Summary of Invention

Technical Problem

[0009]

In the refrigerator described in the above-mentioned Patent Literature 2, three rails consisting of a lower rail, a middle rail, and an upper rail are provided to each of the left and right side walls of the storage compartment, the lower rails supporting the frames of the drawer type door, the middle rails supporting the second accommodation container, the upper rails supporting a third accommodation container. In such a structure, it is necessary to dispose the three rails on each of the left and right side walls of the storage compartment in a spaced apart manner in the up-and-down direction and hence, the lower rails that engage with the frames are disposed at lower portions of the storage compartment. Therefore, there is a large distance in the height direction between the position of the handle disposed at the upper portion of the drawer type door and the position at which the frames are provided and fixed to the back side of drawer type door.

[0010]

As a result, when the user operates the handle of the drawer type door, large moment of rotation is generated between the handle of the drawer type door and the position at which the frames are fixed. Therefore, to suppress wobbling of the drawer type door and the deformation of the fixed portion of the frame, it is necessary to take measures against an increase in size and thickness of the frames. To avoid such measures, it is desirable to adopt a structure that avoids a large difference in the height direction between the position of the handle of the drawer type door and the position at which the frames of the drawer type door are fixed.

[0011]

The present disclosure seeks to provide a refrigerator in which user-friendliness of the accommodation container accommodated in the storage compartment may be maintained and a difference in the height direction between the position of the handle of the drawer type door and the position at which the frames of

the drawer type door are fixed may be reduced, thus avoiding an increase in size and thickness of the frames of the drawer type door, allowing the accommodation container to be smoothly pulled out of or pushed into the storage compartment, and achieving user-friendliness and low cost.

Solution to Problem

[0012]

A refrigerator according to an embodiment of the present disclosure includes: a refrigerator body having a storage compartment in the refrigerator body, the storage compartment having an opening on a front side of the storage compartment; a drawer type door provided at the opening of the storage compartment, and configured to open and close the storage compartment; first support parts provided to left and right side walls of the storage compartment, and extending in a first direction being a depth direction of the refrigerator body; second support parts provided to the left and right side walls of the storage compartment, disposed above the first support parts, and extending in the first direction; a pair of left and right frames fixed to a back side of the door, extending in the first direction from the back side, and moving, with an opening and closing operation of the door, in the first direction in a state of being guided by the first support parts; a first accommodation container including a first accommodation container body with an open upper side and first flange portions, the first accommodation container body being disposed in the storage compartment, the first flange portions being provided to left and right side portions of the first accommodation container body, protruding outward in directions away from each other from the left and right side portions of the first accommodation container body, and moving, with the opening and closing operation of the door, in the first direction in a state of being supported by the pair of left and right frames; a second accommodation container including a second accommodation container body with an open upper side, second flange portions, and stepped portions, the second accommodation container body being disposed in the storage compartment, the second flange portions being provided to left and right side portions of the second accommodation container body and protruding outward in directions away from each other from the left and right side

portions of the second accommodation container body, the stepped portions being each provided between an associated one of the left and right side portions of the second accommodation container body and an associated one of the second flange portions; and a third accommodation container including a third accommodation container body with an open upper side, third flange portions, and slider portions, the third accommodation container body being disposed in the storage compartment, the third flange portions being provided to left and right side portions of the third accommodation container body and protruding outward in directions away from each other from the left and right side portions of the third accommodation container body, the slider portions being provided at the left and right side portions of the third accommodation container body and protruding outward in directions away from each other, wherein the stepped portions are provided at the left and right side portions of the second accommodation container body, and protrude outward, in directions away from each other, from the left and right side portions of the second accommodation container body, each of the stepped portions being located inward of and below the associated one of the second flange portions, and when the third accommodation container is supported by the second accommodation container, the slider portions are in contact with upper sides of the stepped portions, and the third accommodation container is supported by the second accommodation container in such a way as to be slidable in the first direction relative to the second accommodation container.

Advantageous Effects of Invention

[0013]

In the refrigerator according to the embodiment of the present disclosure, it is possible to reduce the number of support parts to two (the first support part and the second support part), the support parts being provided to each of the left and right side walls of the storage compartment. For this reason, it is possible to set the position of each first support part, which holds the frame, at a high position. As a result, wobbling of the door can be reduced when the door is operated and hence, it is possible to reduce a load applied to the fixed portions at which the frames are fixed to the back side of the door. Therefore, it is possible to provide a refrigerator in which user-friendliness of the

accommodation container accommodated in the storage compartment is maintained, an increase in size and thickness of the frames of the door is avoided, the accommodation container is allowed to be smoothly pulled