PTL 1: International Publication No. 2005-514133

SUMMARY OF THE DISCLOSURE

The present disclosure provides a washing machine that allows the user to easily grasp a remaining amount of liquid agent in a tank.

A washing machine according to an aspect of the present disclosure includes a housing, a water tub supported in the housing, a washing tub rotatably provided in the water tub, a tank having an opening in an upper portion and storing liquid, a tank lid configured to open and close the opening, and a liquid supply device (automatic liquid agent injection device) configured to supply the liquid inside the tank into the water tub. The tank is configured to have a longitudinal rib formed on an inner wall surface and extending in a vertical direction, wherein the tank includes a plurality of longitudinal ribs having different lengths and formed apart from each other on the inner wall surface, wherein the plurality of longitudinal ribs are formed to have larger heights toward a front side, the tank lid includes a liquid agent replenishment lid openably provided at an opening portion formed on a front side of the housing, and the plurality of longitudinal ribs are provided on a rear side of the opening portion.

This configuration allows the user to visually check a length between a liquid level of a liquid agent in the tank and an upper end portion of the longitudinal rib. This enables the user to easily grasp an approximate remaining amount of liquid agent in the tank.

BRIEF DESCRIPTION OF DRAWINGS

FIG. 1 is an external perspective view of a washing machine according to an exemplary embodiment of the present invention.

FIG. 2 is a longitudinal sectional view of the washing machine according to the same exemplary embodiment.

FIG. 3 is an exploded perspective view of a main part of the washing machine according to the same exemplary embodiment.

FIG. 4 is a plan view of an automatic liquid agent injection device of the washing machine according to the same exemplary embodiment.

CLAIMS

1. A washing machine comprising:

a housing;

a water tub supported in the housing;

a washing tub rotatably provided in the water tub;

a tank having an tank opening in an upper portion and storing a liquid agent;

a tank lid having an lid opening portion formed on a front side of the housing and configured to open and close the tank opening; and

a liquid supply device configured to supply the liquid agent inside the tank into the water tub,

wherein the tank has a plurality of longitudinal ribs formed on an inner wall surface and extending in a vertical direction and having different lengths, wherein the plurality of longitudinal ribs are formed apart from each other and provided on a rear side of the lid opening portion, wherein the plurality of longitudinal ribs are formed to have larger heights toward a front side.

2. The washing machine according to claim 1, wherein

the tank lid includes a liquid agent replenishment lid openably provided at the lid opening portion.

3. The washing machine according to claim 2, wherein the liquid agent replenishment lid is formed from a member having optical transparency.

4. The washing machine according to any one of claims 2 to 3, further comprising

a float portion pivotally floating on the liquid agent surface in the tank, and

the float portion is configured not to pivot forward beyond one of the plurality of longitudinal ribs, the one of the plurality of longitudinal ribs being located on a most rear side.