CLAIMS

1. A gas cooler comprising:

a casing;

a cooling unit provided within the casing and configured to cool gas;

an upper space located above the cooling unit and a bottom space located below the cooling unit, the upper space and the lower space being formed separately from each other by the cooling unit within the casing;

a lead-in port for leading the gas into the upper space;

a lead-out port for leading out the gas from the bottom space; and

a drain scattering prevention member disposed in the bottom space and being configured to collect therein drain water accompanied by the gas as the gas passes, the drain water being produced by condensation of moisture contained in the gas by cooling with the cooling unit,

wherein the drain scattering prevention member is provided to cover the lead-out port and is laid at a bottom wall of the casing

2. The gas cooler according to claim 1, wherein the cooling unit includes a seal plate for sealing a space between the upper space and the bottom space.

3. The gas cooler according to claim 1 or 2, further comprising a drain discharge port for discharging the drain water to an outside of the

casing.

4. The gas cooler according to any one of claims 1 to 3, wherein the drain scattering prevention member is a block body made of metal wool.

5. The gas cooler according to any one of claims 1 to 3, wherein the drain scattering prevention member is a stacked body of metal meshes.