DESCRIPTION

WASHING MACHINE

TECHNICAL FIELD

[0001] The present disclosure relates to a washing machine including a lid.

BACKGROUND ART

[0002] Patent Literature 1 discloses a washing machine including a lid disposed to cover the top of a clothes slot in an openable and closable manner.

[0003] The washing machine disclosed in Patent Literature 1 includes: a casing; a top cover disposed on the top of the casing; a clothes slot formed in the top cover; a lid disposed to cover the top of a clothes slot in the openable and closable manner; a lid hinge bearing configured to rotatably support the lid; and a rotary damper for shock absorption, the damper being configured to attenuate the rotation of the lid having one end pivotally supported by the lid hinge bearing. The lid hinge bearing is fastened to the top cover with a screw.

Citation List

[0004] Patent Literature 1: Unexamined Japanese Patent Publication No. 2018-38467

SUMMARY

[0005] However, in the above-mentioned conventional lid hinge bearing, a stress concentrates around the screw fastening the lid hinge bearing during the rotation of the lid, and as a result, the risk of breakage of the top cover and the lid hinge bearing arises.

[0006] The present disclosure provides a washing machine with high durability to withstand a stress occurring during the rotation of a lid.

[0007] In an aspect, the present disclosure provides a washing machine comprising: a casing; a top cover disposed on the top of the casing; a slot in the top cover; a lid disposed to cover the top of the slot in an openable and closable manner; and a bearing configured to rotatably support the lid. The top cover includes a top face having a space into which the bearing is to be inserted. A bottom of the bearing includes: a first face at a side of the bearing, the side being inserted into the space; and a second face at a higher position than the first face. Each of the first face and the second face is fixed to the top cover with a screw.

[0008] The washing machine according to the present disclosure has high durability to withstand a stress occurring during the rotation of the lid.

BRIEF DESCRIPTION OF DRAWINGS

[0009] FIG. 1 is a perspective view of the appearance of a washing machine of Embodiment 1 in a state in which a lid of the washing machine is closed.

FIG. 2 is a perspective view of the appearance of the washing machine in a state in which the lid of the washing machine is opened.

FIG. 3 is a side view illustrating states in which the lid of the washing machine is opened and closed.

FIG. 4 is an exploded perspective view illustrating a structure around the lid of the washing machine.

FIG. 5 is a vertical cross-sectional view illustrating a structure around the bearing of the lid of the washing machine.

FIG. 6 is a horizontal cross-sectional view obtained when the structure around the bearing of the lid of the washing machine is viewed from below.

FIG. 7 is a schematic diagram illustrating a stress occurring around the