CLAIMS

[Claim 1]

A refrigerator comprising:

a body having a front opening;

a hinge provided on a side face of the body; and

a pivoting door pivoted on the hinge and configured to cover the front opening in such a manner that the pivoting door freely opens or closes,

the pivoting door including

an outer face member that is a reinforced glass or a resin having a flat plate shape and constituting a front face of the pivoting door,

an inner face member constituting a back face of the pivoting door,

a heat insulator filling a gap between the outer face member and the inner face member,

a frame-shaped cap made of a resin and attached to four sides of each of the outer face member and the inner face member,

a reinforcing member made of a metal and reinforcing a side face of the frame-shaped cap,

a hinge bearing member pivoted on the hinge, and

a sheet metal attached to an upper portion of a lower side of the frame-shaped cap, and fixing the hinge bearing member to the frame-shaped cap,

the reinforcing member having an L shape formed by a long side and a short side and including a first hook in a longitudinal end of the short side,

the first hook being disposed at a location at which the first hook overlaps the sheet metal in front view,

one of the first hook and the sheet metal being held by the other of the first hook and the sheet metal in side view of the location at which the first hook overlaps the sheet metal.

[Claim 2]

The refrigerator of claim 1, wherein

the sheet metal has a U-shape in the side view, and

the first hook is located between both ends of the sheet metal.

[Claim 3]

The refrigerator of claim 1 or 2, wherein

the hinge bearing member is housed in a hollow portion formed in an end of the lower side of the frame-shaped cap, and

the short side and the first hook of the reinforcing member are disposed so as to cover the hollow portion.

[Claim 4]

The refrigerator of any one of claims 1 to 3, wherein the reinforcing member includes a second hook in a lateral end of the short side.

[Claim 5]

The refrigerator of claim 4, wherein the second hook has a hole.

[Claim 6]

The refrigerator of any one of claims 1 to 5, wherein a hard material is bonded to a back surface of the outer face member.

[Claim 7]

The refrigerator of any one of claims 1 to 6, wherein a material whose color changes upon application of a pressure is bonded to a back surface of the outer face member.

CLAIMS

[Claim 1]

A refrigerator comprising:

a body having a front opening;

a hinge provided on a side face of the body; and

a pivoting door pivoted on the hinge and configured to cover the front opening in such a manner that the pivoting door freely opens or closes,

the pivoting door including

an outer face member that is a reinforced glass or a resin having a flat plate shape and constituting a front face of the pivoting door,

an inner face member constituting a back face of the pivoting door,

a heat insulator filling a gap between the outer face member and the inner face member,

a frame-shaped cap made of a resin and attached to four sides of each of the outer face member and the inner face member,

a reinforcing member made of a metal and reinforcing a side face of the frame-shaped cap,

a hinge bearing member pivoted on the hinge, the hinge bearing member being housed in a hollow portion formed in an end of the lower side of the frame-shaped cap, and

a sheet metal attached to an upper portion of a lower side of the frame-shaped cap, and fixing the hinge bearing member to the frame-shaped cap,

the reinforcing member having an L shape formed by a long side and a short side and including a first hook in a longitudinal end of the short side,

the first hook being disposed at a location at which the first hook overlaps the sheet metal in front view,

one of the first hook and the sheet metal being held by the other of the first hook and the sheet metal in side view of the location at which the first hook

overlaps the sheet metal,

the short side and the first hook of the reinforcing member are disposed so as to cover the hollow portion.

[Claim 2]

A refrigerator comprising:

a body having a front opening;

a hinge provided on a side face of the body; and

a pivoting door pivoted on the hinge and configured to cover the front opening in such a manner that the pivoting door freely opens or closes,

the pivoting door including

an outer face member that is a reinforced glass or a resin having a flat plate shape and constituting a front face of the pivoting door,

an inner face member constituting a back face of the pivoting door,

a heat insulator filling a gap between the outer face member and the inner face member,

a frame-shaped cap made of a resin and attached to four sides of each of the outer face member and the inner face member,

a reinforcing member made of a metal and reinforcing a side face of the frame-shaped cap,

a hinge bearing member pivoted on the hinge, and

a sheet metal attached to an upper portion of a lower side of the frame-shaped cap, and fixing the hinge bearing member to the frame-shaped cap,

the reinforcing member having an L shape formed by a long side and a short side and including a first hook in a longitudinal end of the short side,

the first hook being disposed at a location at which the first hook overlaps the sheet metal in front view,

one of the first hook and the sheet metal being held by the other of the first hook and the sheet metal in side view of the location at which the first hook overlaps the sheet metal,

the reinforcing member including a second hook in a lateral end of the short side.

[Claim 3]

The refrigerator of claim 1 or 2, wherein

the sheet metal has a U-shape in the side view, and

the first hook is located between both ends of the sheet metal.

[Claim 4]

The refrigerator of claim 2, wherein the second hook has a hole.

[Claim 5]

The refrigerator of any one of claims 1 to 4, wherein a hard material is bonded to a back surface of the outer face member.

[Claim 6]

The refrigerator of any one of claims 1 to 5, wherein a material whose color changes upon application of a pressure is bonded to a back surface of the outer face member.