

Aug. 28, 1923.

1,466,114

R. BUCHI

APPLE SLICER

Filed April 7, 1923

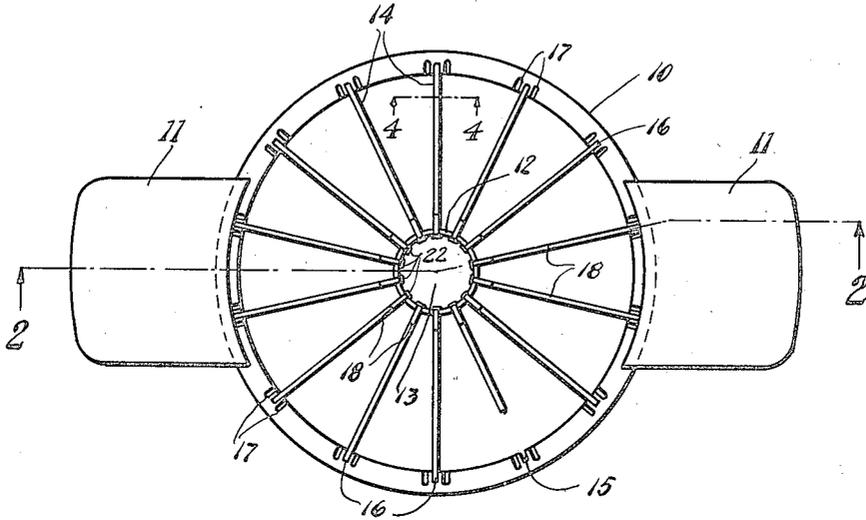


Fig. 1

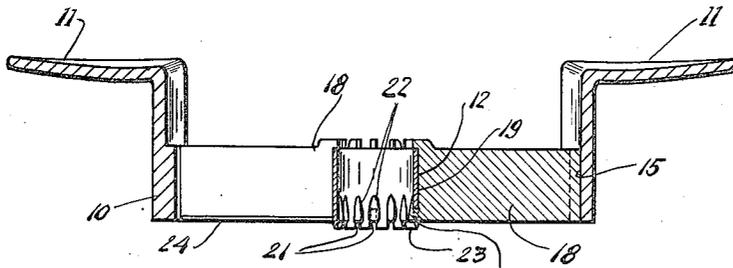


Fig. 2

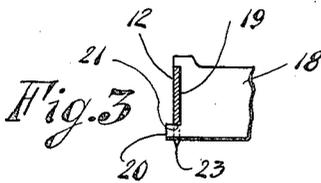


Fig. 3

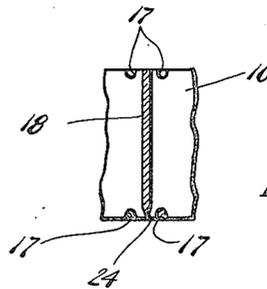


Fig. 4

Witnesses:

W. Schmullhauf

C. E. Meade

Inventor:

Robert Buchi

By Joshua R. N. Gotsch
his Attorney

UNITED STATES PATENT OFFICE.

ROBERT BUCHI, OF CHICAGO, ILLINOIS.

APPLE SLICER.

Application filed April 7, 1923. Serial No. 630,433.

To all whom it may concern:

Be it known that I, ROBERT BUCHI, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Apple Slicers, of which the following is a specification.

My invention relates to novel improvements in apple slicers and has for its principal object the provision of a construction of this character which will be durable in use and economical in manufacture.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawing forming a part of this specification, and in which,

Fig. 1, is a top plan view of a vegetable slicer embodying the invention;

Fig. 2, is a sectional view of the same taken substantially on line 2—2 of Fig. 1;

Fig. 3, is a fragmentary view showing the method of mounting the inner ends of the cutting elements embodied in the invention; and

Fig. 4, is a fragmentary sectional view taken substantially on line 4—4 of Fig. 1.

In attaining the objects of the invention and with reference to the drawings, 10 indicates an outer frame in the form of a ring and provided with integral lateral oppositely disposed hand gripping portions 11. Mounted concentrically with respect to the frame 10 and within the circumference thereof is a ring member 12 providing a central opening 13.

Transversely arranged and radially disposed about the ring member 12 are cutting elements 14 equally spaced apart as shown.

One of the objects of the invention is to assemble these cutting elements in their respective position in such a manner that they will not be ruptured or broken loose when brought down upon a vegetable, such as an apple, to cut the apple into slices of equal portions. In attaining this object of the invention vertically extending grooves 15 are formed in the inner surfaces of the frame 10 for the reception of the outer ends 16 of the cutting elements 14, the ends 16 of the cutting elements 14 being adapted to snugly fit within the grooves 15. After these ends

of the cutting elements are mounted in the grooves the material adjacent each side of the grooves is pinched together as at 17.

The inner ends 18 of the cutting elements are provided with vertically extending recesses 19 for the reception of the ring 12. Projections 20 are formed on the inner ends of the cutting elements and are adapted to project through slots 21 formed in the ring 12 as shown in Fig. 2, and are adapted when mounted in such slots to project beyond the inner surfaces of the ring 12. These projecting portions 20 of the cutting elements are milled over forming flat or rivet heads 22, as best shown in Fig. 2.

It will be seen that the ring member 12 being mounted in the recesses 19 of the cutting elements will strongly bind the cutting elements in the position illustrated in Fig. 1 and will aid in resisting undue strain imparted to the cutting elements when brought into cutting operation. As shown in Fig. 2, the lower peripheral edge 23 of the ring member 12 and the lower edges 24 of the cutting elements are provided with knife edges which make it comparatively easy for the elements to pass through the vegetable to be sliced.

The ring member 12 as herein stated provides a passage 13 the provision of which is to separate the core of the vegetable, such as the core of an apple, from the other parts of the apple when sliced.

In addition to the method of assembling the cutting elements in position as above outlined, it is apparent that the various joints can be soldered to provide additional reinforcement, however, it is obvious that soldering the various joints is not necessary as the assembling of the cutting elements above outlined will be sufficiently strong to hold the various parts of the slicer in position when subjected to undue resistance.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variation and modifications as come within the scope of the appended claims.

Having described my invention what I

claim as new and desire to secure by Letters Patent, is:

1. An article of manufacture including a frame having vertical grooves formed in its inner sides, and cutting elements having end portions fitting the grooves with the portion of the material of the frame on opposite sides of the end portions at the tops thereof pinched together.
2. An article of manufacture including an outer ring member having grooves formed in its inner surfaces thereof, an inner ring member having slots formed in its lower peripheral edge, and cutting elements having ends engaging the grooves and projecting portions engaging the slots.
3. An article of manufacture including an outer ring member having grooves formed in its inner surfaces thereof, an inner ring member having slots formed in its lower peripheral edge, cutting elements having ends engaging the grooves and projecting portions engaging the slots, and hand gripping portions on the outer ring member.
4. An article of manufacture including an outer frame having vertically extending grooves formed in its inner surfaces thereof, an inner ring member arranged concentrically with respect to the frame and having slots formed in its lower peripheral edge, and cutting elements having ends engaging the grooves and having recesses formed in the other ends for the reception of the ring member and having projections extending through the slots with riveted heads formed thereon.

trically with respect to the frame and having slots formed in its lower peripheral edge, and cutting elements having ends engaging the grooves and having recesses formed in the other ends for the reception of the ring member and having projections extending through the slots with riveted heads formed thereon.

5. An article of manufacture including an outer frame having vertically extending grooves formed in its inner surfaces thereof, an inner ring member arranged concentrically with respect to the frame and having slots formed in its lower peripheral edge, cutting elements having ends engaging the grooves and having recesses formed in the other ends for the reception of the ring member and having projections extending through the slots with riveted heads formed thereon, and hand gripping portions on one of said members.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT BUCHI.

Witnesses:

FREDA C. APPLETON,
LOUISE SYMVOIT.