shelf to be easily retracted upward.

Solution to Problem

[0006] According to a first aspect of the present invention, there is provided a storage rack comprising a base frame and a shelf movable upward with respect to the base frame, wherein on the base frame, a hoisting unit capable of being attached to and detached from the base frame is able to be placed, wherein the shelf includes an engaged portion configured to be engaged with a hook of the hoisting unit, and wherein the base frame includes transverse beams horizontally spaced apart and each having a placement surface on which the hoisting unit is to be placed.

[0007] With this storage rack, the shelf can be moved upward by placing the hoisting unit, which is prepared separately from the storage rack, on the base frame and engaging the engaged portion with the hook and hoisting the shelf. The storage rack does not include the hoisting unit, and thus the configuration thereof can be simplified more than a conventional one. Hoisting operation (retracting operation) itself is also simple, and thus the shelf can be easily retracted upward.

[0008] The base frame may include transverse beams horizontally spaced apart and each having a placement surface on which the hoisting unit is to be placed. With this configuration, preparation for hoisting is completed simply by placing the hoisting unit on the placement surfaces of the transverse beams and engaging the engaged portion with the hook, and thus the hoisting operation is further facilitated.

[0009] The shelf may include a support column extending in a vertical

direction, the support column may include a stopper at its upper end, the base frame may include a guide portion in which an insertion hole penetrating in the vertical direction is formed, and the guide portion may restrain the stopper (support column) from descending when the

CLAIMS

[Claim 1] A storage rack comprising:

a base frame; and

a shelf movable upward with respect to the base frame, wherein on the base frame, a hoisting unit capable of being attached to and detached from the base frame is able to be placed,

wherein the shelf includes an engaged portion configured to be engaged with a hook of the hoisting unit, and

wherein the base frame includes transverse beams horizontally spaced apart and each having a placement surface on which the hoisting unit is to be placed.

[Claim 2] The storage rack according to claim 1, wherein

the shelf includes a support column extending in a vertical direction,

wherein the support column includes a stopper at its upper end,

wherein the base frame includes a guide portion in which an insertion hole penetrating in the vertical direction is formed, and

wherein the guide portion restrains the stopper from descending when the support column inserted into the insertion hole descends and the shelf is positioned in a lowered position.

[Claim 3] The storage rack according to claim 2, wherein a lower portion of the support column of the shelf and the base frame each have mounting holes configured to horizontally communicate with each other for a fixture to be attached when the shelf is positioned in a raised position.

[Claim 4] The storage rack according to claim 1, wherein the shelf

includes a support column extending in a vertical direction when the shelf is positioned in a lowered position and configured to be foldable when the shelf is positioned in a raised position.