W. WEAVER.

Vegetable Cutter.

No. 61,290. Patented Jan. 15, 1867.

Fig. 1.

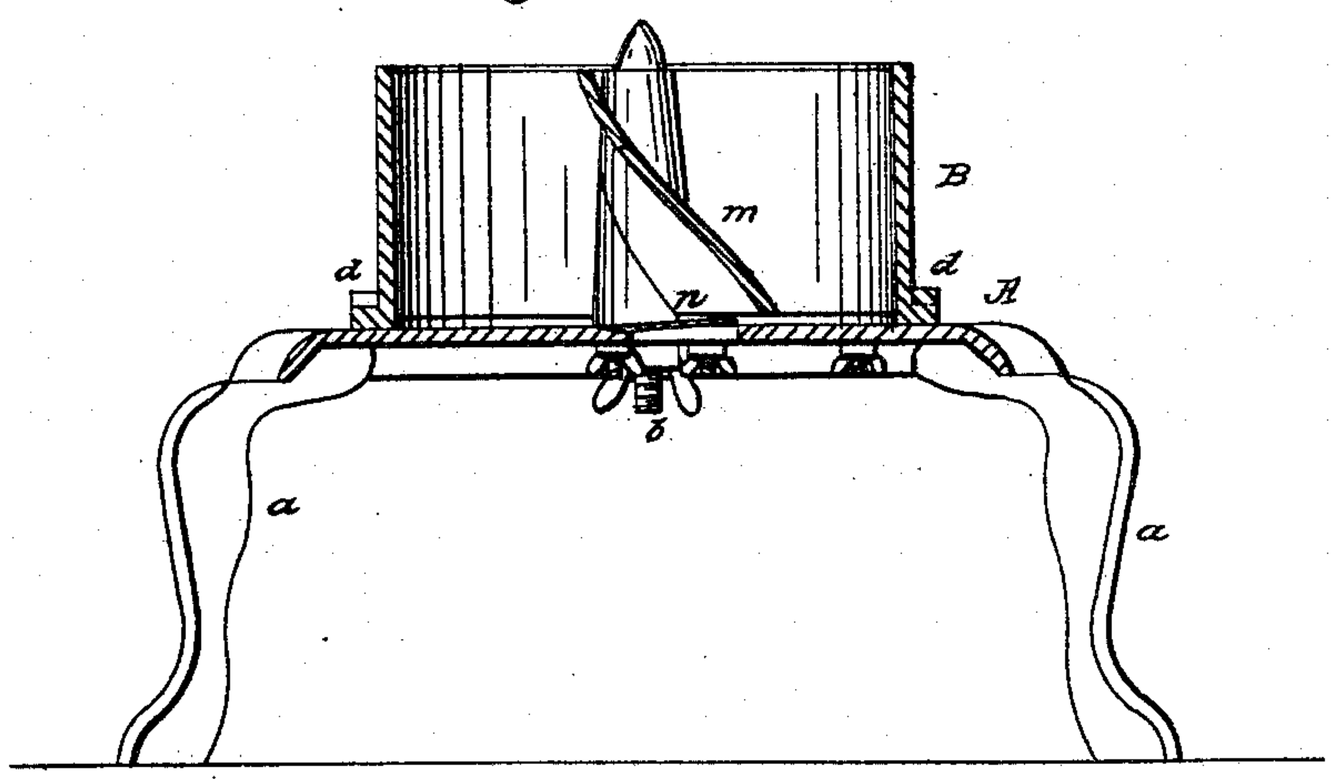


Fig. 2

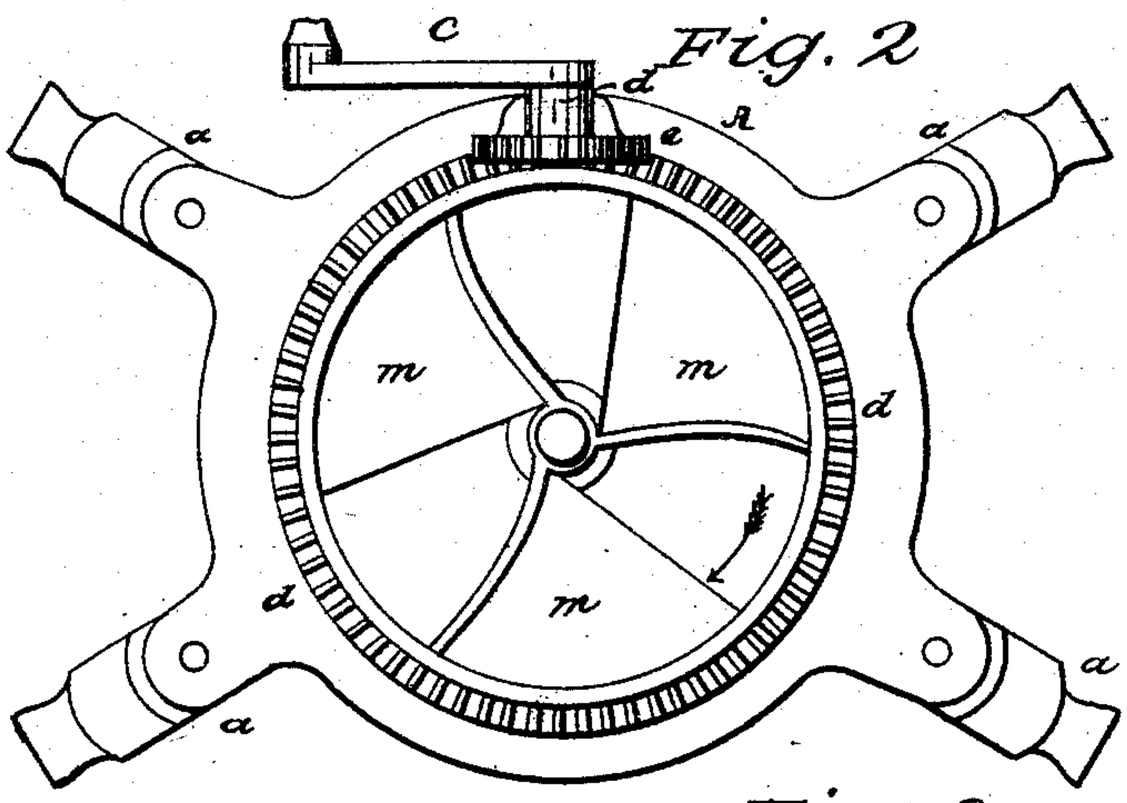
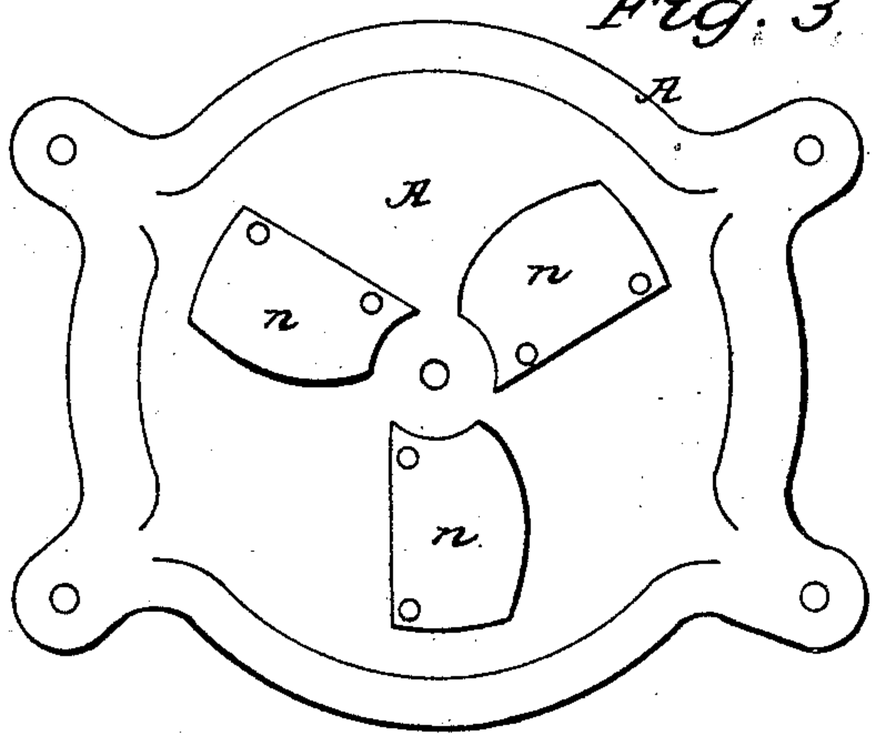


Fig. 3.



Witnesses:
Wm. Albert Deane
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United States Patent Office.

WILLIAM WEAVER, OF PHŒNIXVILLE, PENNSYLVANIA.

Letters Patent No. 61,290, *dated January* 15, 1867.

IMPROVED 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 I, WILLIAM WEAVER, of Phœnixville, Chester county, Pennsylvania, have invented an Improvement in Vegetable Cutters; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention consists of a plate, to which are secured a number of knives, in combination with a revolving hopper, in which are a number of inclined or spiral blades, the whole being constructed and operating substantially as described hereafter, so that as the hopper revolves the vegetables in the same will be pressed by the vanes against the plate, and will be carried against and sliced by the knives.

In order to enable others to make and use my invention, I will now proceed to describe its construction and operation, reference being had to the accompanying drawing, in which—

Figure 1 is a sectional elevation of my improved vegetable cutter.

Figure 2, a plan view; and

Figure 3, a plan view, with the upper portion of the machine removed.

A is a circular plate, supported by legs *a a*, and in the centre of the plate is a cylindrical hopper, B, which can turn freely on a pin, *b*. In a suitable bearing, *d*, secured to the plate A, at one side of the hopper, turns a shaft, to the outer end of which is secured a crank handle, C, and to the inner end of the shaft is secured a pinion, *e*, the teeth of which are adapted to those of an annular rack, *d*, on the outside of the hopper B near the lower edge of the same. From the centre to the inner side of the hopper B extend three inclined plates or vanes, *m*, and in openings in the plate A are secured three detachable knives or plates, *n*, the sharpened edges of which project a short distance above the surface of the plate, as shown in figs. 1 and 3. The vegetables to be cut are placed in the hopper, and a rotary motion in the direction of the arrow is imparted to the latter by turning the handle C. As the hopper revolves, the inclined vanes *m* will catch the vegetables and press them downwards on to the plate A, at the same time carrying them round over the surface of the latter and against the projecting edges of the knives *n*, by which the vegetables are sliced, the slices falling into any suitable receptacle placed beneath the plate A. The capacity of the machine may be increased by increasing the number of knives, *n*. The knives may be adjusted so that their edges may be caused to project a greater or less distance above the plate, in order that the slices may be made of any desired thickness.

I claim as my invention, and desire to secure by Letters Patent—

The cylindrical revolving hopper B, its spiral vanes *m*, the plate A, and rounded knives *n n* in combination with the annular rack *d*, and pinion *e*, the whole being arranged and operating as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM WEAVER.

Witnesses:

CHARLES E. FOSTER,
CHARLES HOWSON.