No. 634,494. Patented Oct. 10, 1899.

G. H. BRINSER.

VEGETABLE CUTTER.

(Application filed June 28, 1899.)

(No Model.)

Fig. 1.

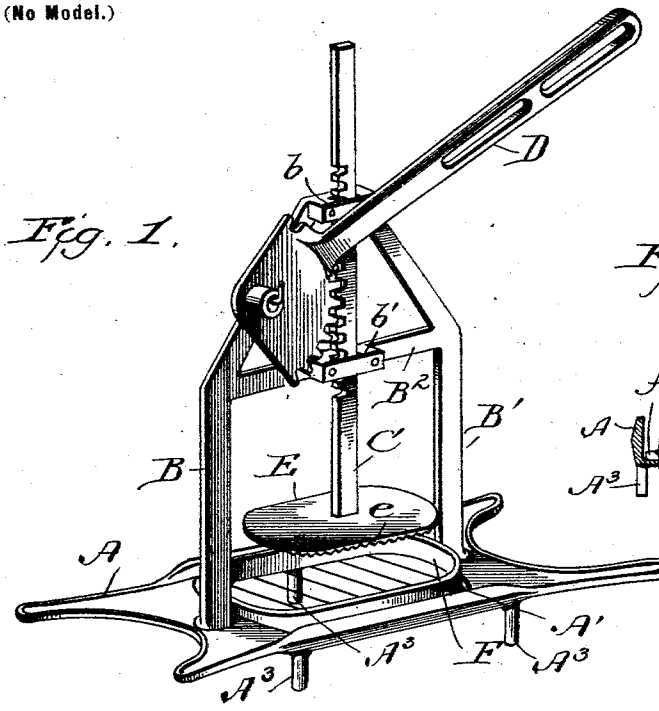


Fig. 5.

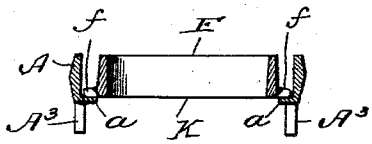


Fig. 2.

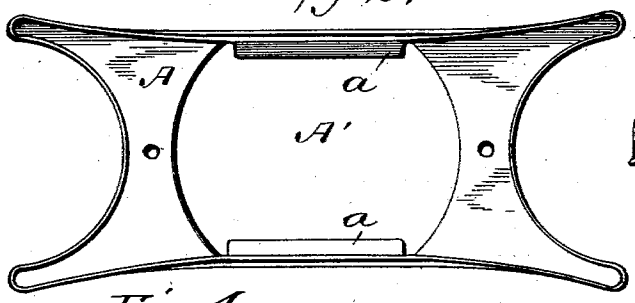


Fig. 3.

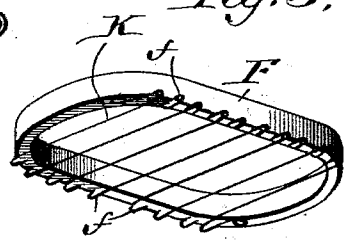


Fig. 4.

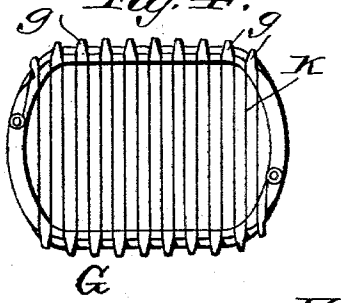


Fig. 6.

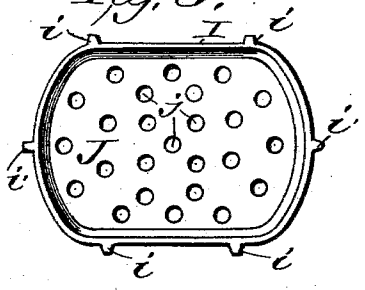
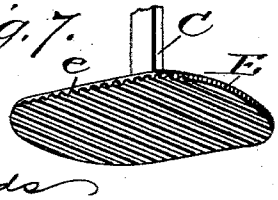


Fig. 7.



Witnesses
Henry Ludiw.
George D. Richards

Inventor
George H. Brinser
by
Wm. H. Babcock
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE H. BRINSER, OF LANCASTER, PENNSYLVANIA.

VEGETABLE-CUTTER.

SPECIFICATION forming part of Letters Patent No. 634,494, dated October 10, 1899.

Application filed June 28, 1899. Serial No. 722,117. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. BRINSER, a citizen of the United States, residing at Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain new and useful Improvements in Vegetable-Slicers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved household implement whereby potatoes, apples, and other products may be cut into slices of various thicknesses or into squares and which may also be used for lemon-squeezing, expressing the juice from meat to make beef-tea, and similar purposes, the cutting or straining parts being attached to or formed with interchangeable frames, casings, or hoppers, removable wires being substituted for knives as cutting and slicing agents, and the arrangement, construction, and combination of the parts being such that a single movement of one hand completes the operation.

To this end the said invention consists in the construction and combination of parts hereinafter set forth and claimed.

In the accompanying drawings, Figure 1 represents a perspective view of the complete utensil embodying my invention, the presser-block being raised. Fig. 2 represents a detail view of the base and hopper-holder empty. Fig. 3 represents a detail view of the hopper or cutter-frame and cutting-wires thereon. Figs. 4 and 6 represent detail views of alternative forms of cutter-frames or hoppers, that shown in Fig. 6, however, not being properly adapted to cutting. Fig. 5 represents a transverse vertical section through the cutter and frame on a plane passing through two of the lugs. Fig. 7 represents a detail view of the ribbed or corrugated plunger.

A designates the base of my slicing device or machine, the said base being provided with a large central opening A′ and two inwardly-extending horizontal longitudinal flanges at the sides thereof and the bottom of the said base for supporting the removable cutting-frame or hopper hereinafter described. The said base is preferably supported on three legs A^3, which are arranged two in front and one behind, being fastened by rivets. Standards B B′ are rigid with the said base and extend upward vertically for about half their height, then converge, and are united at the top, as shown, forming a frame which is braced about the middle by cross-bar B^2. To this top and cross-piece are attached guides *b b′* for a vertically-sliding rack C, engaged by a toothed segment D′, the latter being integral with a lever D, pivoted to the standard B of the said frame. The said rack constitutes the stem or plunger-rod of a flat plunger or presser plate E, having an approximately elliptical form and provided with ribs or corrugations *e* on its under face. This plunger fits into any one of the frames F G H or the hopper I, which alternatively set into the opening A′ aforesaid, resting on the flanges *a*. The cutter-frame F (shown in Fig. 1 in position for operating) has two series of lugs *f* extending laterally from its side bars at intervals along its entire length. These rest on the said flanges, and thereby support the frame. They also receive a wire or wires K, which are passed about them, forming parallel cutters across the open bottom of the said frame. The ends of the said lugs are also in contact with the vertical inner faces of the side walls of the said base, and therefore prevent the frame from rattling about and being dislodged. The construction of frame G is substantially the same, except that its lugs *g* are nearer together, and the wires K, being also nearer, will cut finer slices. The hopper or casing I, which is sometimes substituted, has a bottom plate J, provided with a number of holes *j*. It also has lugs *i* at its sides, which rest on the flanges *a* aforesaid, and lugs *i* at its ends. These lugs *i i′* fit against the end walls of the opening A′.

The vegetables or other article or substance to be operated on having been fed into the cutting-frame, the lever is turned to lower the plunger or presser plate into the said frame, forcing the said vegetables or other substances through the wires, which slice them or cut them according as they are arranged. Thus the material passing through frame F will be cut into moderately-thin slices, that passing through frame G will be cut into thin-

ner slices and that passing through frame H into squares. When the hopper I is employed, there is no cutting action, but the vegetables or other material will be crushed and forced through in disintegrated vermiform portions.

Of course this device may be used equally well with other food materials, and the wire may be arranged in diagonal lines or in any other convenient way instead of the arrangements shown.

Of course the frame or hopper constitutes a receptacle having openings in its bottom which may be either the spaces between the wires or the holes of the hopper-bottom plate. When the material is forced through them, it is sliced, cut up, or otherwise disintegrated.

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

An open cutter-frame provided with lugs extending outwardly from its sides in combination with wire which extends around the said lugs and across the said frame to form cutters, and a base provided with a central opening into which the said frame fits and with horizontal and vertical parts in contact with the said lugs, whereby the said frame is supported and held in place, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

GEO. H. BRINSER.

Witnesses:

JNO. O. B. DELLET,

JNO. M. BENARD.