~~[Name of Document]~~ CLAIMS

[Claim 1]

A heat exchanger comprising:

a heat transfer pipe formed of aluminum or an aluminum alloy; and

a connection pipe unit through which a refrigerant flowing out of the heat transfer pipe and a refrigerant flowing into the heat transfer pipe pass,

the connection pipe unit including

a gas pipe through which the refrigerant in a gaseous state flows, and

a liquid pipe through which the refrigerant in a liquid state or in a two-phase gas-liquid state flows,

the gas pipe and the liquid pipe each having

a first refrigerant pipe formed of aluminum or an aluminum alloy, and

a second refrigerant pipe formed of copper or a copper alloy,

the first refrigerant pipe and the second refrigerant pipe being connected to each other,

the first refrigerant pipe having a fall portion connected to the heat transfer pipe, the fall portion extending downward relative to the heat transfer pipe, wherein

each connection portion between the first refrigerant pipe and the second refrigerant pipe is disposed in the fall portion of the first refrigerant pipe,

the connection pipe unit is covered with a thermally insulating material, ~~and~~

anti-corrosion treatment is applied to each first refrigerant pipe covered with the thermally insulating material, and

the connection portion of the gas pipe and the connection portion of the liquid pipe are located at a same height level.

[Claim 2]

The heat exchanger of Claim 1,wherein

the gas pipe and the liquid pipe are disposed so as to be close to each other.

[Claim ~~2~~3]

The heat exchanger of Claim 1 or 2, wherein

the gas pipe and the liquid pipe each have a curved portion in a lower part of the fall portion of the first refrigerant pipe, and

each connection portion is located above the corresponding curved portions.

~~[Claim 3]~~

~~The heat exchanger of Claim 1 or 2, wherein~~

~~the connection portion of the gas pipe and the connection portion of the liquid pipe are located at a same height level.~~

[Claim 4]

An air-conditioning apparatus comprising:

the heat exchanger of any one of Claims 1 to 3.