## CLAIMS

1. A vaporized gas liquefaction facility comprising:

a liquefied gas tank storing a liquefied gas;

an atomizing nozzle that atomizes a vaporized gas and releases the vaporized gas as bubbles into the liquefied gas stored in the liquefied gas tank; and

a gas-liquid separator that separates the vaporized gas and the liquefied gas from each other, wherein

the atomizing nozzle atomizes the vaporized gas which has been separated from the liquefied gas by the gas-liquid separator.

2. The vaporized gas liquefaction facility according to claim 1, wherein the bubbles include bubbles whose diameters are less than 100 μm.

3. The vaporized gas liquefaction facility according to claim 1 or 2, wherein the atomizing nozzle includes a porous material that atomizes the vaporized gas by allowing the vaporized gas to flow through the porous material.

4. The vaporized gas liquefaction facility according to claim 1, further comprising an ejector that liquefies the vaporized gas by expanding the vaporized gas, wherein

the gas-liquid separator separates the vaporized gas and the liquefied gas, which have been discharged from the ejector, from each other.

5. A gas fuel supply system comprising:

a liquefied gas tank storing a liquefied gas;

a supply line that connects the liquefied gas tank and a gas fuel engine to each other;

a pressure pump that is located on the supply line and pressurizes the liquefied gas;

a return line connected to a portion of the supply line which is located downstream of the pressure pump;

an ejector that partially liquefies a vaporized gas, generated in the return line, by expanding the vaporized gas;

a gas-liquid separator that separates the vaporized gas and the liquefied gas which have been discharged from the ejector; and

an atomizing nozzle that atomizes the vaporized gas which has been separated from

the liquefied gas by the gas-liquid separator, and releases the vaporized gas as bubbles into the liquefied gas stored in the liquefied gas tank.

6. A method of liquefying a vaporized gas, comprising:

separating a vaporized gas and a liquefied gas from each other;

atomizing the vaporized gas which has been separated from the liquefied gas; and

releasing the vaporized gas as bubbles into the liquefied gas stored in a liquefied gas tank.