No. 772,504. PATENTED OCT. 18, 1904.

R. L. DORSEY.

VEGETABLE CUTTER.

APPLICATION FILED MAR. 24, 1904.

NO MODEL.

Fig. 1.

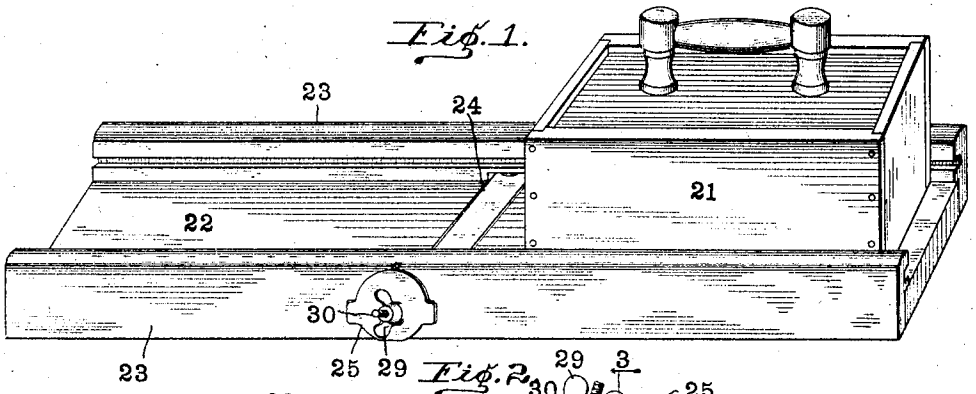


Fig. 2.

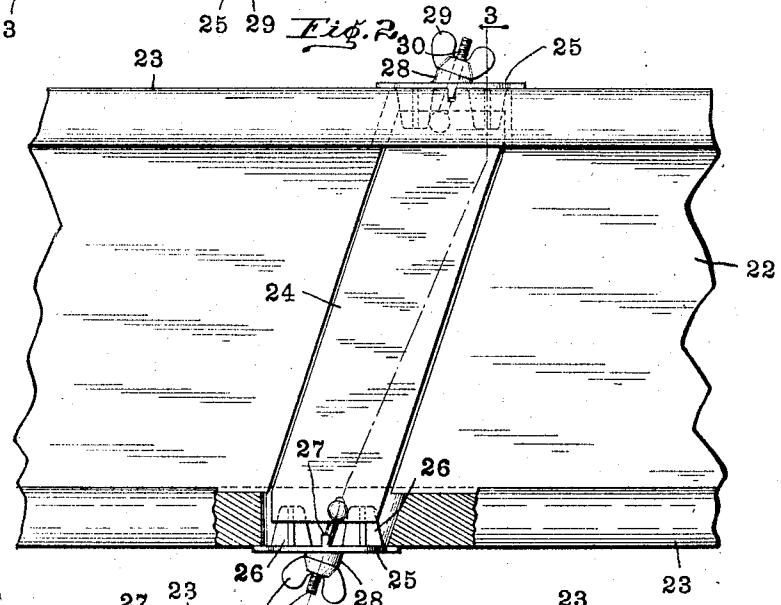


Fig. 3.

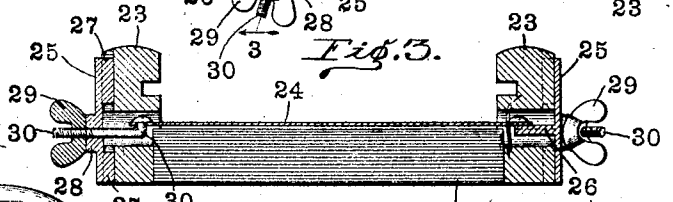


Fig. 4.

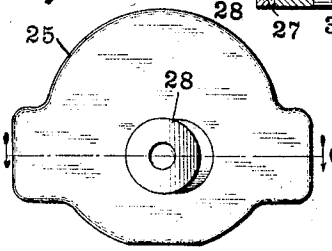


Fig. 5.

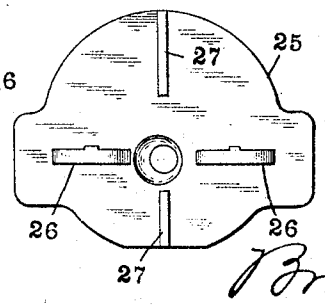
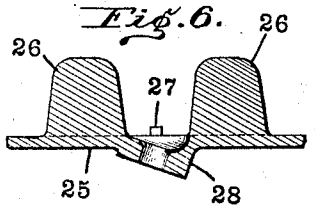


Fig. 6.



Witnesses
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No. 772,504. Patented October 18, 1904.

UNITED STATES PATENT OFFICE.

ROBERT L. DORSEY, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO E. C. ATKINS & COMPANY AND TUCKER AND DORSEY MANUFACTURING COMPANY, OF INDIANAPOLIS, INDIANA, CORPORATIONS OF INDIANA.

VEGETABLE-CUTTER.

SPECIFICATION forming part of Letters Patent No. 772,504, dated October 18, 1904.

Application filed March 24, 1904. Serial No. 199,678. (No model.)

To all whom it may concern:

Be it known that I, ROBERT L. DORSEY, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Vegetable-Cutters, of which the following is a specification.

My present invention relates to that variety of utensils by means of which vegetables may be sliced, kraut cut, and the like.

Said invention consists in a new and improved means of holding and adjusting the knife in the frame.

Referring to the accompanying drawings, which are made a part hereof and on which similar reference characters indicate similar parts, Figure 1 is a perspective view of a vegetable-slicer of the character in question; Fig. 2, a top or plan view or so much thereof as is necessary to illustrate my present invention, one of the frame sides being broken away to show the attaching device more clearly; Fig. 3, a transverse vertical sectional view at the point indicated by the dotted line 3 3 in Fig. 2; and Fig. 4 an elevation of the outer side; Fig. 5, an elevation of the inner side; and Fig. 6 a horizontal sectional view, looking downwardly from the point indicated by the dotted line 6 6 in Fig. 4, of the structure forming the principal part of the blade holding and tightening means.

The vegetable-receptacle 21 and the main body of the slicer, composed of the bottom 22 and sides or walls 23, are of a usual and well-known form or construction, except that the sides or walls are cut and grooved to fit my improved blade holders and tighteners. The blade 24 is also of substantially an ordinary form and construction, except that the holes therein which receive the holding and tightening bolts preferably should be a little to one side of the center instead of exactly central, the hole at one end being upon one side of the center and the hole at the other end being upon the other side of the center, as best shown in Fig. 2.

The blade holding and tightening means consists of a plate 25, having two blade-supporting brackets 26, extending out at substantially right angles with its face, upon which the ends of the blade rest, and having also ribs 27, entering grooves in the side of the frame, and an inclined bearing or spotting 28, against which the nut 29 of the bolt 30 bears when the parts are assembled. The blade holding and supporting means is duplicated, one set being at each end. The bolts are inserted through the holes in the blade and then passed on out through the sides or walls of the frame and through their respective plates and the nuts placed thereon. The walls of the frame are cut away sufficiently to receive the parts which immediately support the blade, so that only the free portion of the blade is exposed between the said walls or sides. The blade can easily be adjusted vertically by loosening the screws and sliding the plates slightly and retightening said screws. The grooves in the frame-walls and the ribs on the plates which enter them hold the plate from shifting longitudinally of the cutter-frame, and when the screws are tightened up the blade is put under a strong tension. Thus by means of a pair of these simple single castings and the two small bolts the blade is held firmly in position under good tension and is rendered capable of easy adjustment.

It may be here remarked that where the bolts are provided with heads, which I consider preferable, the holes in the blades are elongated somewhat (see Fig. 2) to permit said bolts to be easily inserted. If plain hook-bolts without heads are used, they may be engaged with round holes in the blade without difficulty.

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

1. The combination, in a vegetable-slicer, of the frame, a plate arranged to bear on the outside of the frame at each end of the blade position and having brackets which extend through the frame and support the ends of

the blade, and bolts adapted to engage with the blade and pass through said plates to the outside where they are provided with nuts.

2. The combination, in a vegetable-slicer, of the frame, a plate arranged to bear on the outside of the frame at each end of the blade position, each of said plates having a rib for holding the same from slipping endwise and having a bracket which extends through the frame and engages the blade, the blade extending transversely across the frame, and adjustable fastening means forming a connection between the blade and each bracket and adjustable in the line of the blade, whereby the blade may be adjusted and placed under tension.

3. The combination, in a vegetable-slicer, of the frame, a blade extending transversely across the frame, a pair of brackets arranged to bear on the outside of the frame at each end of the blade, means carried by the brackets for engaging the blade to prevent turning thereof, a pair of bolts one connected to each end of the blade and passing through the adjacent plate, and a nut carried by the bolt and adapted to engage its plate whereby the blade may be placed under tension and the several parts held in position by said bolts.

4. The combination, in a vegetable-slicer, of the frame, a blade extending transversely across the frame, a pair of plates adjustable toward and from the base of the frame and adapted to bear on the outside of the frame at each end of the blade position, and a connection between each end of the blade and the adjacent plate, said connection being adjustable in length whereby said connections will serve to hold the plates against the frame and to place the blade under tension, and means carried by the bracket for engaging the blade to prevent the turning thereof.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 21st day of March, A. D. 1904.

ROBERT L. DORSEY. [L. S.]

Witnesses:
CHESTER BRADFORD,
JAMES A. WALSH.