

PATENT SPECIFICATION

(11) 1 282 940

DRAWINGS ATTACHED

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 A4C 5



(54) CHEESE-GRATING DEVICE

(71) I, JACQUES BUVELOT, of Chemin Veyrassat 12, 1180 Rolle, Switzerland, a Swiss Citizen, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to a hand-operated utensil for grating cheese and other products of similar consistency.

It is an object of this invention to provide a hand-operated utensil for grating cheese and other products of similar consistency, that is simple in operation, reliable and fast in operation, clean and hygienic, easy to fill and to clean, while being of pleasing and even decorative appearance.

According to the invention there is provided a hand-operated utensil for grating cheese and other products of similar consistency, having a grating disc in a casing consisting of a plurality of coaxial cylindrical parts, the product to be grated and the grating disc being rotatable relatively to each other by twisting at least one casing part relative to another thereof, a diametrically disposed partition or cross wall extending substantially over the width of the grating disc and adapted to be disposed perpendicular thereto and which partition or wall is rotatable about the longitudinal axis of the casing parts, and one of said casing parts being in the form of a piston with a diametrically disposed slot axially slidably engageable over said partition or cross wall, the arrangement being such that when said piston is twisted around the longitudinal axis of the casing parts relative to another part thereof the partition or cross wall is twistable with the piston relative to the peripheral wall of at least one of the other casing parts, and said cross wall is rotatable about a pivot pin secured to a bottom edge thereof and adapted to engage a central aperture in the grating disc, said pin being secured against axial shifting relative to said disc by a removable pin passing through a lateral hole in said pivot pin on the underside of said disc.

[Price 25p]

For a better understanding of the invention reference will now be made to the following description, given by way of example, and the accompanying drawing in which one form of utensil embodying the invention is shown disassembled.

As can be seen from the drawing the utensil includes several coaxial cylindrical parts one of which is an outer, hollow, cylindrical member 1 having on its inner surface a circular shoulder *e* adapted to receive a grating disc R. The shoulder *e* is provided with inwardly projecting stops *g* which co-operate with recesses *g*¹ in the disc R to prevent it from rotating.

Another of said cylindrical parts is an intermediate, hollow, cylindrical member 2 having at its upper end an outwardly projecting circular flange *r* adapted to bear upon the upper edge of member 1. Rotatably mounted within the member 2 is a diametrically disposed partition or cross wall S extending substantially over the width of the disc R and adapted to be disposed perpendicular thereto. The partition or cross wall is provided on its bottom edge with a pivot pin *p* adapted to be inserted in a central aperture *o* located in the disc R.

On the underside of the disc the pivot pin has a lateral hole through which extends a removable pin *j* the function of which is to secure the disc R and wall S against relative axial movement and to scan the lower surface of the disc when the partition or wall S is rotated.

Another of said cylindrical parts is an inner member in the form of a hollow piston 3 terminating at its top in a knurled crown or knob *c*.

A diametrically disposed vertical slot F provided in said piston 3 is axially slidably engageable over said partition or cross wall S.

When assembled for use, the member 2 and grating disc R retained by pin *j* are disposed within the member 1. The grating disc is allowed to rest on the shoulder *e* and is prevented from rotating by the stops *g* co-operating with the recesses *g*¹.

The substance to be grated is introduced

into the member 2 and pressure is applied to the piston 3 to bring said substance into contact with the grating disc R.

5 The piston 3 is then rotated by turning the knob c whereby the substance to be grated is caused to rotate while being maintained in contact with the grating disc.

10 During this rotational movement the pin j due to its length and form scrapes the grated substance off the lower underneath face of the disc R.

15 Instead of having two radially disposed plates or portions as shown the partition or cross wall S may be provided with more than two fins or radially disposed plates or portions the piston being provided with corresponding vertical slots.

WHAT I CLAIM IS:—

20 1. A hand-operated utensil for grating cheese and other products of similar consistency, having a grating disc in a casing consisting of a plurality of coaxial cylindrical parts, the product to be grated and the grating disc being rotatable relatively to
25 each other by twisting at least one casing part relative to another thereof, a diametrically disposed partition or cross wall extending substantially over the width of the grating disc and adapted to be disposed
30 perpendicular thereto and which partition or wall is rotatable about the longitudinal axis of the casing parts, and one of said casing parts being in the form of a piston with a diametrically disposed slot axially

35 slidably engageable over said partition or cross wall, the arrangement being such that when said piston is twisted around the longitudinal axis of the casing parts relative to another part thereof the partition or cross wall is twistable with the piston relative to the peripheral wall of at least one of the
40 other casing parts, and said cross wall is rotatable about a pivot pin secured to a bottom edge thereof and adapted to engage a central aperture in the grating disc, said
45 pin being secured against axial shifting relative to said disc by a removable pin passing through a lateral hole in said pivot pin on the underside of said disc.

50 2. A utensil according to claim 1, in which said partition or cross wall is provided with more than two radially disposed plates, portions or fins over each of which a corresponding slot in said piston is axially
55 slidably engageable.

60 3. A utensil according to claim 1 or 2, in which said removable pin is of such a form and length that it acts in operation to scrape the grated substance off the underneath face of said grating disc.

4. A hand-operated utensil according to any of the preceding claims and substantially as described herein with reference to the accompanying drawing.

P. F. JENNISON,
Chartered Patent Agent.
Agent for Applicant.

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WHAT I CLAIM IS:—

20 1. A hand-operated utensil for grating cheese and other products of similar consistency, having a grating disc in a casing consisting of a plurality of coaxial cylindrical parts, the product to be grated and the
25 grating disc being rotatable relatively to each other by twisting at least one casing part relative to another thereof, a diametrically disposed partition or cross wall extending substantially over the width of the grating disc and adapted to be disposed
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35 slidably engageable over said partition or cross wall, the arrangement being such that when said piston is twisted around the longitudinal axis of the casing parts relative to another part thereof the partition or cross wall is twistable with the piston relative to the peripheral wall of at least one of the other casing parts, and said cross wall is rotatable about a pivot pin secured to a bottom edge thereof and adapted to engage a central aperture in the grating disc, said
40 pin being secured against axial shifting relative to said disc by a removable pin passing through a lateral hole in said pivot pin on the underside of said disc.

2. A utensil according to claim 1, in which said partition or cross wall is provided with more than two radially disposed plates, portions or fins over each of which a corresponding slot in said piston is axially
55 slidably engageable.

3. A utensil according to claim 1 or 2, in which said removable pin is of such a form and length that it acts in operation to scrape the grated substance off the underneath face of said grating disc.

4. A hand-operated utensil according to any of the preceding claims and substantially as described herein with reference to the accompanying drawing.

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