CLAIMS

1. A storage shelf including a body frame and a plate-like shelf plate, the body frame including a plate-like base member, the shelf plate being attached to the base member with an elastic body interposed therebetween, the storage shelf configured to store therein a container containing a contained object, the storage shelf comprising:

a feed nozzle provided on the shelf plate and configured to feed gas to the container; and

a feed tube having one end communicating with the feed nozzle and the other end communicating with a main tube connected to a feed source of the gas to be fed to the container, the main tube being supported by a support separate from the shelf plate, wherein

the feed tube has a flexible part having flexibility at least partially between the one end and the other end, and is arranged in a space formed between the plate-like base member and the plate-like shelf plate.

2. The storage shelf according to claim 1, wherein the support is the body frame.

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

the shelf plate has a rectangular shape in plan view,

the feed nozzle is arranged at one corner portion of the shelf plate, and

the other end of the feed tube is arranged near to another corner portion of the shelf plate that is diagonally opposed to the one corner portion.

4. The storage shelf according to any one of claims 1 to 3, wherein

an axial direction of the feed tube at the one end and an axial direction thereof at the other end are orthogonal to each other, and the feed tube has a curved portion between the one end and the other end.

5. The storage shelf according to any one of claims 1 to 4, wherein the feed tube is arranged along a horizontal direction.

6. The storage shelf according to claim 1 or 2, further comprising a filter supported by the body frame and provided between the main tube and the other end of the feed tube.

7. The storage shelf according to any one of claims 1 to 6, wherein

the body frame further includes

suspending members extending downward and secured to any one of a rail of an overhead transport vehicle, a supporting member supporting the rail, and a ceiling, and

connecting members connecting between lower ends of the suspending members,

the base member is disposed across the connecting members,

the shelf plate includes

the feed nozzle, and

a pin for positioning the container, and

the main tube is supported by the base member.