LOWER LIMB VIBRATION DEVICE, AND HIP JOINT STIMULATION METHOD

ABSTRACT

Disclosed is a lower limb bouncing device capable of causing knee bouncing motion by stimulating the hip joint, or base end of a lower limb, while allowing the lower leg, or terminal end of the lower limb, to relax. The lower limb bouncing device 1 includes: a flap 2 on which a heel 41 of a foot 4 is to be placed; and a motor 3 coupled to the flap 2. The flap 2 is configured so that a heel resting surface 21 thereof is swung up and down by a driving force of the motor 3, but does not fall below a minimum height position that is not more than 4 cm above a floor surface G on which toes 42 are to be placed. The motor 3 includes: an output axis 32 on which an eccentric cam 34 is provided; and a pivotable plate 6 sitting on the eccentric cam 34. The pivotable plate 6 has an end thereof pivotally attached so as to be pivotable. The flap 2 is disposed on a side of an enclosure so that the heel 41 can be placed at a minimum height position that is not more than 4 cm above the floor surface G when the foot 4 is placed on the floor surface G on which the enclosure 50 is disposed. The flap 2 is connected to another end of the pivotable plate 6 so as to be swung up and down by the pivotable plate 6 pivoting up and down around the pivotally attached end in response to rotation of the eccentric cam 34.

Selected Drawing: Figure 1