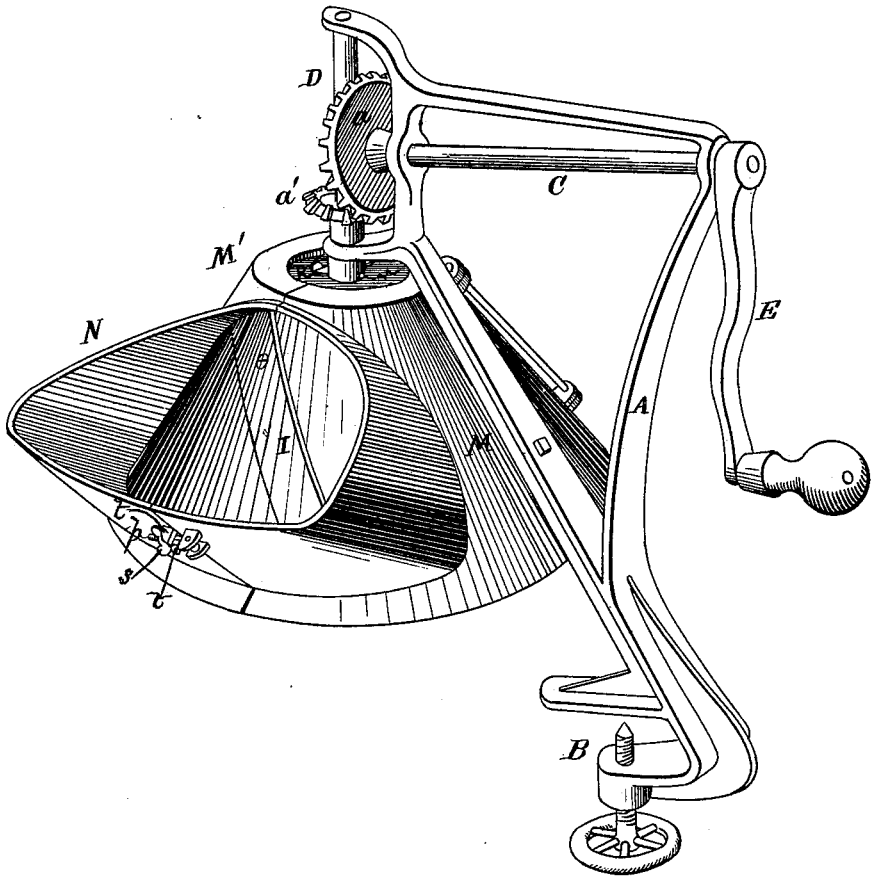
2 Sheets—Sheet 1.

J. F. ROTE.

Vegetable Cutters.

No. 200,668. **Patented Feb. 26, 1878.**

Fig. 1.



WITNESSES

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2 Sheets—Sheet 2.

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Vegetable Cutters.

No. 200,668. Patented Feb. 26, 1878.

Fig. 2.

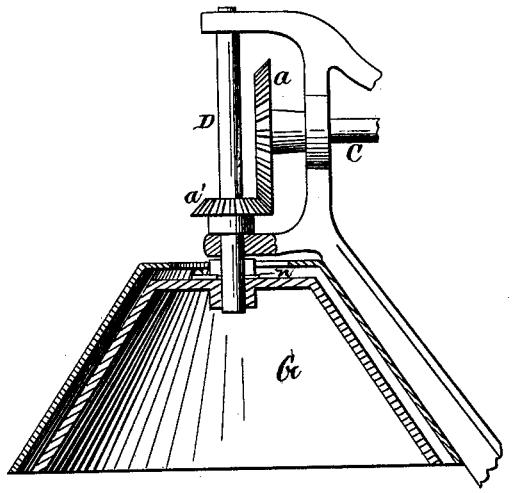


Fig. 3.

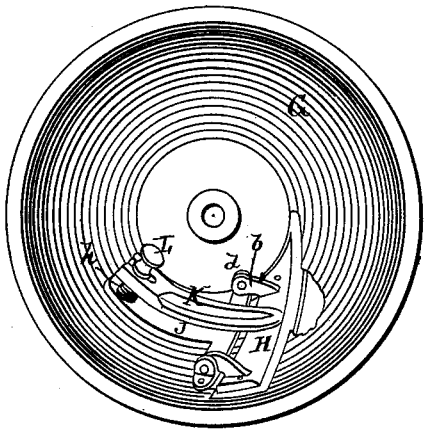
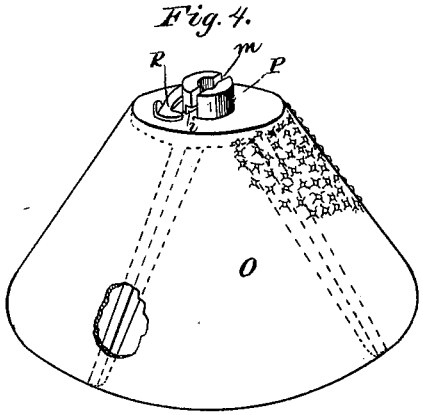


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN F. ROTE, OF READING, PENNSYLVANIA.

IMPROVEMENT IN VEGETABLE-CUTTERS.

Specification forming part of Letters Patent No. **200,668**, dated February 26, 1878; application filed July 19, 1877.

To all whom it may concern:

Be it known that I, JOHN F. ROTE, of Reading, in the county of Berks, and in the State of Pennsylvania, have invented certain new and useful Improvements in Slaw-Cutter and Grater Combined; and 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, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a combined slaw-cutter and grater, as will be hereinafter more 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 perspective view of my invention. Fig. 2 is a vertical section of a part thereof. Fig. 3 is a bottom view of the cutting-cone, and Fig. 4 is a perspective view of the grating-cone.

A represents a suitable frame, provided at its lower end with a clamp and set-screw, B, for fastening to the edge of a table. In the upper part of the frame A is a horizontal shaft, C, provided at its outer end with a crank, E, for rotating the same. At the inner end of the shaft C is secured a gear-wheel, *a*, meshing with a similar wheel, *a'*, on a vertical shaft, D, which also has its bearings in the frame A.

To the lower end of the vertical shaft D is secured a hollow cone, G, closed at its upper end and open at the bottom. In the side of the cone G is a spiral slot or opening, over which is placed the knife or cutter I. This knife is fastened to a casting, H, provided with ears *b b*, and hinged on the inside of the cone to ears or lugs *d d*, projecting from a plate, J, which is fastened to the inside of the cone. The casting H is provided with an arm, K, the outer end of which is slotted, and has a set-screw, L, passing through said slot into the plate J. Around this set-screw, between the arm and the plate, is placed a spiral spring, *h*, which holds the knife-edge from the outer surface of the cone, and yet allows it to give inward, if necessary. By means of the set-screw L the knife may be adjusted as required.

The cone G is surrounded by a casing, M M', made in two equal parts, the part M being secured to the frame A, and the part M' hinged to said stationary part. This casing is, at the side where its two parts close together, formed with a mouth or hopper, N, as shown in Fig. 1, through which the material is fed and held against the knife, while the cone is rotated.

The cone G may be removed from the shaft D and a conical grater, O, placed thereon for grating purposes.

The cones G and O are held on the end of the shaft D by the following means: On the top of each cone is formed a hub, P, for the passage of the shaft D. This hub has a vertical slot, *m*, centrally through its upper end for the passage of a pin, *n*, which passes through the shaft, and when said pin reaches the end of the slot *m* it is turned into groove *i*, made in the hub P, and held by a hook, R. By this means either cone may be easily and quickly attached and detached, as required.

The two parts of the casing are held closed by means of a hinge-bolt, *p*, with thumb-nut *s* hinged to one part, and fitting between lugs *t t* on the other part, when the thumb-nut *s* is screwed up to fasten them together.

By this means the casing can be easily opened and closed, as required.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the cone G, arranged on a vertical axis, the metallic casing made with hopper attached, in two sections, the one section, M, rigidly secured to the frame, and the other section, M', hinged to the section M, and both preserving the same equal and uniform distance from the surface of the cone, substantially as set forth.

2. The combination of the cone provided with the hub P, having hook R, slot *n*, and groove *i*, with the shaft D and pin *n*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 27th day of June, 1877.

JOHN F. ROTE.

Witnesses:
HENRY HOOVER,
EZEKIEL JONES.