CLAIMS

1. A leg massager, comprising:

a lower massaging system for massaging a massage target area of user's leg including at least user's foot;

an upper massaging system for massaging an upper massage target area located above the massage target area which is massaged by the lower massaging system;

a rockably supporting system that supports the upper massaging system for rocking motion in a front-rear direction about a right-left horizontal axis; and

a vertically moving system that permits up-and-down movement of the upper massaging system,

wherein the rockably supporting system is situated above the vertically moving system, and rockably supports base-end sides of a pair of first massaging members included in the upper massaging system via a right-left horizontal rock shaft so as to:

enable front-end sides of the pair of first massaging members to be raised rearward; and

enable the pair of first massaging members, while holding the user's leg therebetween, to rock in the front-rear direction, and

wherein the rockably supporting system comprises:

a rockably supporting member that supports the upper

massaging system to permit rocking motion of the upper massaging system in the front-rear direction;

the right-left horizontal rock shaft whose axis extends in the right-left horizontal direction;

a drive shaft whose axis extends in the right-left horizontal direction, the drive shaft being disposed in a location other than the location of the rock shaft;

a rock driver to rotatably drive the drive shaft; and

a rock converter to convert a rotational driving force exerted by the drive shaft into the rocking motion of the upper massaging system.

2. The leg massager according to claim 1,

wherein the pair of first massaging members are each provided at an inner wall thereof with a rotatable pressing member that is rotatable about an axis extending toward the rock shaft of the first massage member, and

wherein the pair of first massaging members are each covered with a cover member, and the rotatable pressing member is passed through the cover member and is exposed outward of the cover member.

3. The leg massager according to claim 2,

wherein the rotatable pressing members rotate as the pair of first massaging members, while holding the user's

leg therebetween, perform up-and-down movement or rock motion in the front-rear direction.

4. The leg massager according to claim 1,

wherein the rockably supporting system is configured to cause the pair of first massaging members to reach a forward-leaning position where they are folded forward toward a pair of second massaging members included in the lower massaging system, at which time the pair of first massaging members are in a position with their front-end sides directed forward.

5. The leg massager according to claim 4,

wherein the rockably supporting system is configured to raise the pair of first massaging members, with their front-end sides moved away from the pair of second massaging members included in the lower massaging system, at which time the pair of first massaging members are in an obliquely upward and forward-facing position where they face obliquely upward and forward.

6. The leg massager according to claim 4,

wherein the rockably supporting system is configured to raise the pair of first massaging members rearward, with their front-end sides moved away from the pair of second

massaging members included in the lower massaging system, at which time the pair of first massaging—members are in an obliquely upward and rearward-facing position where they face obliquely upward and rearward.

7. The leg massager according to claim 1,

wherein the rockably supporting system is configured to cause the pair of first massaging members to reach a forward-leaning position where they are folded forward toward a pair of second massaging members included in the lower massaging system, and the vertically moving system is configured to cause the pair of first massaging members in the forward-leaning position to move upward, at which time the pair of first massaging members are in a position with their front-end sides directed forward.

8. The leg massager according to claim 1,

wherein the vertically moving system is configured to move the pair of first massaging members upward to an upper position, and the rockably supporting system is configured to cause the pair of first massaging members in the upper position to rock upward, at which time the pair of first massaging members are in an obliquely upward and forward-facing position where they face obliquely upward and forward.

9. The leg massager according to claim 1,

wherein the vertically moving system is configured to move the pair of first massaging members upward to an upper position, and the rockably supporting system is configured to cause the pair of first massaging members in the upper position to rock upward and rearward, at which time the pair of first massaging members are in an obliquely upward and rearward-facing position where they face obliquely upward and rearward.

10. The leg massager according to any one of claims 4 to 9,

wherein the rockably supporting system is configured to rock the pair of first massaging members in a manner permitting changing of their position from the forward-leaning position to the obliquely upward and forward-facing position, and from the obliquely upward and forward-facing position to the obliquely upward and rearward-facing position.

11. The leg massager according to claim 1, further comprising:

a stop mechanism configured to stop the vertically moving system upon the pair of first massaging members reaching a predetermined position during their upward

movement.

12. The leg massager according to claim 11,

wherein the stop mechanism comprises: an upper detector to detect an arrival of the upwardly-moving first massaging members at the predetermined position; and a stopper to stop the vertically moving system in accordance with a result of detection by the upper detector.

13. The leg massager according to claim 1, further comprising:

a safety mechanism configured to stop the vertically moving system and/or the rockably supporting system during a downward movement of the pair of first massaging members if there is a hindrance to the downward movement of the pair of first massaging members.

14. The leg massager according to claim 13,

wherein the safety mechanism comprises: a lower detector to detect a hindrance to the downward movement of the pair of first massaging members; and a stopper to stop the vertically moving system and/or the rockably supporting system in accordance with a result of detection by the lower detector.

15. The leg massager according to claim 4,

wherein the pair of first massaging members are allowed to move upward, move downward, or tilt in a condition where user’s foot is held between the pair of second massaging members.

16. The leg massager according to claim 2 or 3,

wherein the pair of first massaging members are each shaped in an elongated plate,

wherein each first massaging member is provided at its mid-portion with the corresponding rotatable pressing member, which is free to rotate about an axis pointing in a direction longitudinally of the first massaging member, for producing rotational pressure to perform pressing massage on user’s leg as a massage target.

17. The leg massager according to claim 1,

wherein the rockably supporting system comprises a rock motor, and is configured to rotate the rock shaft by a driving force of the rock motor so as to raise the front-end sides of the pair of first massaging members included in the upper massaging system rearward.