fixed substances may enter from the suction port of the cylinder into a detergent supply water channel, resulting in a pressure loss in a water channel. In addition, when fixed substances adhere to the packing member between the liquid tank and the automatic liquid agent injection device, the water tightness of the coupling portions may deteriorate. For these reasons, the automatic liquid agent injection device cannot stably discharge a necessary amount of detergent liquid or softener liquid. As a result, washing performance or rinsing performance may deteriorate.

Citation List

Patent Literature

PTL 1: PCT International Publication No. 2016-524995

SUMMARY OF THE DISCLOSURE

The present disclosure provides a washing machine that can wash away residues such as a liquid agent adhering to coupling portions between a tank and an automatic liquid agent injection device every time tap water is supplied to a tank storage portion.

The washing machine according to the present disclosure includes a housing, a water tub supported inside the housing, a tank storage portion disposed above the water tub and having a storage portion, and a tank detachably mounted in the storage portion and internally storing a liquid agent. The washing machine further includes a liquid supply device configured to supply a liquid agent inside the tank into the water tub, a water supply channel provided in an upper portion of the housing and configured to supply water, a water channel communicating with the water supply channel, the water channel being a channel through which water is supplied into the storage portion of the tank

storage portion and a water supply valve provided in the housing and configured to open and close the water channel. The tank has a first cylindrical portion configured to discharge the