May 29, 1923.

1,457,233

J. J. SLOVACK

PIE CUTTING DEVICE

Filed Nov. 14, 1921

2 Sheets-Sheet 1

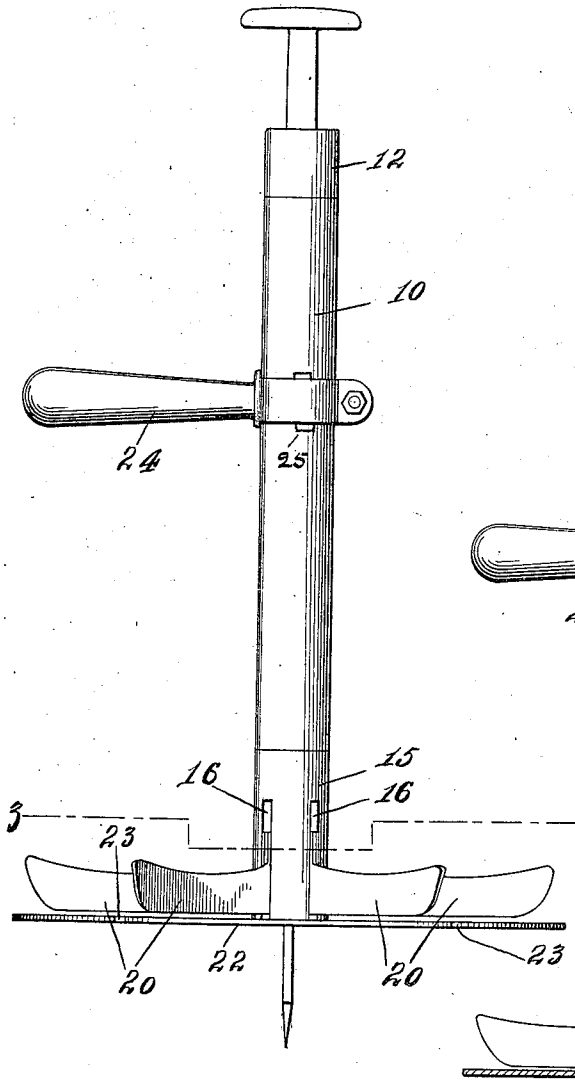


Fig. 1.

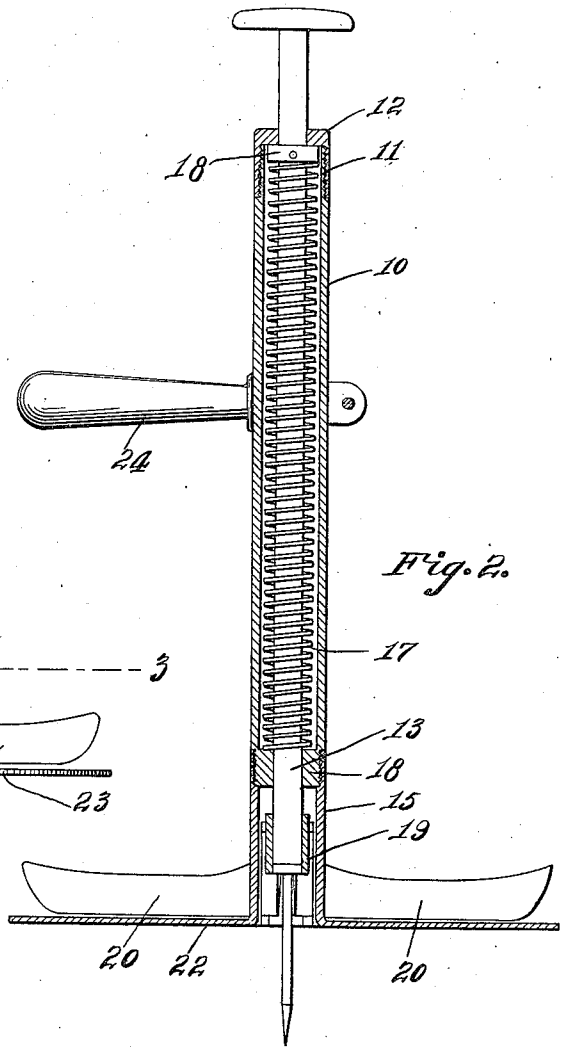


Fig. 2.

Leo Hayes

WITNESS:

J. J. Slovack INVENTOR

BY Victor J. Evans

ATTORNEY

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2 Sheets-Sheet 2

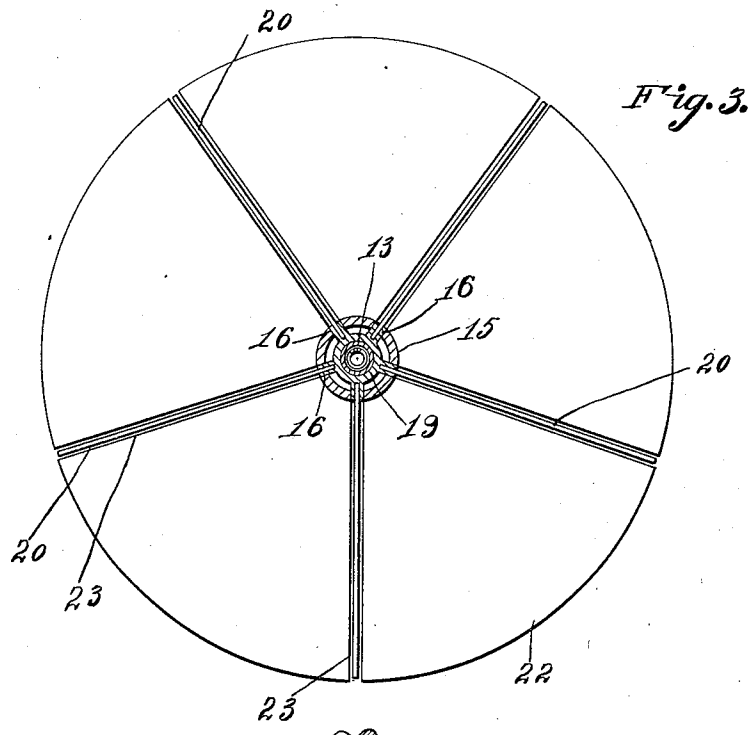


Fig. 3.

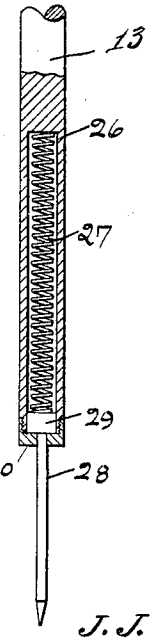


Fig. 4.

WITNESS:

J. J. Slovack INVENTOR

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Patented May 29, 1923. 1,457,233

UNITED STATES PATENT OFFICE.

JOSEPH J. SLOVACK, OF SUNDERLAND, MASSACHUSETTS.

PIE-CUTTING DEVICE.

Application filed November 14, 1921. Serial No. 515,005.

To all whom it may concern:

Be it known that I, JOSEPH J. SLOVACK, a citizen of the United States, residing at Sunderland, in the county of Franklin and State of Massachusetts, have invented new and useful Improvements in Pie-Cutting Devices, of which the following is a specification.

This invention relates to a pie cutting device, and the object is to provide, in connection with a supporting and guiding element, a reciprocable member mounting a plurality of radial cutting blades.

A further object is to provide, in a device of the character indicated, a reciprocable resiliently mounted member, guiding means therefor, and a cutting element including a plurality of radial blades carried by the reciprocable member, and a radially slotted plate member, the angle between the slots of this element corresponding with the angle between the blades forming the cutter.

With the foregoing and other objects in view, the invention consists in the novel construction and arrangement of elements described and claimed, it being understood that modifications may be made within the scope of the claims, without departing from the spirit of the invention.

In the drawings, Figure 1 is a view of the device in side elevation; Figure 2 is a view in vertical section; Figure 3 is a section on line 3—3 of Figure 1, the lower part of the device being in top plan; Figure 4 is a detail view, in vertical section, through the lower part of the vertically movable element.

The main supporting and guiding member is designated 10, and is provided at its upper end with a threaded portion 11 engaged by a cap 12, having a central aperture through which the reciprocable element 13 passes.

Formed with element 10 or connected with the lower portion thereof is a longitudinally slotted member 15, the slots being designated 16 and providing for the operation of the radial blades of the cutting device.

The member 13 is encircled by a coil spring 17, acting to return the cutter to normal position after operation, by pressure on the elements 18.

A head 19 is carried by the element 13, and connected therewith are the radial blades 20 corresponding in number with the slots 16, it being obvious that the device may be made for cutting any suitable number of pieces, as for instance five or six.

A plate 22 is mounted as shown, and is also provided with slots corresponding in number with the number of blades, the slots being designated 23.

A device 24 mounted on the element 10 acts as a gage, and enables the operator to determine the center. It should be added that the plate 22 is about the diameter of the pie to be cut, and prevents the breaking of the edges of the crust.

The device is placed on the pie to be cut, the handle 24 is grasped in one hand and the spindle or element 13 is pressed downwardly. Pin 28 will enter the pie, to an extent determined by the thickness of the pie, and the plate 22 will then rest on the upper portion or crust. If the pie is placed on a wooded plate or a cutting board, the pin will enter the wood to a very slight extent and will steady the device. As pies vary in size, the diameter of the plate 22 and the pie may differ considerably, and in that event a handle such as 24 may be of any length desired, for acting as a gage in determining the center.

What I claim is:

1. A device of the class described comprising a supporting element, a reciprocable element carried thereby, said element being movable manually with reference to the supporting member, a spring for returning the reciprocable element to normal position after the manual operation, radial blades carried by the reciprocable element, a plate member provided with radial slots, the angle between the slots corresponding with the angle between the blades, and means carried by the supporting member for guiding the blades a pin mounted for vertical movement within the lower end of the reciprocable element, and a spring acting to force the pin downwardly.

2. A device of the class described comprising a supporting member, a rod mounted for longitudinal movement therein, a spring encircling said rod and acting to return it to normal position after manual reciprocation, a head carried by said rod,

blades mounted on the head and radiating therefrom, a slotted element carried by the supporting member, the slots extending longitudinally thereof and permitting of the movement of the blades when the rod is reciprocated, a plate having radial slots through which the blades pass when the rod is reciprocated, and a gage element carried by the supporting member and permitting the latter to be placed in the center of an article to be cut.

In testimony whereof I affix my signature.

JOSEPH J. SLOVACK.