

J. R. WEED & A. F. DU FAUR.
Improvement in Vegetable-Cutters.

No. 126,116.

Patented April 23, 1872.

Fig. 1.

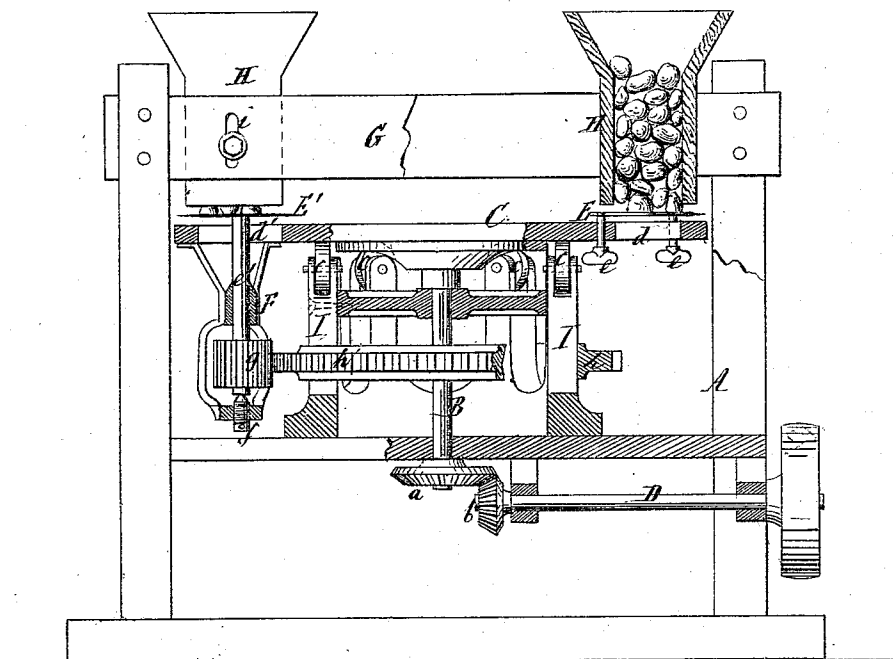
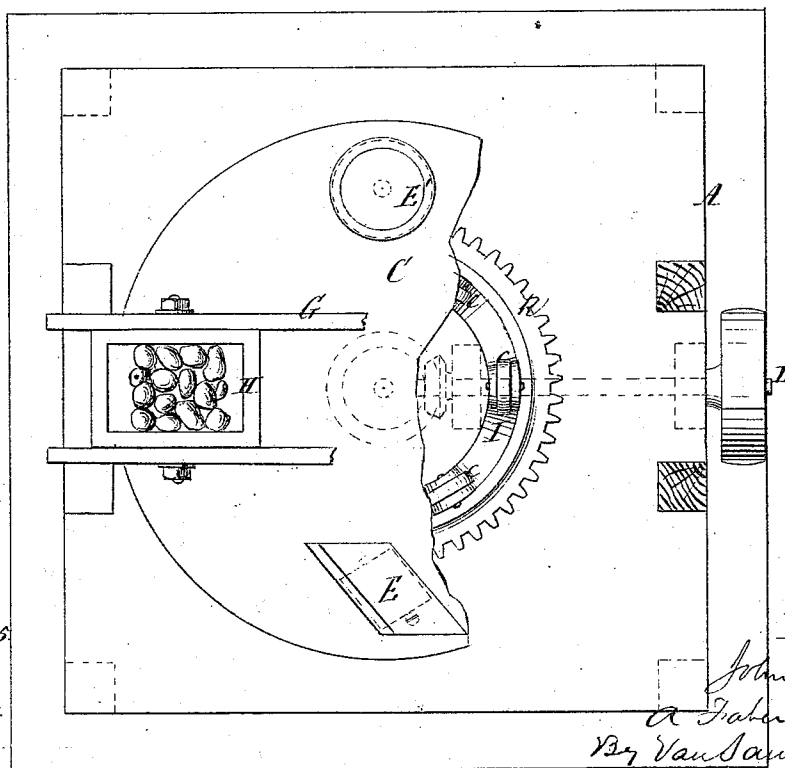


Fig. 2.



Witnesses
C. Wahlers.
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UNITED STATES PATENT OFFICE.

JOHN R. WEED AND ADOLPH FABER DU FAUR, OF NEW YORK, N. Y.

IMPROVEMENT IN VEGETABLE-CUTTERS.

Specification forming part of Letters Patent No. 126,116, dated April 23, 1872.

To all whom it may concern:

Be it known that we, JOHN R. WEED and ADOLPH FABER DU FAUR, of New York, in the county and State of New York, have invented a new and Improved Vegetable Cutter; and we do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a vertical central section of our invention. Fig. 2 is a sectional plan or top view of the same.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of a rotary platform carrying one or more knives which are adjustable parallel to said platform, in combination with one or more hoppers suspended above the rotary platform and adjustable toward and from said platform in such a manner that the materials to be cut feed themselves down toward the platform, and that the knife or knives, on sweeping past the hopper or hoppers, cut off slices corresponding in their thickness to the elevation of the knife or knives above the platform, and that, on account of the position of the knife or knives parallel to the platform, the slices are prevented from choking the machine. The knife may either be stationary or revolving.

In the drawing, the letter A designates a frame, which is made of wood or any other suitable material, and which forms the bearings for a vertical shaft, B, on the upper end of which is mounted a platform, C, while its lower end carries a bevel-wheel, *a*, which gears in a corresponding bevel-wheel, *b*, mounted on the driving-shaft D, so that, by imparting motion to said driving-shaft the platform C is caused to revolve. Under this platform are placed a series of rollers, *c*, which are mounted in standards I rising from the lower part of the frame A, so that said platform is steadied in its motion. The platform is perforated with apertures *d d'*, and over these apertures are placed the knives E E'. These knives are parallel to the surface of the platform and they are made either stationary or revolving. The stationary knife E is supported by screws *e*, which serve to adjust the same up or down parallel with the surface of the platform, while the revolving knife E' is mount-

ed on a vertical spindle, *e'*, which has its bearing in a hanger, F, secured to the under surface of the platform C, and which can be adjusted up or down by means of a set-screw, *f*, bearing on the end of the spindle *e'*. On this spindle is mounted a pinion, *g*, which gears in a stationary toothed rim, *h*, secured to the standard I so that a sun-and-planet motion is produced, causing the knife E' to revolve round its own axis and also round the central axis of the platform C.

The material to be cut is fed to the knives through hoppers H which are secured to the top cross-bar G of the frame A, and which are provided with slots *i*, (see Fig. 1,) so that they can be adjusted closer to or further from the platform C. The articles placed into the hoppers sink down upon the platform by their inherent gravity, and by the action of the knives slices are cut off corresponding in thickness to the elevation of the knives above the platform. The slices thus cut off pass through the apertures *d d'* beneath the knives, and are received in a suitable vessel provided for this purpose, but not shown in the drawing.

The knives, being placed parallel to the platform, allow the slices to pass freely down through the apertures *d d'*, and they also pass through the articles to be cut without danger of binding.

It is obvious that the number of knives attached to the platform C can be increased; or, if desired, more than two hoppers may be used with one or more knives.

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

1. The combination, with a rotary platform, C, and one or more hoppers, H, of one or more knives placed parallel to the surface and to the plane of motion of said platform, and made adjustable toward and from said platform, substantially in the manner shown and described.

2. The standards I, carrying friction-rollers *c* and a toothed rim, *h*, in combination with the platform C, knife E', spindle *e'*, and pinion *g*, substantially as set forth.

This specification signed by us this 2d day of January, 1872.

JOHN R. WEED.
A. FABER DU FAUR.

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.