recesses are secured knives or cutters I I, the sharp edges of which are directly over the slots or openings.

Through the portions left of the disk or wheel, near the center and near the periphery, at the ends of the slots mentioned, are, from the rear, passed set-screws *a a*, which bear against the under sides of the knives I I, near their sharp edges.

By means of these set-screws the knives can be set so that their sharp edges will project more or less beyond the face of the wheel, and consequently cut the cabbage (or other vegetables) either coarse or fine, as may be desired.

The shaft G, with the wheel H, obtains its necessary rotary motion through a shaft, J, placed in suitable journal-boxes in the bars E E, and turned by a crank, K.

On this shaft, between the bars E E, is mounted a cog-wheel, L, which gears with a pinion, M, on the shaft G.

On the front side, at the upper edge of the board D, is secured a feed-table or apron, N, which can readily be put on and taken off by the means shown in fig. 1.

The rear side above the upper edge of the front D is closed by means of a board, O, which moves in grooves in the end pieces or standards A A.

Having thus fully described my invention,

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

The combination and arrangement of the frame A B C D, bars E E, shaft G, wheel H with knives I I, pinion M, cog-wheel L, shaft J, apron N, and board O, all constructed as described, and operating substantially in the manner and for the purposes herein set forth.

I testify that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

NICHOLAS KIPPER.

Witnesses:

ISAAC KLING,  
ADOLPH W. HILPP.