CLAIMS

1. A fryer, comprising:

an oil pot base including an oil pot having an inner surface that is at least partially a metal plate; and

a basket placeable in and removable out of the oil pot, the basket including a metal mesh,

the oil pot base including

a pot fastener configured to allow the basket to be placed in the oil pot without the basket conducting electricity to the inner surface, and

a conductor including a conducting electrode located at the oil pot base the conducting electrode being insulated from the inner surface that conducts an alternating current to the metal mesh when the basket is placed in the oil pot, and

the basket including

a basket fastener configured to allow, in combination with the pot fastener, the basket to be placed in the oil pot without the basket conducting electricity to the inner surface, and

an electricity receiver configured to receive electricity from the conducting electrode and conduct electricity to the metal mesh when the basket is placed in the oil pot,

the pot fastener serves as the conductor, and the basket fastener serves as an electricity receiver,

the electricity receiver is a hook for securing the basket and the conductor is a bar-shaped hook engaging part for hooking the hook and securing the basket, and electricity is

conducted only when the hook and the hook engaging portion are engaged with each other.

2. A fryer, comprising:

an oil pot base including an oil pot having an inner surface that is at least partially a metal plate; and

a basket placeable in and removable out of the oil pot, the basket including a metal mesh,

the oil pot base including

a pot fastener configured to allow the basket to be placed in the oil pot without the basket conducting electricity to the inner surface, and

a conducting electrode disposed on the inner surface of the pot fastener side of the oil pot, the conducting electrode conducts an alternating current to the metal mesh when the basket is placed in the oil pot,

the basket including

a basket fastener configured to allow, in combination with the pot fastener, the basket to be placed in the oil pot without the basket conducting electricity to the inner surface, and

an electricity receiver configured to receive electricity from the conducting electrode and conduct electricity to the metal mesh when the basket is placed in the oil pot,

the basket fastener serves as a hook for securing the cage, and the pot fastener serves as a hook engaging portion for hooking the hook and securing the cage, and electricity is conducted only when the hook and the hook engaging portion are engaged each other and the electricity

receiver engaging the conducting electrode.

3. A fryer, comprising:

an oil pot base including an oil pot having an inner surface that is at least partially a metal plate; and

a basket placeable in and removable out of the oil pot, the basket including a metal mesh,

the oil pot base including

a pot fastener configured to allow the basket to be placed in the oil pot without the basket conducting electricity to the inner surface, and

a conductor including a conducting electrode located at the oil pot base the conducting electrode being insulated from the inner surface that conducts an alternating current to the metal mesh when the basket is placed in the oil pot, and

the basket including

a basket fastener configured to allow, in combination with the pot fastener, the basket to be placed in the oil pot without the basket conducting electricity to the inner surface, and

an electricity receiver configured to receive electricity from the conducting electrode and conduct electricity to the metal mesh when the basket is placed in the oil pot,

the pot fastener serves as the conductor which is a slideable switch, and the basket fastener serves as an electricity receiver,

the electricity receiver is a hook for securing the basket and the conductor is a hook

engaging portion, and electricity is conducted only when the hook engages the hook engaging portion and the hook is switched on by sliding.

4. A fryer, comprising:

an oil pot base including an oil pot having an inner surface that is at least partially a metal plate; and

a basket placeable in and removable out of the oil pot, the basket including a metal mesh,

the oil pot base including

a pot fastener configured to allow the basket to be placed in the oil pot without the basket conducting electricity to the inner surface,

a conductor including a conducting electrode located at the oil pot base the conducting electrode being insulated from the inner surface that conducts an alternating current to the metal mesh when the basket is placed in the oil pot, and

a support disposed on the inner surface of the pot fastener side of the oil pot, and

the basket including

a basket fastener configured to allow, in combination with the pot fastener, the basket to be placed in the oil pot without the basket conducting electricity to the inner surface, and

an electricity receiver configured to receive electricity from the conducting electrode and conduct electricity to the metal mesh when the basket is placed in the oil pot,

the basket is removably supported in the oil pot by the basket fasteners and support,

the pot fastener serves as the conductor, and the basket fastener serves as an electricity receiver,

the electricity receiver is a hook for securing the basket and the conductor is a hook engaging part for hooking the hook and securing the basket, and electricity is conducted only when the hook and the hook engaging portion are engaged each other.

5. A fryer, comprising:

an oil pot base including an oil pot having an inner surface that is at least partially a metal plate; and

a basket placeable in and removable out of the oil pot, the basket including a metal mesh,

the oil pot base including

a pot fastener configured to allow the basket to be placed in the oil pot without the basket conducting electricity to the inner surface, and

a conductor including a conducting electrode located at the oil pot base the conducting electrode being insulated from the inner surface that conducts an alternating current to the metal mesh when the basket is placed in the oil pot, and

the basket including

a basket fastener configured to allow, in combination with the pot fastener, the basket to be placed in the oil pot without the basket conducting electricity to the inner surface, and

an electricity receiver configured to receive electricity from the conducting electrode

and conduct electricity to the metal mesh when the basket is placed in the oil pot,

the pot fastener serves as the conductor, and the basket fastener serves as an electricity receiver,

the electricity receiver is a hook for securing the basket and the conductor is a hook engaging part for hooking the hook and securing the basket, and electricity is conducted only when the hook and the hook engaging portion are engaged each other, and

the basket is symmetrically dividable about a line into a first part and a second part.

6. The fryer according to any one of claims 1 to 5, wherein

the hook engaging portion comprises a bar-shaped member or a hanger.

7. The fryer according to any one of claims 1 to 6, further comprising:

a controller configured to control the conductor to conduct electricity only when the pot fastener and the basket fastener are engaged with each other.

8. The fryer according to any one of claims 1 to 7, wherein the conducting electrode is located in an upper portion of the oil pot base on a surface of the oil pot opposing a handling side of the oil pot.

9. The fryer according to any one of claims 1 to 8, wherein

the basket includes a handle insulated from the metal mesh in the basket.

10. The fryer according to any one of claims 1 to 9, wherein

the basket includes an insulating material in an area above a portion to be immersed in cooking oil in the oil pot.

11. The fryer according to any one of claims 1 to 10, wherein

the conductor conducts an alternating current to a first part of the basket.

12. The fryer according to claim 11, wherein

a second part of the basket is grounded.

13. The fryer according to claim 12, wherein

the basket is rectangular parallelepiped, and is symmetrically dividable about a line into the first part and the second part.