CLAIMS

[Claim 1]

A refrigerator comprising:

a box body having an opening at a front side of the box body; and

a door configured to open and close the opening at the front side of the box body,

the door including

an outer plate constituted of a glass surface member,

an inner plate disposed to face the outer plate,

a heat-insulating material disposed between the outer plate and the inner plate, the heat-insulating material being constituted of a urethane foam and a vacuum heat-insulating material,

a magnetic gasket attached to an outer edge of the inner plate on a side of the opening,

a left projection provided on an inner side of the magnetic gasket, the left projection extending in a height direction and projecting toward the opening from a left portion of the inner plate, and

a right projection provided on the inner side of the magnetic gasket, the right projection extending in the height direction and projecting toward the opening from a right portion of the inner plate,

in the left projection and the right projection, a reinforcing member being provided to extend in the height direction.

[Claim 2]

The refrigerator of claim 1, wherein the reinforcing member is formed of a flat metal plate.

[Claim 3]

A refrigerator comprising:

a box body having an opening at a front side of the box body; and

a door configured to open and close the opening at the front side of the box body,

the door including

an outer plate constituted of a glass surface member,

an inner plate disposed to face the outer plate,

a heat-insulating material disposed between the outer plate and the inner plate, the heat-insulating material being constituted of a urethane foam and a vacuum heat-insulating material,

a magnetic gasket attached to an outer edge of the inner plate on a side of the opening,

a left projection provided on an inner side of the magnetic gasket, the left projection extending in a height direction and projecting toward the opening from a left portion of the inner plate, and

a right projection provided on the inner side of the magnetic gasket, the right projection extending in the height direction and projecting toward the opening from a right portion of the inner plate,

a height of the left projection and the right projection being at least three times a thickness of the heat-insulating material and less than or equal to four times the thickness of the heat-insulating material.

[Claim 4]

The refrigerator of any one of claims 1 to 3, wherein a thickness of the heat-insulating material is 15 mm to 20 mm.

[Claim 5]

The refrigerator of any one of claims 1 to 4, wherein the heat-insulating material comprises the vacuum heat-insulating material having a coverage of 65% or more.