Oct. 11, 1966

MASARU YAMAZAKI

3,278,074

DETACHABLE CONTAINER HANDLE

Filed Nov. 5, 1964

FIG. 1

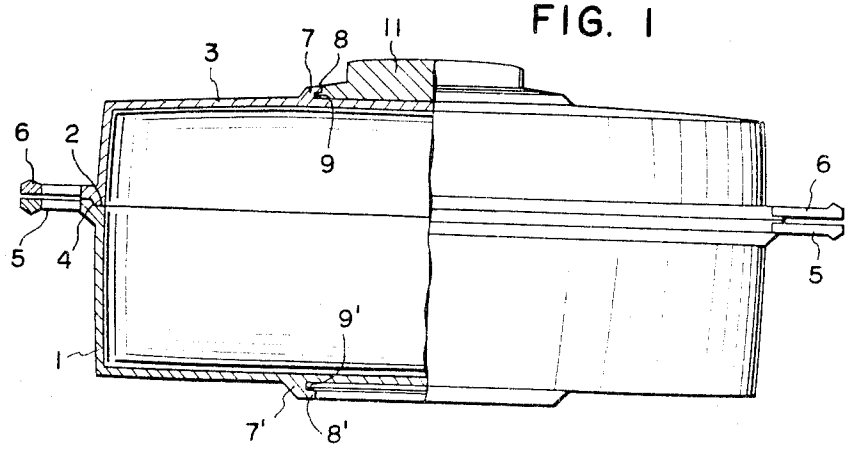


FIG. 5

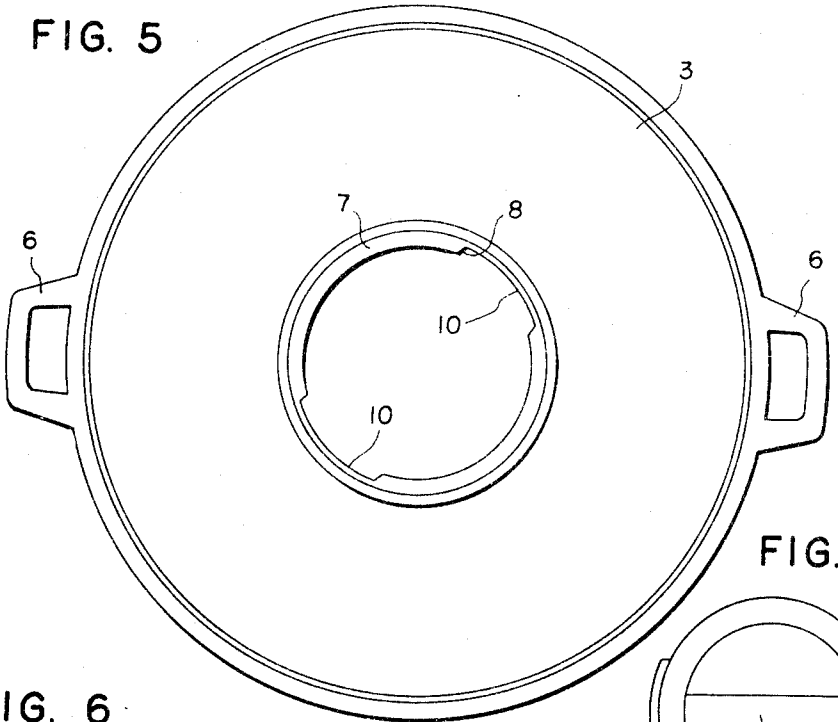


FIG. 2

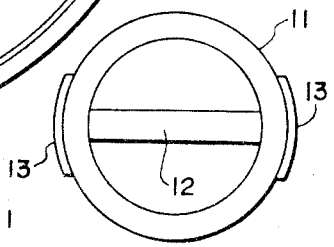


FIG. 6

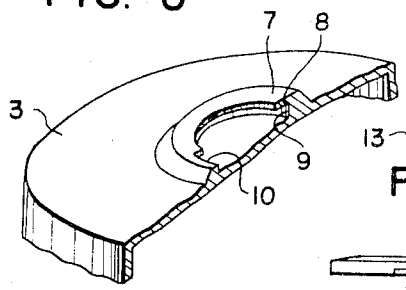


FIG. 3

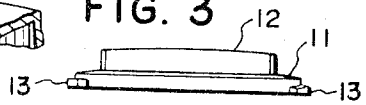
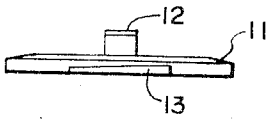


FIG. 4



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DETACHABLE CONTAINER HANDLE

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The present invention relates to an improvement of kettle.

The primary objective of this invention is to offer a new kettle which can be used as a common kettle and whose lid is so designed as to be usable as a shallow pan for cooking.

Another objective of this invention is to offer a kettle with a detachable grip on the top center of its lid, said grip being able to be refitted to the bottom center of the body, so that the grip may come at the top center even when the lid is used for cooking and the kettle is employed as a shallow vessel.

Still another objective of this invention is to offer a kettle with a grip that can be readily fitted to or unfitted from the lid or the body, said grip being immovably fixed to the lid or the body.

In the attached drawing, FIG. 1 shows a front view of the left half section of this kettle;

FIG. 2 is a plan view of its grip;

FIG. 3 is an elevation view of said grip;

FIG. 4 is a side view of said grip;

FIG. 5 is a plan view of the kettle with the grip dismantled;

FIG. 6 is a perspective view of the lid as partially cut with its grip unfitted.

In the drawing, **1** is the body of the kettle; the groove **2** is cut along the inside edge of said body **1**; the projection **4** on the edge of the lid **3** fits into said groove **2**; so that the lid **3** may closely engage with the body **1**. The lid **3** is less deep than the body **1**; and both the body **1** and the lid **3** are respectively equipped with handles **5**, **5** and **6**, **6**.

At the top center of the lid **3** there is an annular projection **7**, whose inner edge extends into an overhanging flange **8**; and below this flange is formed a groove **9**. Said flange **8** has two notches **10** diametrically opposite to each other, which help, as described later, to fit or unfit the grip.

The grip **11** represents a circular base upon which rises a diametrical projection **12** that can be gripped by hand. Around the grip **11** there are two diametrically opposite flanges **13**, which, as seen from FIG. 4, have top surfaces gently sloping in one direction. The width of said flanges **13** slightly less than that of the notches **10** provided on the flange **8** of the projection **7** of the lid **3**; and these flanges **13** can vertically pass through said notches **11**.

In order to fit the grip **11** to the lid **3**, the flanges **13** of the grip **11** are made to pass through the notches **10** vertically and come into the ring of the projection **7**. Then, while the lid **3** is being held immovable, the grip **11** is turned clockwise; as the result, the flange **13** comes to fit

into the groove **9**. Since the top surface of the flange **13** is gently slanted, with a clockwise turning of the grip the flange **13** acts as a wedge relative to the groove **9** and in consequence the grip **11** gets fastened to the lid **3**.

In order to unfit the grip **11** from the lid **3**, the grip **11** is turned counterclockwise in relation to the lid **3**, the flange **13** is made to pass vertically through the notches **10**, and the grip can be pulled out upward.

Also at the bottom center of the body **1** there is provided an annular projection **7'** similar to the one on the lid **3**; and the overhanging flange **8'** extends from the inner edge of this projection, thereby forming a groove **9'**. Meanwhile, there are, though not shown in the drawing, provided two diametrically opposite notches on the flange **8'**, too, as on the flange **8** of the lid **3**; and these notches permit vertical passage of the flange **13** on the grip **11**.

When utilizing this kettle as a shallow pan, the grip **11** is taken off the lid **3**; the body **1** and the lid **3** as combined are wholly turned upside down; and the grip **11** is fitted immovable to the projection **7'** of the body **1**.

As described above, the kettle of this invention, which has its grip freely fitted to or unfitted from the lid or the body, can serve both as a deep vessel and as a shallow pan.

What is claimed is:

1. A kettle comprising a body having a bottom and upwardly extending sides, a registering lid having a generally flat top and depending sides which define a disk-shaped volume adapted to receive foodstuffs when said lid is inverted, and a separable handle, said handle and lid being provided with interfitting means for releasably retaining said handle on said lid, and said bottom being provided with retaining means which likewise interfit with the retaining means on said handle.

2. A kettle as claimed in claim **1** in which the sides of both said body and said lid are provided with a pair of diametrically opposed radially projecting handles by means of one pair of which both said lid and body portion may be picked up together when assembled as a unit, regardless of which is uppermost.

3. A kettle as claimed in claim **1** in which the sides of said body portion are deeper than those of said lid.

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