A pot includes a pot body having a rim formed with a protruding pot ear, and a removable handle mounted on the pot body and including a grip mounted on the pot body and rested on the pot ear of the pot body, and a locking member pivotally mounted on the grip and detachably engaged with the pot ear of the pot body. Thus, the removable handle is combined with the pot ear of the pot body rigidly and stably. In addition, the removable handle encompasses the whole periphery of the pot ear, so that the removable handle is combined with the pot ear closely.
REMOVABLE HANDLE FOR POT

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

The present invention relates to a removable handle, and more particularly to a removable handle for a pot, pan, kettle or the like.

[0002] 2. Description of the Related Art

A conventional pot in accordance with the prior art shown in FIG. 5 comprises a pot body 2 having a pot ear 20 formed with a hole 200, and a removable handle 1 mounted on the pot body 2. The removable handle 1 includes a handle body 11 mounted on the pot body 2, a tang 12 mounted on the handle body 11 and having a distal end inserted into the hole 200 of the pot ear 20, an urging member 15 movably mounted on the handle body 11 and having an urging face 151 urged on a side face 21 of the pot ear 20, a slide 10 movably mounted on the handle body 11 and combined with the urging member 15 for moving the urging member 15, and a spring 13 mounted in the handle body 11 and urged on the slide 10.

In assembly, the slide 10 is moved backward to move the urging member 15 backward. Then, the distal end of the tang 12 of the removable handle 1 is inserted into the hole 200 of the pot ear 20. Then, after the force applied on the slide 10 is removed, the slide 10 is moved forward by the restoring force of the spring 13 to move the urging member 15 forward, so that the urging face 151 of the urging member 15 is urged on the side face 21 of the pot ear 20, thereby combining the removable handle 1 with the pot ear 20 of the pot body 2.

However, the removable handle 1 has a complicated structure, thereby increasing costs of fabrication. In addition, the removable handle cannot be assembled easily and conveniently. Further, the removable handle 1 is not combined with the pot ear 20 of the pot body 2 rigidly and stably due to a smaller contact surface.

SUMMARY OF THE INVENTION

The primary objective of the present invention is to provide a removable handle for a pot, pan, kettle or the like.

Another objective of the present invention is to provide a removable handle wherein the removable handle is combined with the pot ear of the pot body rigidly and stably.

A further objective of the present invention is to provide a removable handle wherein the removable handle encompasses the whole periphery of the pot ear completely, so that the removable handle is combined with the pot ear closely.

A further objective of the present invention is to provide a removable handle wherein the removable handle is combined by the grip and the locking member, so that the removable handle has a simplified structure, thereby decreasing costs of fabrication.

A further objective of the present invention is to provide a removable handle wherein the removable handle is assembled easily and conveniently.

In accordance with the present invention, there is provided a pot, comprising:

[0013] a pot body having a rim formed with a protruding pot ear; and

[0014] a removable handle mounted on the pot body and including:

[0015] a grip mounted on the pot body and rested on the pot ear of the pot body; and

[0016] a locking member pivotally mounted on the grip and detachably engaged with the pot ear of the pot body.

Further benefits and advantages of the present invention will become apparent after a careful reading of the detailed description with appropriate reference to the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a partially perspective view of a pot in accordance with the preferred embodiment of the present invention;

FIG. 2 is an exploded perspective assembly view of the pot as shown in FIG. 1;

FIG. 3 is a side plan cross-sectional view of the pot as shown in FIG. 1;

FIG. 4 is a schematic operational view of the pot as shown in FIG. 3; and

FIG. 5 is a partially side plan cross-sectional view of a conventional pot in accordance with the prior art.

DETAILED DESCRIPTION OF THE INVENTION

Referring to the drawings and initially to FIGS. 1-3, a pot in accordance with the preferred embodiment of the present invention comprises a pot body 8, and a removable handle 3 mounted on the pot body 8.

The pot body 8 has a rim 80 formed with a protruding pot ear 4 formed with a locking hole 40.

The removable handle 3 includes a grip 30 mounted on the pot body 8 and rested on the pot ear 4 of the pot body 8, and a locking member 31 pivotally mounted on the grip 30 and detachably engaged with the pot ear 4 of the pot body 8.

The grip 30 of the removable handle 3 has an end formed with a receiving chamber 301. The receiving chamber 301 of the grip 30 has two sides each formed with a mounting hole 302. The receiving chamber 301 of the grip 30 has a first end formed with a protruding support portion 304 and a second end formed with a receiving space 303. The receiving space 303 of the grip 30 has a side formed with a mounting stud 305. The support portion 304 of the grip 30 has a side 307 rested on the rim 80 of the pot body 8 and the pot ear 4 of the pot body 8 and a distal end 306 rested on the pot body 8.

The locking member 31 of the removable handle 3 is pivotally mounted in the receiving chamber 301 of the grip 30 in a flush manner and has a first end formed with a protruding locking flange 311 detachably mounted in the locking hole 40 of the pot ear 4 and a second end formed with a press portion 313 movably mounted in the receiving space 303 of the grip 30. Preferably, the locking member 31 and the grip 30 form a space 7 therebetween as shown in FIG. 3 for insertion of the pot ear 4 of the pot body 8. In
addition, the locking flange 311 of the locking member 31 has a size substantially equal to the locking hole 40 of the pot ear 4.

The press portion 313 of the locking member 31 has a side formed with a mounting stud 315. The removable handle 3 further includes an elastic member 5 urged between the grip 30 and the press portion 313 of the locking member 31. Preferably, the elastic member 5 is mounted in the receiving space 303 of the grip 30 and has a first end secured on the mounting stud 305 of the grip 30 and a second end secured on the mounting stud 315 of the press portion 313 of the locking member 31.

The locking member 31 of the removable handle 3 has a mediate portion formed with two spaced pivot ears 312 each formed with a pivot hole 314. The removable handle 3 further includes a pivot pin 6 extended through the pivot hole 314 of each of the two spaced pivot ears 312 and having two ends each mounted in the respective mounting hole 302 of the grip 30.

In assembly, referring to FIGS. 1-4, the press portion 313 of the locking member 31 is pressed toward the grip 30 as shown in FIG. 4 so that the elastic member 5 is compressed and the locking member 31 is pivoted about the pivot pin 6 to lift the locking flange 311, thereby exposing the space 7 between the locking member 31 and the grip 30. Then, the pot ear 4 is inserted into the space 7 between the locking member 31 and the grip 30. After the force applied on the press portion 313 of the locking member 31 is removed, the press portion 313 of the locking member 31 is pushed outward relative to the grip 30 by the restoring force of the elastic member 5, so that the locking member 31 is pivoted about the pivot pin 6 to move the locking flange 311 toward the pot ear 4, thereby locking the locking flange 311 of the locking member 31 in the locking hole 40 of the pot ear 4 as shown in FIG. 3, such that the removable handle 3 is combined with the pot ear 4.

At this time, the locking flange 311 of the locking member 31 is locked in the locking hole 40 of the pot ear 4 and the support portion 304 of the grip 30 has a side 307 rested on the rim 80 of the pot body 8 and the pot ear 4 of the pot body 8 and a distal end 306 rested on the pot body 8 as shown in FIG. 3, such that the removable handle 3 is combined with the pot ear 4 rigidly and stably.

Accordingly, the removable handle 3 is combined by the grip 30 and the locking member 31, so that the removable handle 3 has a simplified structure, thereby decreasing costs of fabrication. In addition, the removable handle 3 is assembled easily and conveniently. Further, the removable handle 3 encompasses the whole periphery of the pot ear 4 completely, so that the removable handle 3 is combined with the pot ear 4 closely. Further, the locking flange 311 of the locking member 31 is locked in the locking hole 40 of the pot ear 4 and the support portion 304 of the grip 30 has a side 307 rested on the rim 80 of the pot body 8 and the pot ear 4 of the pot body 8 and a distal end 306 rested on the pot body 8, such that the removable handle 3 is combined with the pot ear 4 rigidly and stably.

Although the invention has been explained in relation to its preferred embodiment(s) as mentioned above, it is to be understood that many other possible modifications and variations can be made without departing from the scope of the present invention. It is, therefore, contemplated that the appended claim or claims will cover such modifications and variations that fall within the true scope of the invention.

What is claimed is:

1. A pot, comprising:
   a pot body having a rim formed with a protruding pot ear;
   and
   a removable handle mounted on the pot body and including:
   a grip mounted on the pot body and rested on the pot ear of the pot body;
   and
   a locking member pivotally mounted on the grip and detachably engaged with the pot ear of the pot body.

2. The pot in accordance with claim 1, wherein the grip of the removable handle has an end formed with a receiving chamber having a first end formed with a protruding support portion rested on the pot ear of the pot body and a second end formed with a receiving space.

3. The pot in accordance with claim 2, wherein the pot ear of the pot body is formed with a locking hole, and the locking member of the removable handle is pivotally mounted in the receiving chamber of the grip and has a first end formed with a protruding locking flange detachably mounted in the locking hole of the pot ear and a second end formed with a press portion movably mounted in the receiving space of the grip.

4. The pot in accordance with claim 3, wherein the removable handle further includes an elastic member urged between the grip and the press portion of the locking member.

5. The pot in accordance with claim 4, wherein the receiving space of the grip has a side formed with a mounting stud, the press portion of the locking member has a side formed with a mounting stud, and the elastic member has a first end secured on the mounting stud of the grip and a second end secured on the mounting stud of the press portion of the locking member.

6. The pot in accordance with claim 4, wherein the elastic member is mounted in the receiving space of the grip.

7. The pot in accordance with claim 3, wherein the locking flange of the locking member has a size substantially equal to the locking hole of the pot ear.

8. The pot in accordance with claim 2, wherein the receiving chamber of the grip has two sides each formed with a mounting hole, the locking member of the removable handle has a mediate portion formed with two spaced pivot ears each formed with a pivot hole, and the removable handle further includes a pivot pin extended through the pivot hole of each of the two spaced pivot ears and having two ends each mounted in the respective mounting hole of the grip.

9. The pot in accordance with claim 2, wherein the support portion of the grip has a side rested on the rim of the pot body and the pot ear of the pot body and a distal end rested on the pot body.

10. The pot in accordance with claim 1, wherein the removable handle encompasses the whole periphery of the pot ear of the pot body completely.

11. The pot in accordance with claim 1, wherein the locking member and the grip form a space therebetweent for insertion of the pot ear of the pot body.

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