G. E. TORNSJO.

NUTMEG GRATER.

APPLICATION FILED JUNE 18, 1913.

1,082,918. Patented Dec. 30, 1913.

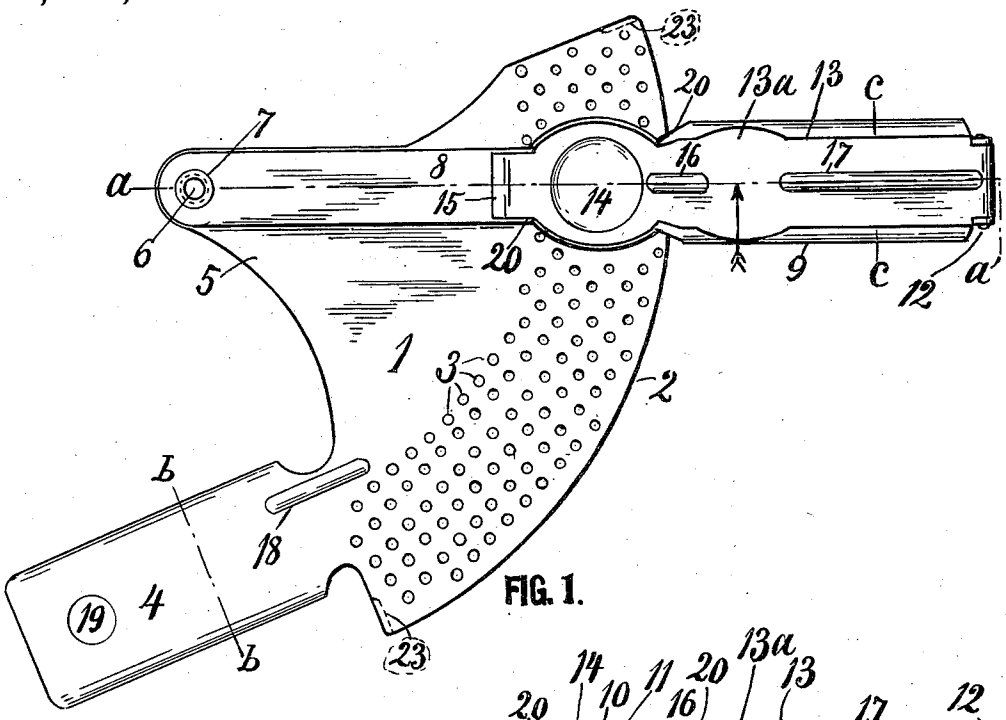


FIG. 1.

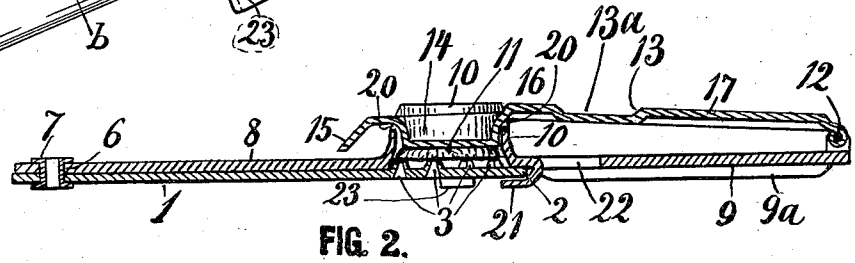


FIG. 2.



FIG. 3.

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GUSTAF E. TORNSJO, OF ST. PAUL, MINNESOTA.

NUTMEG-GRATER.

1,082,918. Specification of Letters Patent. Patented Dec. 30, 1913.

Application filed June 18, 1913. Serial No. 774,491.

To all whom it may concern:

Be it known that I, GUSTAF E. TORNSJO, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented a new and useful Nutmeg-Grater, of which the following is a specification.

My invention relates to nutmeg-graters, and the object is to provide an efficient yet cheap and simple nutmeg-grater which may be held in one hand and operated by the other hand.

In the accompanying drawing, Figure 1 is a top view of my improved nutmeg-grater. Fig. 2 is a section on the line *a*—*a* Fig. 1. Fig. 3 is a cross section on the line *b*—*b* or *c*—*c* of either one of the two handles 4 and 9 in Fig. 1.

Referring to the drawing by reference numerals, 1 designates the grater plate and body of the device; it forms about one-fourth of a disk, which along its segmental edge 2 is provided with hollow grating teeth 3 arranged in straight lines on parallel cords of the disk, so that a nutmeg moved on a segmental line will have all of its points engaged by the teeth.

The segmental plate is provided with an integral handle 4, and an arm 5, the latter having a hole 6 at the center of the segment. At said hole is pivoted by an eyelet 7 one end of an operating lever 8, whose opposite end forms a handle 9, and intermediate the ends of the lever is formed a bottomless nutmeg-receptacle or socket 10, which when the lever swings on its pivot moves over the toothed segment, so as to grate a nutmeg placed in the socket, as indicated by a fragment of a nutmeg 11 in Fig. 2.

Pivoted at 12 to the handle 9 is an arm 13 having at its free end a depression or pocket 14, by which to press upon and feed the nutmeg downward as fast as it is grated. Said arm 13 is formed with an end portion or finger 15, which is to contact with the lever and prevent the pocket 14 from contacting with the grating teeth. Said arm 13 being preferably stamped out of sheet metal is formed with stiffening ribs 16, 17, between which the arm is broadened at 13^a. The handle 9 is stiffened by downwardly and inwardly curved ribs 9^a. The handle 4 has similar ribs and is also stiffened by a rib 18 at its weakest point, and is provided with an aperture 19 for suspending the device from a peg when it is not in use. The socket 10 is preferably provided with notches 20 for the arm 13 to pass partly down into, so as to avoid making the pocket 14 undesirably deep, or the socket undesirably shallow.

In the operation of the device, the arm 13 is raised while the nutmeg is placed in the socket 10, the arm is then lowered upon the nutmeg; the handle 4 is then grasped in the left hand and the handle 9 and the arm 13 in the right hand; the thumb of the right hand is placed upon the broad part 13^a of the arm, where it is kept in place by the adjacent ends of the ribs 16 and 17. Said thumb now exerts the desired pressure upon the arm 13 and thereby on the nutmeg while the right hand swings the lever back and forth over the segment, and the nutmeg is thereby grated coarse or fine according to the pressure applied upon it. And by holding the device over a plate or other receptacle the grated nutmeg is collected as it passes through the hollow teeth of the grating plate.

The lever 8—9 is provided with a hook 21 (see Fig. 2) struck downward from the space 22 out of the handle portion of the lever. Said hook slidingly engages underneath the segmental edge of the grater plate, so as to prevent accidental upward bending or movement of the lever. 23 are lugs on the grating plate for the hook 21 to stop against.

What is claimed as new, and desired to be secured by Letters Patent, is:

1. A nutmeg-grater having a body plate formed with a segmental edge and an arm with a hole forming the center of the segment; said plate having hollow grating teeth along the segmental edge and a handle near one end of the grating surface; a hand-operated lever pivoted with one end at said hole in the plate, the other end of the lever extending beyond the segmental edge and constituting a handle; said lever having over the grating teeth of the plate a bottomless socket adapted to hold a nutmeg, a flat arm pivoted to the outer end of the handle and provided with a presser plate arranged to move up and down in the socket and to press upon the nutmeg therein, and means for limiting the motion of the operating lever.

2. A nutmeg-grater having a flat body plate with a segmental edge, and hollow grating teeth near said edge; a lever pivoted

with one end at the center of the segment and having its free end formed into a handle and its middle portion provided with a bottomless socket in which to hold the nutmeg to be grated, an arm pivoted to the outer end of the handle and provided with a depending pocket arranged to pass downward into the socket and press upon the nutmeg therein.

3. A nutmeg-grater having a body plate with a segmental grating surface at one side of it, a manually operated lever pivoted with one end to the plate at the center of the segment and having its free end formed into a handle, said lever having near its middle a bottomless socket adapted to hold a nutmeg while it is being grated, said socket having two diametrically opposite notches, an arm pivoted to the outer end of the handle and adapted to fold into said notches, said arm having a pressing member arranged to press upon the nutmeg in the socket, and means arranged to contact with the lever beyond the socket so as to prevent the pressing member from contacting with the grating teeth.

4. A nutmeg-grater comprising a body plate having at one side a segmental grating surface and at one end a handle, a lever pivoted with one end at the center of the segment and having a hook guiding below the edge of the segment, said lever having a nutmeg socket over the grating surface and a handle at its free end, and pivoted to the handle an arm arranged to press upon the nutmeg in the socket.

In testimony whereof I affix my signature, in presence of two witnesses.

GUSTAF E. TORNSJO.

Witnesses:
CARL NYBERG,
HERMAN LUNDBERG.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."