June 9, 1942. S. FABIAN 2,286,177

SLICER

Filed April 1, 1941

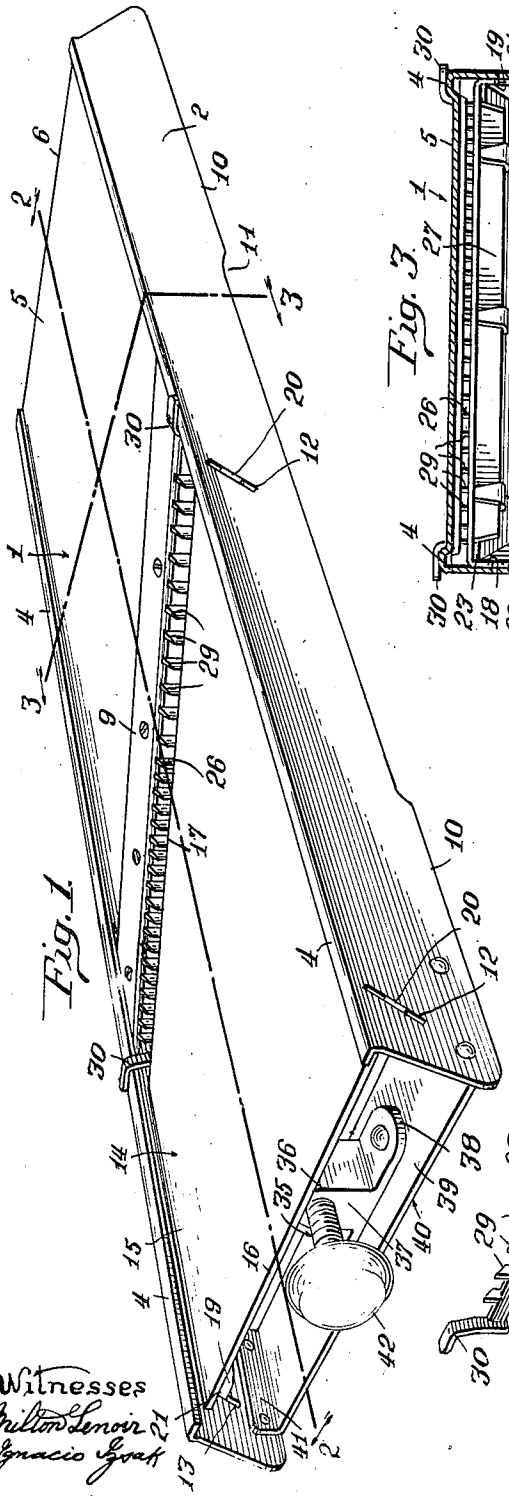


Fig. 1.

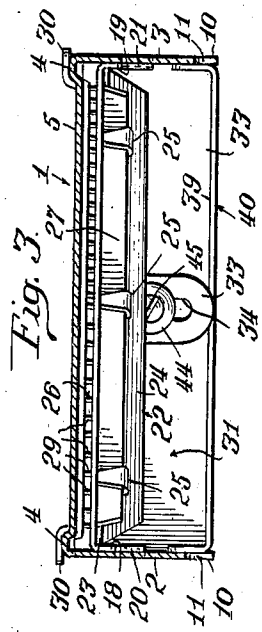


Fig. 3.

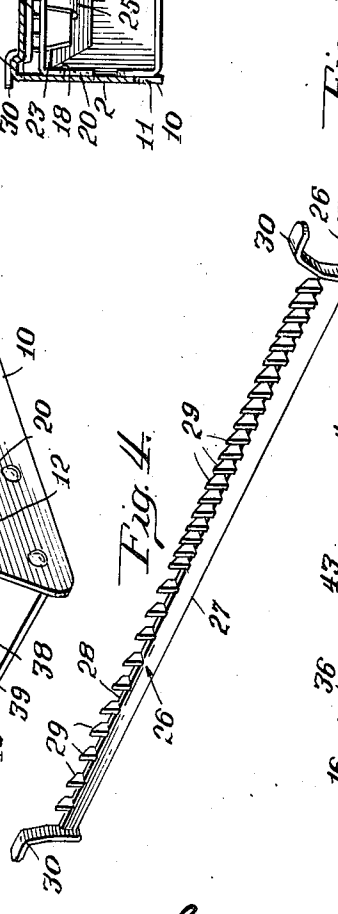


Fig. 4.

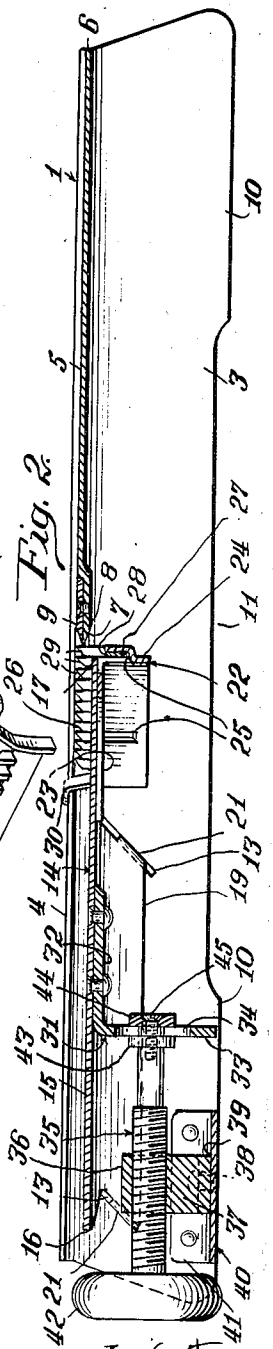


Fig. 2.

Witnesses
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SLICER

Sigmond Fabian, Chicago, Ill.

Application April 1, 1941, Serial No. 386,352

1 Claim. (Cl. 146—168)

This invention relates generally to a device to be used for vegetables such as potatoes, cucumbers, onions, and the like.

The main object of the invention is to provide a slicer which is adapted for economically slicing the vegetables horizontally to the requisite thickness.

Another object of the invention is to provide a slicer adapted for slicing the vegetables or other objects horizontally and vertically to the required thickness.

A further object of the invention is to provide a slicer which can be easily handled and readily applied without the necessity of special skill and which will not require frequent repair and replacement.

A still further object of the invention is to provide a slicer which is of simple construction and may be produced along lines convenient for low cost manufacture, and which will at the same time be highly efficient for carrying out the purposes for which it is intended.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention consists in certain novel features of construction and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawing, and particularly pointed out in the appended claim, it being understood that various changes in the form, proportion, size and minor details of the structure may be made without departing from the spirit or sacrificing any of the advantages of the invention.

For the purpose of facilitating an understanding of the invention, I have illustrated in the accompanying drawing a preferred embodiment thereof, from an inspection of which, when considered in connection with the following description, the invention, its mode of construction and assembly, and many of its advantages, will be readily understood and appreciated.

Referring to the drawing, in which similar characters of reference are employed to indicate corresponding parts throughout the several figures of the drawing,—

Fig. 1 is a perspective view of the device.

Fig. 2 is a longitudinal section taken on the line 2—2 of Fig. 1.

Fig. 3 is a cross sectional view taken on line 3—3 of Fig. 1.

Fig. 4 is a perspective view of the grader.

Referring to the drawing more specifically by characters of reference, 1 designates the body portion, and 14 the channel-like slide.

The body portion 1 comprises the side walls or members 2 and 3, with flanges 4—4 thereon.

The top plate 5 extends about two-thirds of the length of the body portion 1, having a straight outer edge 6, while the inner edge of same terminates in a bevelled edge 7, set at an angle of 32° recessed at its upper side 8, for the reception of the horizontal cutting blade or knife 9, it being securely held.

The side walls 2 and 3 have the leg 10 formed at their bottoms adjacent to the front and rear, with an open space 11 therebetween.

The body portion 1, being open at its bottom, permits the device to be positioned upon a receptacle, into which the sliced vegetables are discharged.

The side wall 2 has the slots 12—12, disposed at an angle of 45°. The side wall 3 has the slots 13—13, disposed at an angle of 45°.

The said slide 14 comprises the top plate 15, having a straight outer edge 16, the inner edge of which terminates in a bevelled edge 17, set at an angle of 32°, and two vertically apart side flanges 18 and 19, the extremities of which are substantially bent outwardly at an angle of 45°, forming the guides 20—20 and 21—21, respectively, moving freely and uniformly in the slots 12—12 and 13—13, respectively, to permit the spacing apart vertically of the bevelled edges of the body portion and the slide, to the requisite thickness of the slices to be taken from the vegetable.

The bracket 22, one flange 23 of which is secured to the under side of the top plate 15, adjacent to the bevelled edge 17, while its other flange 24 has a series of notches 25 thereon for the reception of a grader 26, which has the lower portion 27 and the upper portion 28, with a series of cutting means 29 thereon, set an an angle of 32°, being spaced apart the requisite distance to form therebetween slices of the required thickness of the vegetable to be sliced.

The lower portion 27 has the arms 30, 30 thereon, permitting the removal of the grader.

The bracket 31, one flange 32 of which is secured to the under side of the top plate 15, has its other flange 33, having a centrally disposed slot 34.

The threaded spindle 35 is rotatably mounted in the hub 36 of the bracket 37, the bottom flange 38 of which is secured on the inner surface 39 of the cross member 40, the flanges 41, 41, being secured within the side walls 2 and 3, respectively, adjacent to the front of the device.

The handwheel 42 is securely held on the outer

end of the threaded spindle **35**, the inner end of which is constrained to move in the slot **34**, by means of the washers **43** and **44**, being secured by the screw **45** into the end of the said spindle.

Assembly of the device

The top plate **5** is secured with cutting knife **9**, mounted to the under side of the flanges **4**, **4**, of the side members **2** and **3**, the guides **20**, **20**, of the slide **14**, with the brackets **22** and **31** mounted on the under side of its top plate **15**, being positioned within the slots **12**, **12**, and **13**, **13**, of the side members **2** and **3**, respectively; the cross member **40**, with the bracket **37** being centrally mounted on its inner surface **39**, is secured by its flanges **41**, **41**, within the side members **2** and **3**; the threaded spindle **35** is rotated along in the hub **36**, until its end, having the washer **43** thereon, is projecting through the slot **34**, when the washer **44** is secured by the screw **45** thereinto.

The operation of the slicer

The device with its open bottom is set upon a receptacle into which the sliced vegetables are discharged when the handwheel **42** is rotated anti-clockwise until the guides **20**, **20**, slidingly and uniformly moving in the slots **12** and **13**, respectively, position, vertically apart, the top plate **15**, of the slide **14**, from the top plate **5**, of the body portion **1**, a distance equal to the desired thickness of the slice that is to be taken from the vegetable, which is manually moved on the top of the slide **14** against the cutting blade **9**.

Positioning the grader **26** in the notches **25** of the bracket **22**, the handwheel **42** being rotated anti-clockwise until positioning the top plate **15** of the slide **14** relatively from the top plate **5** of the body portion **1**, a distance equal to the desired thickness of the slice that is to be taken from the vegetable, it will ensure therebetween vertical slices of the required thickness in advance of the vegetable contacting the cutting blade against which it is manually moved.

I claim:

In a vegetable slicing device, the combination of a fixed body portion equipped with top flanges, a horizontally sliding channel-like portion and a vertically removable, adjustable grader having an arm on each end, said fixed body portion bearing at its inner end a rigidly held slicing edge, said horizontally sliding channel-like portion having disposed at its inner end a vertical bracket, said bracket comprising a series of notches, said notches engaging corresponding portions of the lower part of the said grader while its two end arms rest on the top flanges of the fixed body portion.

SIGMOND FABIAN.