DESCRIPTION

WASHING MACHINE

TECHNICAL FIELD

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

BACKGROUND ART

[0002] PTL 1 discloses a washing machine including a damper mechanism that damps the closing movement of the lid.

[0003] The washing machine according to PTL 1 includes a top cover placed on top of a washing machine body, a lid provided so as to openably cover a clothes loading port formed on the top cover, and a rotary shock damper that damps a rotation of the lid pivotally supported by the top cover.

Citation List

Patent Literature

[0004] PTL 1: WO 2018/042962 A

SUMMARY

[0005] The present disclosure provides a washing machine capable of preventing a finger from being pinched when the lid is opened or closed.

[0006] In one aspect, the present disclosure refers to a washing machine including a housing that enables laundry to be loaded inside of the housing, from a top surface side of the housing in an installed orientation, comprising an upper frame, a laundry loading port, and a lid. The upper frame is disposed as an upper portion of the housing. The laundry loading port is formed in the upper frame in a manner enabling the laundry to be loaded inside the housing. The lid openably covers the laundry loading port. The lid includes a lid plate, lid rotation shaft components, and lid rotation shafts. The lid rotation shaft components are fixed to a rear portion of the lid plate, the rear portion being on a rear side of the washing machine according to the present disclosure with the lid closed, in the installed orientation. The lid rotation shafts rotatably support the respective lid rotation shaft components. On a rear side of an upper portion of the upper frame, bearing spaces each having an opening facing upward are formed. Closure portions that close the

respective bearing spaces when the lid is opened are formed as lower portions of the respective lid rotation shaft components, the lower portions being lower when the lid is opened.

[0007] In another aspect, the present disclosure refers to a washing machine including a housing that enables laundry to be loaded inside of the housing, from a top surface side of the housing in an installed orientation, and includes an upper frame, a laundry loading port, and a damper-compatible lid. The upper frame is disposed as an upper portion of the housing. The laundry loading port is formed in the upper frame in a manner enabling the laundry to be loaded inside. The damper-compatible lid openably covers the laundry loading port. The damper-compatible lid includes a lid plate, and a damper casing fixed to a rear portion of the lid plate, the rear portion being on the rear side of the washing machine according to the present disclosure, with the damper-compatible lid closed, in the installed orientation. The damper casing has damper housings, and each of the damper housings accommodates a damper that damps a closing movement of the damper-compatible lid. On the rear side in the upper portion of the upper frame, bearing spaces each having an opening facing upward are formed. A damper bearing to which a damper is to be attached is inserted in and fixed to each of the bearing spaces.

[0008] The washing machine according to the present disclosure can prevent a finger from being pinched when the lid is opened or closed.

BRIEF DESCRIPTION OF THE DRAWINGS

[0009] Fig. 1 is a longitudinal sectional view illustrating a structure of a washing machine according to a first exemplary embodiment.

Fig. 2 is an exploded perspective view illustrating structures of and around a lid in the washing machine according to the first exemplary embodiment.

Fig. 3A is an external perspective view illustrating structures of and around the lid in the washing machine according to the first exemplary embodiment.

Fig. 3B is an enlarged external perspective view illustrating structures of and around a closure portion in the washing machine according to the first exemplary embodiment.

Fig. 4A is a longitudinal sectional view illustrating structures of and around a closure portion in the washing machine according to the first exemplary embodiment with

the lid closed.