CLAIMS

1. A liquefied gas storage tank comprising:

a wall configured to form a storage space for accommodating liquefied gas and having a dome formed on its upper surface for inflow and outflow of the liquefied gas;

a pump tower having an upper end fixed to the dome and provided with a pipe configured to load and unload liquefied gas and a discharge pump configured to unload liquefied gas; and

a lower rotary bearing portion provided on the wall forming a bottom of the storage space and configured to constrain a lower end of the pump tower,

wherein the pump tower comprises an upper rotary bearing portion which is guided to have horizontal movement constrained while vertical movement is allowed by the lower rotary bearing portion,

the lower rotary bearing portion comprises a plurality of constraining portions which are radially disposed based on a vertical center and provided side by side with the vertical center to have a plurality of constraining surfaces, respectively, so that the upper rotary bearing portion is seated among the plurality of constraining portions, and

the lower rotary bearing portion comprises:

a fixed portion fixed to the wall to protrude inward from the wall and having a circular cross section; and

the plurality of constraining portions radially disposed around the fixed portion.

2. The liquefied gas storage tank of claim 1, wherein the constraining portion has an arc shape to connect a pair of the constraining surfaces that are spaced apart at a predetermined angle.

3. The liquefied gas storage tank of claim 1, wherein the constraining portion is provided point-symmetrically based on the vertical center.

4. A ship comprising the liquefied gas storage tank of any one of the preceding claims.