CLAIMS

1. A refrigerator comprising:

a housing; and

a refrigerant circuit accommodated in the housing,

the housing having a machinery chamber and a cooler chamber,

the machinery chamber being provided in the housing at a lower portion on a rear side,

the cooler chamber being provided in the housing on the rear side and disposed above the machinery chamber,

the refrigerant circuit comprising a compressor, a condenser, a decompression device, and an evaporator,

the refrigerant circuit being configured to pass refrigerant through the compressor, the condenser, the decompression device, and the evaporator in this order,

the condenser including a machinery chamber condenser, a condenser pipe, and a cabinet pipe,

the compressor, the machinery chamber condenser and the decompression device being disposed in the machinery chamber,

the evaporator being disposed in the cooler chamber,

the machinery chamber condenser being connected to the compressor and the condenser pipe,

the condenser pipe being connected to the machinery chamber condenser and the cabinet pipe, and disposed on each of a right side, a left side, and the rear side of the housing,

the cabinet pipe being disposed at an edge of the housing on a front side,

the machinery chamber condenser comprising:

a first header;

a second header spaced from the first header in a first direction; and

a plurality of flat tubes each extending in the first direction to be connected to each of the first and second headers, and also extending in a second direction crossing the first direction,

the first and second headers each having an inner circumference formed in an

elliptical shape having a minor axis and a major axis,

the inner circumference having the minor axis along the first direction and the major axis along the second direction,

the minor axis having a dimension allowing the first and second headers to pass the refrigerant at a flow velocity equal to or larger than a zero penetration flow velocity,

an inflow pipe and an outflow pipe being connected to the second header,

the inflow pipe being connected to the second header on a lower side as seen in an upward/downward direction,

the outflow pipe being connected to the second header on an upper side as seen in the upward/downward direction.

2. The refrigerator according to claim 1, wherein

the plurality of flat tubes each have a plurality of through holes aligned in the second direction, and

the plurality of through holes each pass through each of the plurality of flat tubes in the first direction.