CLAIMS

1. A work machine comprising:

handrail device to be provided in a boom capable of being raised and lowered included in a work machine, the boom including a plurality of unit booms to be connected to each other in a state of being aligned in a boom length direction that is a length direction of the boom, the plurality of unit booms including a first unit boom and a second unit boom that are adjacent to each other in the boom length direction, each of the first unit boom and the second unit boom including a right support pillar and a left support pillar which are spaced in a boom width direction which is a width direction of the boom, the width direction being orthogonal to the boom length direction, each of the right support pillar and the left support pillar extending in the boom length direction, and a plurality of pipes which extend in the boom width direction between opposite ends of the right support pillar in the boom length direction and opposite ends of the left support pillar in the boom length direction, respectively, to interconnect the right support pillar and the left support pillar; and

a handrail device provided in the boom, the handrail device comprising including:

a pair of first poles spaced in the boom length direction in the first unit boom and extending from the first unit boom in a pole direction orthogonal to each of the boom length direction and the boom width direction;

a pair of second poles spaced in the boom length direction in the second unit boom and extending from the second unit boom in the pole direction;

a first main rope stretched between the pair of first poles;

a second main rope stretched between the pair of second poles;

a first pole support member fixed to a first fixation member selected among the right support pillar, the left support pillar and the plurality of pipes of the first unit boom and supporting a first pole that is closer to the second unit boom among the pair of first poles;

a second pole support member fixed to a second fixation member selected among the right support pillar, the left support pillar, and the plurality of pipes of the second unit boom and supporting a second pole that is closer to the first unit boom among the pair of second poles;

a first connection member fixed to the first fixation member;

a second connection member fixed to the second fixation member;

a first stay rope stretched between the first pole supported by the first pole support member and the second connection member; and

a second stay rope stretched between the second pole supported by the second pole support member and the first connection member.

2. The ~~handrail device~~work machine according to claim 1, wherein the first pole support member and the first connection member are integrally joined with each other.

3. The ~~handrail device~~work machine according to claim 1 or 2, wherein the second pole support member and the second connection member are integrally joined with each other.

4. The ~~handrail device~~work machine according to any one of claims 1 to 3, wherein the first connection member is disposed at a position closer to the second unit boom than the first pole support member.

5. The ~~handrail device~~work machine according to any one of claims 1 to 4, wherein the second connection member is disposed at a position closer to the first unit boom than the second pole support member.

6. The ~~handrail device~~work machine according to any one of claims 1 to 5, wherein the first connection member has a length direction that coincides with a direction in which the second stay rope is stretched.

7. The ~~handrail device~~work machine according to any one of claims 1 to 6, wherein the second connection member has a length direction that coincides with a direction in which the first stay rope is stretched.

~~8. The handrail device according to any one of claims 1 to 7, wherein the first fixation member is a first pipe that is selected among the plurality of pipes included in the first unit boom, and a first joint at which the first connection member and the second stay rope are connected to each other is located at a position equivalent to one end of opposite ends of an outer periphery of the first pipe, the one end being closer to the second unit boom than the other end of the outer periphery of the first pipe, or at a position on an inner side of the one end in the first pipe.~~

~~9. The handrail device according to any one of claims 1 to 8, wherein the second fixation member is a second pipe that is selected among the plurality of pipes included in the second unit boom, and a second joint at which the second connection member and the first stay rope are connected to each other is located at a position equivalent to one end of opposite ends of the outer periphery of the second pipe, the one end being closer to the first unit boom than the other end of the outer periphery of the second pipe, or at a position on an inner side of the one end in the second pipe.~~

~~10. A work machine comprising:~~

~~a boom capable of being raised and lowered; and~~

~~a handrail device according to any one of claims 1 to 9, wherein~~

~~the boom includes a plurality of unit booms to be connected to each other in a state of being aligned in a boom length direction that is a length direction of the boom, the plurality of unit booms including a first unit boom and a second unit boom that are adjacent to each other in the boom length direction, each of the first unit boom and the second unit boom including a right support pillar and a left support pillar which are spaced in a boom width direction which is a width direction of the boom, the width direction being orthogonal to the boom length direction, each of the right support pillar and the left support pillar extending in the boom length direction, and a plurality of pipes which extend in the boom width direction between opposite ends of the right support pillar in the boom length direction and opposite ends of the left support pillar in the boom length direction, respectively, to interconnect the right support pillar and the left support pillar.~~