CLAIMS

1. An elevator, characterized in that,

the elevator is provided with in a machine room:

bearing beams erected in the machine room;

a stand-fixation table disposed on the bearing beams;

a traction machine that is mounted on the stand-fixation table through a stand and has a traction sheave about which a rope is wound; and

a guide wheel that directs one end of the rope from the traction sheave toward a counterweight side,

wherein the stand-fixation table comprises:

lower stand-fixation tables arranged on the upper surfaces of the bearing beams,

middle stand-fixation tables arranged on the upper surfaces of the lower stand-fixation tables, and

upper stand-fixation tables arranged on the upper surfaces of the middle stand-fixation tables, the traction machine being mounted on the upper surfaces thereof,

a first vibration-proof mechanism is installed between the bearing beams and the lower stand-fixation tables, and a second vibration-proof mechanism is installed between the middle stand-fixation tables and the upper stand-fixation tables, wherein

the first vibration-proof mechanism is provided with a first vertical vibration-proof member that is installed between the upper surfaces of the bearing beams and the lower surfaces of the lower stand-fixation tables to absorb the vertical vibration;

the second vibration-proof mechanism is provided with a second vertical vibration-proof member that is installed between the upper surfaces of the middle stand-fixation tables and the lower surfaces of the upper stand-fixation tables to absorb the vertical vibration, wherein

the second vibration-proof mechanism further comprises:

a gusset member having vertically-arranged horizontal surface and vertical surface, wherein the horizontal surface is secured on the upper surface of the middle stand-fixation

table, and the vertical surface is secured on the side surface of the upper stand-fixation table on the guide wheel side; and

a horizontal vibration-proof member, installed between the side surface of the upper stand-fixation table on the guide wheel side and the vertical surface of the gusset member in such a manner of being directly connected to the side surface of the upper stand-fixation table on the guide wheel side and to the vertical surface of the gusset member, respectively, to absorb the horizontal vibration.

2. The elevator according to claim 1, characterized in that,

the bearing beam, the lower stand-fixation table, the middle stand-fixation table and the upper stand-fixation table each are two horizontally-extending and mutually-parallel mechanical beams,

the two mechanical beams as the lower stand-fixation tables are respectively arranged along the two mechanical beams as the bearing beams in such a way that the extending direction is parallel to the two mechanical beams as the bearing beams, and are arranged to intersect with the two mechanical beams as the middle stand-fixation tables,

the two mechanical beams as the middle stand-fixation tables are arranged to intersect with the two mechanical beams as the upper stand-fixation tables.

3. The elevator according to claim 2, characterized in that,

a plurality of the first vertical vibration-proof members of the first vibration-proof mechanism are disposed at predetermined intervals along the extending direction of the two mechanical beams as the lower stand-fixation tables,

the second vertical vibration-proof members of the second vibration-proof mechanism are disposed at the overlapping locations of the two mechanical beams as the middle stand-fixation tables with the two mechanical beams as the upper stand-fixation tables, and

disposed on the side surfaces of the two mechanical beams as the upper stand-fixation tables on the guide wheel side are the horizontal vibration-proof members of the second vibration-proof mechanism, one on each side surface.

4. The elevator according to claim 2, characterized in that,

the respective two mechanical beams each are provided with a plurality of reinforcing ribs at predetermined intervals along the extending direction.

5. The elevator according to claim 2, characterized in that,

the two mechanical beams as the lower stand-fixation tables perpendicularly intersect with the two mechanical beams as the middle stand-fixation tables, and

the two mechanical beams as the middle stand-fixation tables perpendicularly intersect with the two mechanical beams as the upper stand-fixation tables.

6. The elevator according to claim 1, characterized in that,

a rotating shaft of the guide wheel is supported on the lower stand-fixation table.

7. The elevator according to claim 1, characterized in that,

the first vertical vibration-proof member, the second vertical vibration-proof member and the horizontal vibration-proof member each are formed by a rubber gasket.

8. The elevator according to any one of claims 1 to 5, characterized in that,

the elevator is the one having a traction ratio of 2:1.