CLAIMS

1. A work machine, comprising:

a self-propelling vehicle body;

a boom attached to the vehicle body so as to be capable of elevated and depressed motions;

a middle arm rotatably connected to a tip side of the boom;

an arm rotatably connected to the tip side of the middle arm;

a working tool attached to the tip side of the arm;

a boom cylinder attached between the vehicle body and the boom;

a middle arm cylinder attached between the boom and the middle arm; and

an arm cylinder attached between the middle arm and the arm,

wherein the middle arm is bisected into a first middle arm and a second middle arm, the first middle arm being rotatably connected to the tip side of the boom, and one end part of the middle arm cylinder being attached to the first middle arm, the second middle arm being rotatably connected to a rear end side of the arm, and one end part of the arm cylinder being attached to the second middle arm,

the first middle arm and the second middle arm are connected to each other at two positions by an inner pivot pin and an outer connection pin, the pivot pin being prevented from falling out, the connection pin being extractable, and

when the connection pin is extracted from the first middle arm and the second middle arm, and the second middle arm is rotated around the pivot pin with respect to the first middle arm, the second middle arm and the arm are stored below the boom through the first middle arm;

wherein a connection cylinder is attached between the boom and the second middle arm, and

the connection cylinder is locked to a contracted state when the second middle arm is in a folding motion with respect to the first middle arm.

2. A work machine, comprising:

a self-propelling vehicle body;

a boom attached to the vehicle body so as to be capable of elevated and depressed motions;

a middle arm rotatably connected to a tip side of the boom;

an arm rotatably connected to the tip side of the middle arm;

a working tool attached to the tip side of the arm;

a boom cylinder attached between the vehicle body and the boom;

a middle arm cylinder attached between the boom and the middle arm;

an arm cylinder attached between the middle arm and the arm;

wherein the middle arm is bisected into a first middle arm and a second middle arm, the first middle arm being rotatably connected to the tip side of the boom, and one end part of the middle arm cylinder being attached to the first middle arm, the second middle arm being rotatably connected to a rear end side of the arm, and one end part of the arm cylinder being attached to the second middle arm,

the first middle arm and the second middle arm are connected to each other at two positions by an inner pivot pin and an outer connection pin, the pivot pin being prevented from falling out, the connection pin being extractable, and

when the connection pin is extracted from the first middle arm and the second middle arm, and the second middle arm is rotated around the pivot pin with respect to the first middle arm, the second middle arm and the arm are stored below the boom through the first middle arm;and

further comprising a connection arm capable of connecting the boom and the second middle arm to each other,

wherein the connection arm is connected between the boom and the second middle arm when the second middle is in a folding motion with respect to the first middle arm.

3. The work machine according to one of claims 1 and 2,

wherein the connection pin is rotatably connected to an actuation cylinder via at least one link; and

wherein the connection pin is configured to connect or disconnect the first middle arm and the second middle arm to/from each other according to an extension state or a contracted state of the actuation cylinder.