Aug. 23, 1938. H. TARRANT 2,127,988

COOKING UTENSIL

Filed April 22, 1937

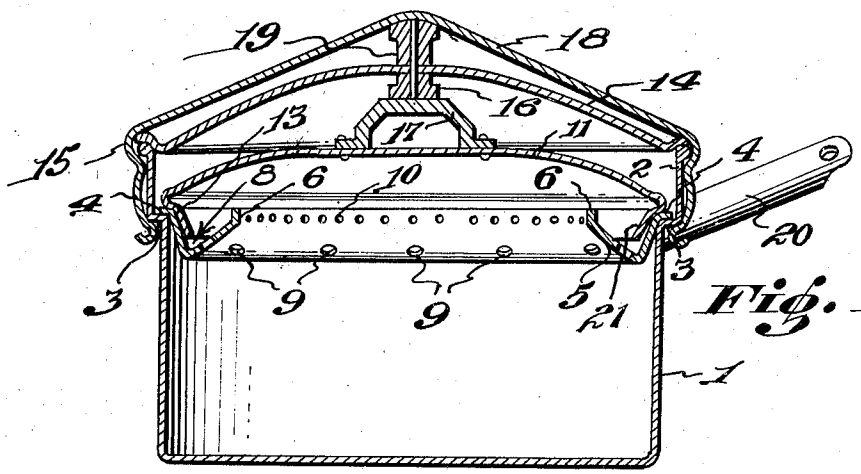
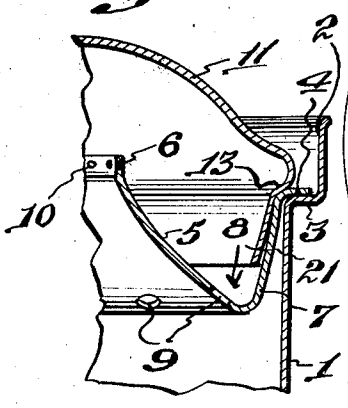


Fig. 1.

Fig. 3.



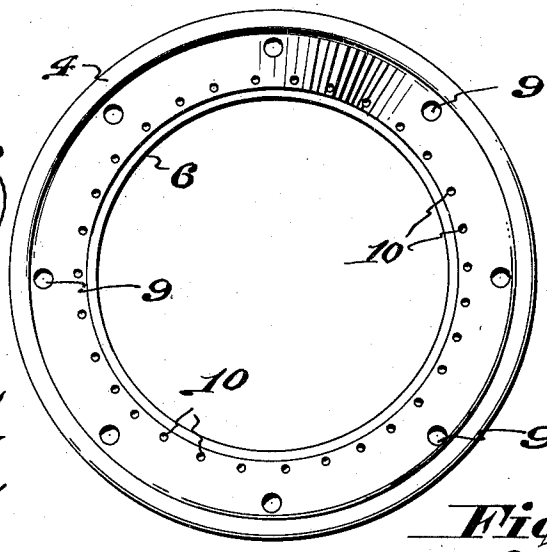


Fig. 2.

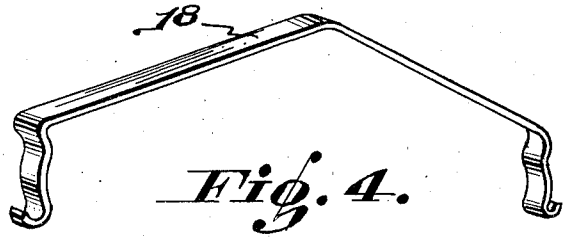


Fig. 4.

INVENTOR.

H. Tarrant

BY: Glascock Downing & Seebold

ATTORNEYS.

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COOKING UTENSIL

Harold Tarrant, Sydney, New South Wales, Australia

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In Australia July 7, 1936

2 Claims. (Cl. 53—1)

My invention relates to cooking utensils of the saucepan type and provides improvements therein whereby the content will not boil over during cooking operations, or overflow when the utensil is tilted to considerable angle. The latter quality renders the invention particularly useful upon marine and air craft.

According hereto the top of a cylindrical saucepan is provided with an integral extension of larger diameter, and has removably supported within it an upwardly projecting baffle resembling in cross section a thin walled truncated cone and having at its upper end a concentric circular opening around which is a ring of perforations, and at its lower end an annular channel having a number of perforations through which liquid flows from the channel back to the saucepan.

A lid which will usually be used for the saucepan has a flange which fits upon the top of the extension while when the utensil is employed under exceptionally severe conditions an emergency lid is used which has a flange fitting into said annular channel. The first mentioned lid is clamped in position by a spring band passing diametrically across it, and bearing upon a handle knob thereof, the ends of the band engaging beneath said extension.

A knob projecting from the underside of the upper lid bears upon a handle of the emergency lid and maintains the latter in position.

An embodiment of my invention is illustrated in the drawing wherein:—

Fig. 1 is a central sectional elevation showing all the above parts assembled.

Fig. 2 a plan of the baffle.

Fig. 3 a fragmentary sectional elevation of part of Fig. 1 drawn to a larger scale.

Fig. 4 a perspective view of the clamping band.

Similar numerals of reference indicate corresponding parts throughout the figures.

Referring first more particularly to Figs. 1 and 3:

The saucepan 1 has upon its upper end a vertical cylindrical extension 2 of larger diameter, the bottom of which provides a horizontal flange ring 3, upon which is seated the horizontal flange 4, (shown in the plan Fig. 2) of a baffle comprised of a hollow truncated conical body portion 5 having at its upper end a vertical ring 6, and at its lower end a surrounding vertical wall 7 which closely fits within the top of the saucepan and with the lower end of the conical portion produces an annular channel 8.

A number of spaced perforations 9 are provided in the bottom of channel 8 and a ring of smaller perforations 10 is provided near the upper end of the baffle. An emergency lid 11 has a vertically inclined annular flange 21 which fits within the wall 7 of the baffle and a horizontal flange 13 which rests upon flange 4 thereof.

A lid 14 which will generally be used has a flange 15 which rests upon the top of extension 2 and upon its under side has a knob 16 which when the emergency lid 11 is employed bears upon a handle 17 of lid 11. A clamping band 18 of spring metal, see particularly Fig. 4, passes diametrically across lid 14 and bears at its middle upon a handle knob 19 of lid 14. The ends of the band are shaped to be sprung over the extension 2 its ends passing beneath the flange ring 3.

A handle 20 is fixed to the body of the saucepan. The surface of the material to be boiled should, when placed in the saucepan, be below the bottom of channel 8.

When boiling milk, porridge, or other matter having rapid expansion at boiling temperature, both covers are removed, and it will be found that no matter how rapidly the boiling point may be reached the fluid will not boil over the edge of the saucepan but will rise through the openings of the baffle into the relatively large space above and surrounding it and either falls back through said opening or passing into channel 8 is returned, to the saucepan through the perforations 9.

When cooking meat and certain other comestibles which are usually cooked with the lid of the saucepan on, the emergency lid 11 is dispensed with and lid 14 is employed.

Rapid boiling may then take place without danger of the fluid escaping over the top of extension 2.

Lid 11 is shaped to provide an incline 21 which deflects fluid into annular channel 8.

In extreme cases where pitching or rolling of a boat or air craft upon which the saucepan is employed, might cause danger through the saucepan falling from the heating stove, both lids 11 and 14 are applied and clamped in position by clamping band 18 (see Fig. 4). The knob 16 will then by pressure upon the handle 17 of lid 11 maintain the latter in position.

I claim:—

1. A saucepan, having upon its upper end an extension of larger diameter, a hollow truncated conical baffle within the extension, having an open top with a surrounding ring of perforations, a perforated channel upon the lower end of the

baffle, a vertical wall thereof fitting the upper end of the saucepan, a horizontal flange upon the top of said vertical wall resting upon the bottom of the extension, an emergency lid, a flange thereof fitting within said vertical wall of the baffle, and a horizontal flange resting upon the horizontal flange of the baffle, a lid, with means for clamping it upon the top of the extension, and a knob upon the underside of the lid bearing upon a handle of the emergency lid.

2. A saucepan, having upon its upper end an extension of larger diameter, a hollow truncated conical baffle within the extension, having an open top with a surrounding ring of perforations, a perforated channel upon the lower end of the baffle, a vertical wall thereof fitting the upper end of the saucepan, a horizontal flange upon the top of said vertical wall resting upon the bottom of the extension, an emergency lid, a flange thereof fitting within said vertical wall of the baffle, and having a horizontal flange resting upon the conical baffle within the extension, having an open ried by said emergency lid fitting within the vertical wall of the baffle being inclined inwardly so as to deflect fluid within the channel at the lower end of the baffle, and means for holding the flange of the lid within said baffle.

HAROLD TARRANT.