(No Model.)

W. F. TURNBULL.

COCOANUT GRATER.

No. 425,472. Patented Apr. 15, 1890.

Fig. 1.

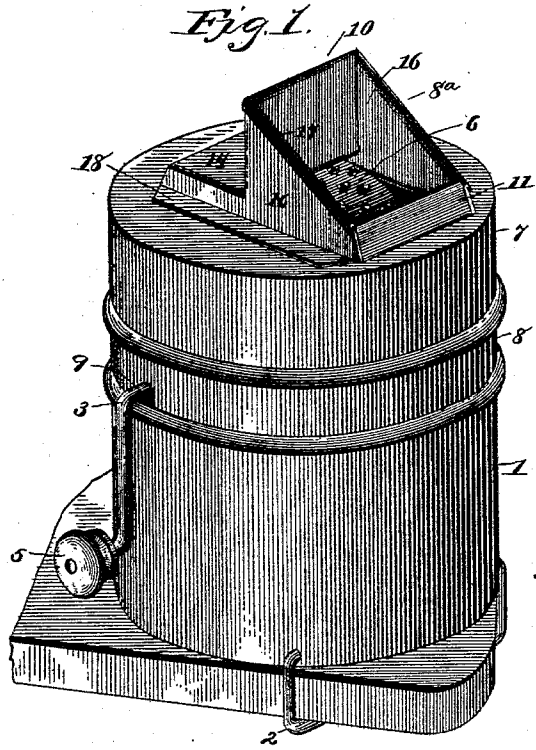


Fig. 2.

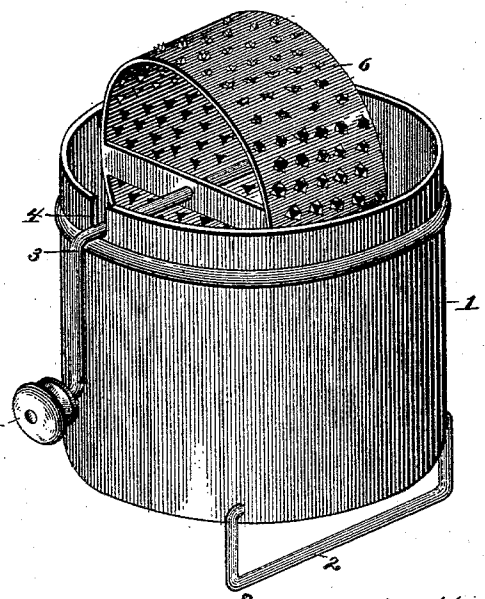


Fig. 3.

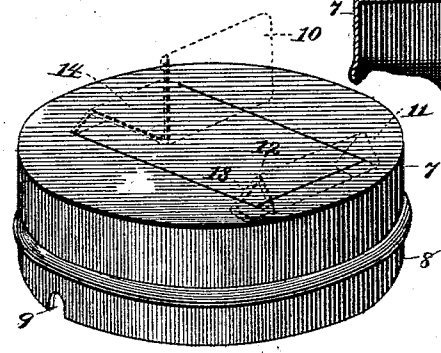
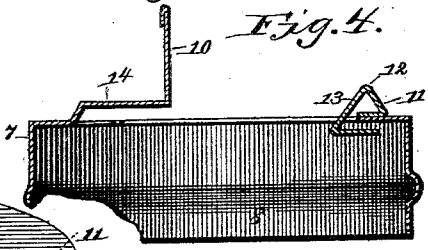


Fig. 4.



Witnesses:

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By his Attorneys,

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM F. TURNBULL, OF NEWPORT NEWS, VIRGINIA, ASSIGNOR OF ONE-HALF TO GEORGE B. WEST, OF SAME PLACE.

COCOANUT-GRATER.

SPECIFICATION forming part of Letters Patent No. 425,472, dated April 15, 1890.

Application filed July 27, 1889. Serial No. 318,910. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. TURNBULL, a citizen of the United States, residing at Newport News, in the county of Warwick and State of Virginia, have invented a new and useful Cocoanut-Grater, of which the following is a specification.

This invention has relation to cocoanut-graters, and, though especially designed for grating cocoanuts, may be used for grating vegetables of different kinds.

The invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claim.

Referring to the drawings, Figure 1 is a perspective of a grater constructed in accordance with my invention. Fig. 2 is a similar view, the cover removed; and Fig. 3 is a detail of a cover, illustrating in dotted lines the manner of cutting and bending the same to form the feed-chute. Fig. 4 is a sectional view taken through Fig. 3.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents the usual cylinder, in the bottom of which is loosely swiveled a table-top-embracing bail 2, as shown in Fig. 1. In order to secure the cylinder to the table-top it is merely necessary to swing the bail under the top, the bail binding the cylinder in position.

3 represents the crank-shaft, which is journaled in openings 4, formed in the edge of the cylinder 1 at diametrically-opposite points, said shaft being removable from the bearings for the purpose of permitting access to the interior of the cylinder. The outer end of the shaft is provided with a handle 5 for operating the shaft, and between its bearings said shaft is provided with a cylindrical grater 6.

7 represents a removable cover, which is provided with an annular flange 8, having diametrically-opposite openings 9 in its edge corresponding with those in the edge of the cylinder, and adapted to form the upper portion of the bearings for a crank-shaft.

8^a represents the feed-chute of the grater, and the particular construction of the same I consider an important feature of my invention.

In forming the chute I make two parallel transverse cuts across the top of the cover and extending nearly from edge to edge thereof, and connect said cuts at two of their ends by a right-angular or transverse cut, thus forming an integral tongue 10. The tongue 10 is offsetted above the cover, as at 14, to permit of the cylinder being mounted slightly above the plane of the top, and is extended to about the center of the opening formed by the tongue, at which point the tongue is bent upward at a right angle to the top and above the same, forming the rear wall of the chute.

A rectangular blank of metal 11 is bent laterally upon trisecting fold-lines, thus forming an inclined feed-table 12, the shape of which is triangular in cross-section, the opposite free edges of which are soldered to the edge of the opening 13, formed by the upward bending of the tongue. The rear wall 10 and the opposite ends of the blank 11 are joined by semi-arrow-shaped side pieces 16, the lower edges of the sides being flanged outwardly and soldered to the top, as at 18. By this construction it is apparent that a cocoanut or other vegetable may be fed into the chute without liability of cutting the hands of the operator.

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

In a grater of the class described, a cover the top of which is provided with an integral tongue and bent to form a rear wall at an angle to the top, an inclined feed-table secured to the opening formed by the tongue, and opposite side pieces connecting said feed-table and wall, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

WILLIAM F. TURNBULL.

Witnesses:

WM. A. ALLAN,

H. H. HANKINS.