CLAIMS

1. A wall (22) of a tank (2) capable of containing a liquid cargo and intended to be installed in a transport ship (1), the wall (22) comprising at least one primary insulation layer (224) extending mostly in a primary plane (P1) and a secondary insulation layer (226) extending mostly in a secondary plane (P2), the primary insulation layer (224) and the secondary insulation layer (226) being superposed in a direction transversal to the planes of insulation (P1, P2) of the layers (224, 226), the tank wall (22) comprising at least one bushing (3) in the form of a hollow cylinder passing through the layers (224, 226) and a pipe (31) which extends in the bushing (3), characterized in that the primary insulation layer (224) comprises a peripheral zone (229) which extends around the bushing (3) and in the secondary plane (P2) of the secondary insulation layer (226).

2. The wall (22) of a tank (2) as claimed in the preceding claim, wherein the peripheral zone (229) houses at least one peripheral piece (240) which extends in the secondary plane (P2) of the secondary insulation layer (226) over a radius of between 400 mm and 1000 mm around a bushing axis (R) of the bushing (3).

3. The wall (22) of a tank (2) as claimed in either one of the preceding claims, wherein a thickness (T3) of the peripheral zone (229) is identical to a thickness (T2) of the secondary insulation layer (226).

4. The wall (22) of a tank (2) as claimed in any one of the preceding claims, wherein a partition (232) extends at least around the bushing (3) between the secondary insulation layer (226) and the peripheral zone (229).

5. The wall (22) of a tank (2) as claimed in the preceding claim, wherein the partition (232) ensures a seal-tightness between the primary insulation layer (224) and the secondary insulation layer (226).

6. The wall (22) of a tank (2) as claimed in any one of the preceding claims, wherein at least one gas evacuation tube (32) extends in the bushing (3) and has an outer end (322) which emerges outside of the tank (2) and an inner end (321) which emerges in a vapor space (21) of the tank (2).

7. The wall (22) of a tank (2) as claimed in any one of the preceding claims, wherein the pipe (31) is a liquid cargo offloading pipe.

8. A transport ship (1) comprising at least one wall (22) of a tank (2) as claimed in any one of the preceding claims.

9. The transport ship (1) as claimed in the preceding claim, comprising at least one deck (228) of the transport ship (1), one edge (2280) of the deck (228) being at a non-zero distance from the bushing (3).

10. The transport ship (1) as claimed in the preceding claim, wherein the edge (2280) of the deck (228) extends at least partially axially in line with the peripheral zone (229) on a straight line parallel to the bushing axis (R).

11. The transport ship (1) as claimed in claim 9 or 10, wherein a cylinder (233) positioned around the bushing (3) is supported by an outer face (2281) of the deck (228) and delimits, with the bushing (3), a space (2331) containing a thermally insulating material, the space (2331) being closed by a top (234).

12. The transport ship (1) as claimed in the preceding claim, wherein the edge (2280) of the deck (228) is radially positioned between the bushing (3) and an inner face (2334) of the cylinder (233).

13. The transport ship (1) as claimed in claim 10, wherein a duct (235) passes through the cylinder (233), the peripheral zone (229) and emerges in the primary insulation layer (224), the duct (235) being configured to be linked to an inert gas supply device.

14. A method to be used to load or offload a liquid natural gas into or from a tank (2) comprising a wall (22) as claimed in one of claims 1 to 7 or a liquid natural gas transport ship (1) as claimed in one of claims 8 to 12.