CLAIMS

1. A storage shelf comprising:

a placement unit on which an object is placed; and

a frame unit that supports the placement unit, wherein

the placement unit includes:

a frame that is arranged on a frame unit with a first elastic body interposed therebetween; and

a shelf plate that is arranged on the frame with a second elastic body interposed therebetween and on which the object is placed.

2. The storage shelf according to claim 1, wherein

the object is a front-opening unified pod (FOUP) configured to accommodate therein wafers,

the placement unit includes a third elastic body arranged between the frame and the shelf plate and having rigidity higher than those of the first and the second elastic bodies, and

the third elastic body is arranged on a side where a lid of the FOUP is positioned when the FOUP is placed on the shelf plate.

3. The storage shelf according to claim 1 or 2, wherein

the frame unit includes a pair of beam members facing each other,

the frame is disposed over the pair of beam members and includes:

a concave portion positioned between the pair of beam

members and including a base portion extending in an opposing direction of the pair of beam members and a pair of raised portions that are raised from both ends of the base portion; and

overhanging portions that overhang from ends of the raised portions and are mounted on the beam members each with the first elastic body interposed therebetween, and

the second elastic body is arranged on the concave portion of the frame.

4. The storage shelf according to any one of claims 1 to 3, wherein the frame unit is secured to a rail of a traveling vehicle or to a supporting member supporting the rail.

5. A storage shelf comprising

a placement unit on which an object is placed; and

a frame unit that supports the placement unit and is secured to a rail of a traveling vehicle or to a supporting member supporting the rail, wherein

the placement unit is arranged on the frame unit with an elastic body interposed therebetween, and includes a shelf plate on which the object is placed.

CLAIMS

1. A storage shelf comprising:

a placement unit on which an object is placed; and

a frame unit that supports the placement unit, wherein

the placement unit includes:

a frame that is arranged on a frame unit with a first elastic body interposed therebetween; and

a shelf plate that is arranged on the frame with a second elastic body interposed therebetween and on which the object is placed,

the frame unit includes a pair of beam members facing each other,

the frame is disposed over the pair of beam members and includes:

a concave portion positioned between the pair of beam members and including a base portion extending in an opposing direction of the pair of beam members and a pair of raised portions that are raised from both ends of the base portion; and

overhanging portions that overhang from ends of the raised portions and are mounted on the beam members each with the first elastic body interposed therebetween, and

the second elastic body is arranged on the concave portion of the frame.

2. The storage shelf according to claim 1, wherein

the object is a front-opening unified pod (FOUP) configured to

accommodate therein wafers,

the placement unit includes a third elastic body arranged between the frame and the shelf plate and having rigidity higher than those of the first and the second elastic bodies, and

the third elastic body is arranged on a side where a lid of the FOUP is positioned when the FOUP is placed on the shelf plate.

3. The storage shelf according to claim 1 or 2, wherein the frame unit is secured to a rail of a traveling vehicle or to a supporting member supporting the rail.