Jan. 20, 1953 F. TORRES 2,625,972

CUTTER FOR PRODUCING RADISH ROSETTES

Filed Sept. 30, 1949

Fig. 1.

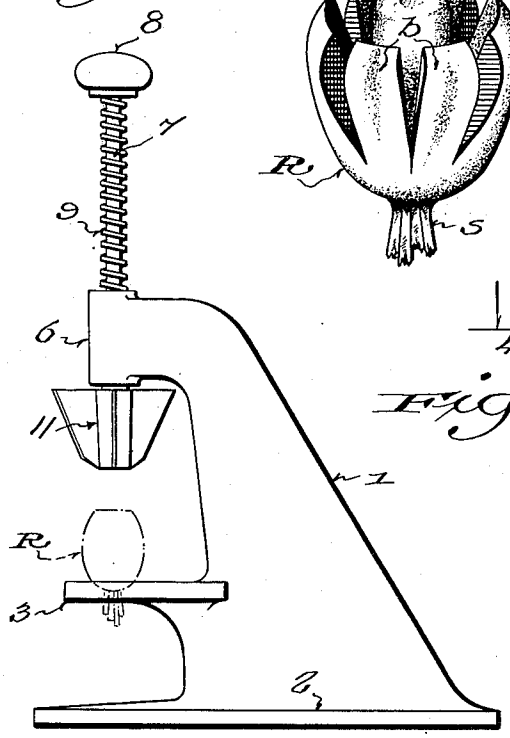


Fig. 5.

Fig. 2.

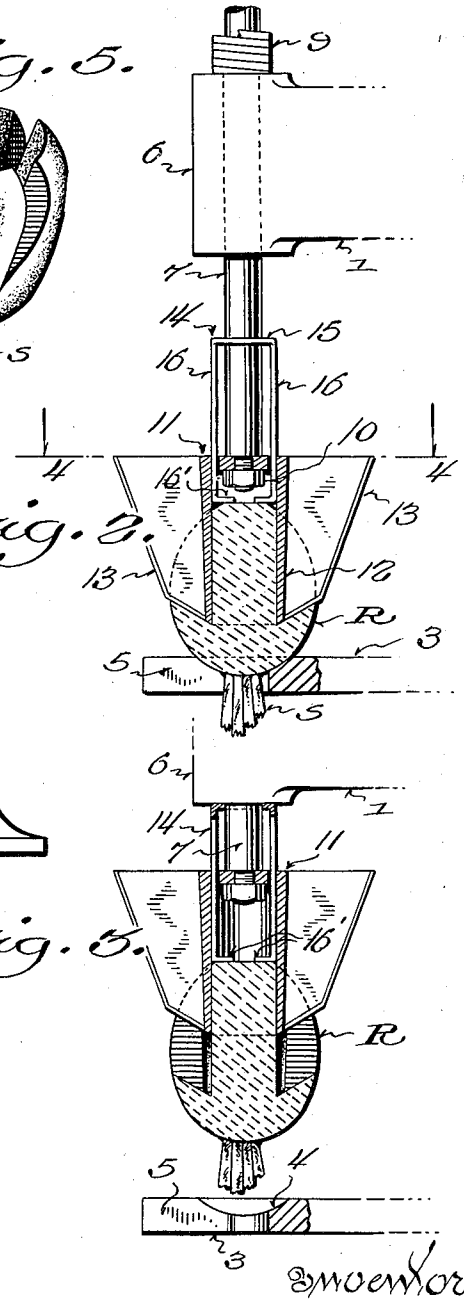
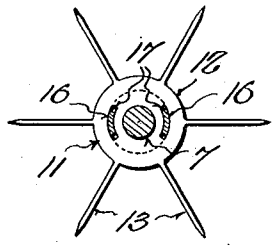


Fig. 3.

Fig. 4.



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CUTTER FOR PRODUCING RADISH ROSETTES

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1 Claim. (Cl. 146—159)

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This invention pertains generally to vegetable cutters, and more particularly to a manually actuated tool for budding radishes and similar vegetables or fruit for the purpose of ornamentation.

The invention has primarily for its object to provide a comparatively simple and inexpensive tool for uniformly cutting radishes and the like to ornament the same, and automatically eject the objects from the tool upon return of the cutter from its operative position.

Incidental to the foregoing, a more specific object of the invention resides in the provision of a tool comprising a manually operable plunger for actuating a cutter designed to simultaneously perform a central annular cut and a plurality of connected spaced radial cuts to give the object the simulated appearance of the pistil and petals of a flower.

In addition to the foregoing, other objects will appear as the description proceeds, and while the accompanying drawing illustrates one complete physical form of the invention constructed in accordance with the best mode so far devised, it is to be understood that changes in the precise embodiment of the invention are contemplated within the scope of the appended claim.

In the drawing:

Figure 1 is an elevational view of a tool incorporating principles of the present invention;

Figure 2 is a fragmentary elevational view, partially in section and showing the cutter at the completion of its operative stroke;

Figure 3 is a similar view illustrating the cutter in an intermediate return position with the object partially ejected from the cutter head;

Figure 4 is a plan sectional view taken on the line 4—4 of Figure 2; and

Figure 5 is a perspective view of a radish processed by the present tool.

Referring now more particularly to the accompanying drawing, the numeral 1 designates a stand including a base 2 for attachment to a table or support. The stand 1 is provided with a supporting table 3 intermediate its upper and lower ends, the top face of the table being provided with a recess 4 to hold a spherical object such as a radish or similar shaped vegetable or fruit to be cut. The recess 4 communicates with a slot 5 formed in the front edge of the table to facilitate insertion of the stems of the object to be treated.

The upper end of the stand 1 is provided with a boss 6 in which a plunger 7 is slidably mounted.

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The upper end of the plunger 7 is equipped with a hand knob 8, and a compressible coil spring 9 surrounding the plunger and interposed between the knob 8 and the boss 6 serves to normally urge the plunger to its uppermost inoperative position.

Secured upon the lower end of the plunger 7 by a nut 10 is a cutter head 11, consisting of a cylindrical cutter 12 provided with a plurality of spaced radial blades 13. The cutting edges of the blades 13 are preferably tapered from their upper ends toward the lower cutting edge of the cylindrical cutter 12 to facilitate their insertion into a vegetable.

Slidably mounted on the plunger 7 below the boss 6 is an ejector 14, consisting of a disc 15 surrounding the plunger and provided with oppositely spaced depending arms 16, which extend through slots 17 formed in the top of the cylindrical cutter 12. The lower ends of the arms 16 terminate in inturned fingers 16', which engage the top of the object to be cut during operation of the tool.

For the purpose of explanation, a radish R processed by the present tool has been illustrated, and as shown in Fig. 5 after the radish has been cut by the tool the same simulates a pistil *a* and petals *b* of a conventional bud or flower.

In operation the radish R, the root and stems *s* of which have been trimmed, is placed in the recess 4 of the table 3 with the stems extending downwardly. The plunger 7 is then manually depressed against the spring 9, causing the cutter head 11 to engage and cut the radish, both cylindrically and radially in the manner shown in Fig. 2.

As the cutter head 11 enters the radish the fingers 16' of the ejector 16 engage the top of the same causing relative movement between the ejector and cutter head. The depth of the cut is determined by the solid dimensional length of the coil spring 9 when the same is completely compressed.

After the radish has been cut and the plunger 7 released, the spring 9 returns the plunger to its normal raised position, during which movement the top disc 15 of the ejector 14 engages the lower face of the boss 6, as shown in Fig. 2, and as the plunger and cutter head continue to move upwardly, the ejector 14 provides a positive stop or abutment for the radish causing the same to be stripped from the cutter head and ejected from the tool.

From the foregoing explanation, considered in connection with the accompanying drawing, it will

be apparent that an exceedingly simple and inexpensive tool has been devised, to enable radishes and similar objects to be quickly and uniformly cut for embellishment or ornamentation, and which automatically ejects the same upon completion of the operative stroke of the cutter head.

I claim:

A tool of the character described comprising, a stand including a supporting table, a spring urged manually operable plunger journalled in said stand for reciprocative vertical movement, a cutter head secured to the bottom of said plunger and consisting of a cylindrical cutting blade provided with spaced radial blades, an ejector slidably mounted on the exterior of said plunger and provided with depending arms extending into said cylindrical cutting blade for automatically and positively ejecting objects from said cutter head upon return of said plunger to its normal inoperative position, and means mounted on said plunger for limiting its downward movement so that the cutter head is held in spaced relation to said supporting table to prevent complete severance of the work objects.

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