

No. 861,359.

PATENTED JULY 30, 1907.

J. S. DUNLAP.
NUTMEG GRATER.
APPLICATION FILED APR. 30, 1906.

Fig. 1.

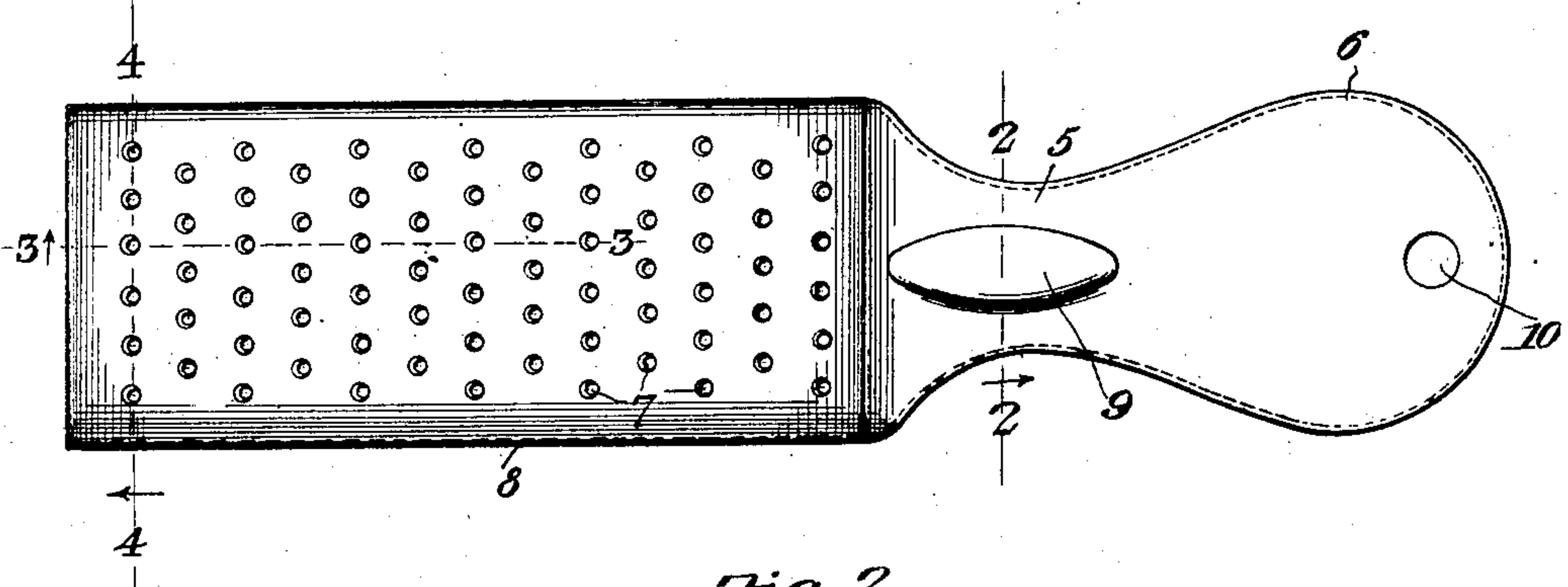


Fig. 2.

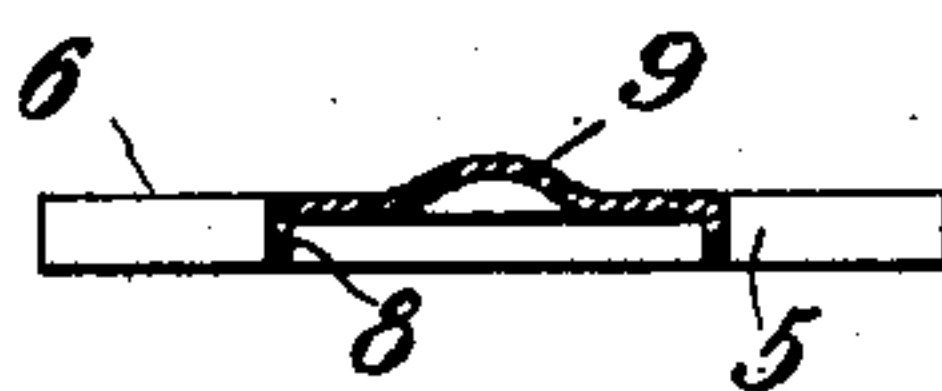


Fig. 3.

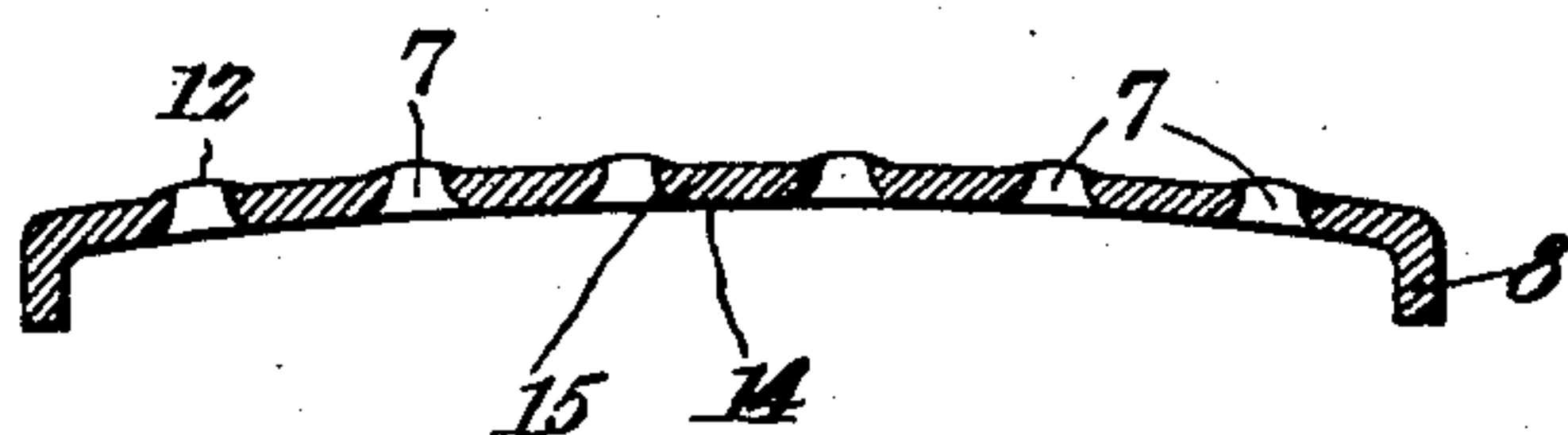
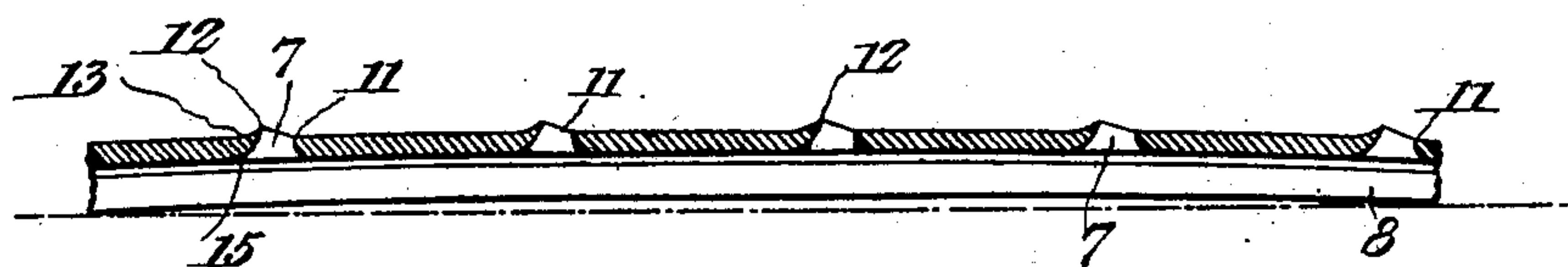


Fig. 4.



Fig. 5.

WITNESSES:

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JOHN S. DUNLAP, OF CHICAGO, ILLINOIS.

NUTMEG-GRATER.

No. 861,359.

Specification of Letters Patent.

Patented July 30, 1907.

Application filed April 30, 1906. Serial No. 314,542.

To all whom it may concern:

Be it known that I, JOHN S. DUNLAP, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Nutmeg-Grater, of which the following is a specification.

This invention relates to nut-meg graters and has for its object to provide a comparatively simple, inexpensive and efficient device of this character for grating, shredding or otherwise disintegrating different kinds of material.

A further object of the invention is to provide a grater comprising a body-portion having a plurality of transverse apertures formed therein and defining cutting edges disposed in staggered relation on one side of the body portion, the apertures at the opposite side of said body-portion being enlarged and the walls thereof inclined downwardly to provide a clearance for the grated or shredded material.

A further object of the invention is to provide a body-portion one end of which is reduced to form a terminal handle and the opposite end thereof curved or bowed transversely and provided with spaced perforations the walls of which are struck up to form cutting edges inclined towards one end of the body-portion.

A further object of the invention is to generally improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a top plan view of a nut-meg grater constructed in accordance with my invention. Fig. 2 is a transverse sectional view taken on the line 2—2 of Fig. 1. Fig. 3 is a longitudinal sectional view taken on the line 3—3 of Fig. 1. Fig. 4 is a transverse sectional view taken on the line 4—4 of Fig. 1. Fig. 5 is a longitudinal sectional view illustrating a modified form of the invention.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved device consists of an elongated body-portion preferably formed of metal and having one end thereof reduced at 5 to form an operating handle 6

while the opposite end thereof is curved or bowed longitudinally and transversely and provided with a plurality of spaced perforations 7 preferably disposed in staggered relation to each other as shown. The body portion is provided with a depending marginal flange 8 while the handle 6 is provided with a longitudinal strengthening rib 9 and a terminal aperture 10 by means of which the grater may be conveniently hung on a nail or other suitable support when not in use. The walls of the perforations 7 are struck up at an angle to the vertical axis of the body portion with a die or other suitable tool to form cutting edges 11 preferably inclined towards the operating handle 6, as best shown in Fig. 3 of the drawings.

One wall of the cutting edge 11 is disposed in the same longitudinal plane with the body portion, the opposite wall thereof being slightly elevated as indicated at 12 so as to form a shaving or draw edge and thus effectually cut or sever the material as the latter is reciprocated longitudinally of the convex face of said body portion.

The walls of the apertures 7 are inclined downwardly from the cutting edges 11 towards the bottom or concave side of the body portion as indicated at 13 while the lower ends of the walls at their juncture with the concave face 14 are curved laterally at 15 to form a clearance for the grated or shredded material thereby to prevent the latter from choking or otherwise obstructing said apertures.

In Fig. 5 of the drawings there is illustrated a modified form of the invention in which the cutting edge 11' is disposed in a horizontal plane and arranged parallel with the upper or convex surface of the plate. The apertures may be made in different sizes and shapes and either stamped, punched or cut from the body of the plate.

When the grater is used for shredding fruit and vegetables the apertures will be somewhat enlarged so as to form an extended cutting surface for engagement with the fruit.

While the device is principally designed as a hand-grater it is obvious that the same may be operated by a crank, lever or other mechanical power.

From the foregoing description it will be seen that there is provided an extremely simple and inexpensive device admirably adapted for the attainment of the ends in view.

Having thus described the invention what is claimed is:

1. A grater comprising a plate having one end thereof

reduced to form a handle and its opposite end curved longitudinally and transversely and provided with spaced apertures defining inclined cutting edges one wall of each of which is extended above the general longitudinal plane

5 of the plate on the convex side thereof.

2. A grater comprising a longitudinally and transversely curved body-portion having spaced apertures formed therein and defining cutting edges one wall of each of which is extended above the general longitudinal plane of said

10 body-portion on one side thereof, the apertures on the

opposite side of the body-portion being enlarged to provide a clearance.

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

JOHN S. DUNLAP.

Witnesses:

JOHN B. VAN KEUREN,

BUEL V. WILSON.