



DYNAMIC BODY-BUILDING CABIN



BACKGROUND OF THE INVENTION

(a) Field of the Invention

5 The present invention mainly provides a cabin structure, which enables a user to sit or lie down on the seat and to be sheltered and irradiated by heat effect from an infra-red projector in the cabin. Especially, at the same time while proceeding heat effect of far infra-red irradiation, the user is able to do leg exercise through a treadmill device for achieving the effects of exercising and body sculpting by
10 quickening blood circulation, consuming calories and fats and increasing sweating.

(b) Description of the Prior Art

Heat effect of far infra-red irradiation helps increase blood circulation, reduce pains and muscle spasms; where non-heat effect of far infra-red utilizes
15 synchronous resonance of both biological tissues and light wave for enhancing membrane permeability, cell metabolism, and protein anabolism. Far infra-red enhances blood circulation of a human body, prevents soreness and discomfort, eliminate fatigue, and prevents disasters. Moreover, it achieves the effects of weight loss and body sculpting owing to increase of internal metabolism and
20 elimination of fats and obesity through heat effect that is generated by electromagnetic wave of far infra-red. Therefore, general health clubs provide a

kind of sculpting cabin with the function of far infra-red irradiation for a user to lie down and rest, and at the same time, to achieve the effect of body sculpting through far infra-red irradiation inside the cabin.

However, the kind of sculpting cabin structure merely enables a user to lie down
5 still within the cabin without extra motion effect, so that a user is unable to actively do exercise to enhance body functions, but passively accepts far infra-red irradiation. Hence, the function of this kind of sculpting cabin is only within the limit of far infra-red irradiation effect.

SUMMARY OF THE INVENTION

10 Therefore, the primary objective of the present invention is to achieve the effects of exercising and body sculpting by quickening blood circulation, consuming body fat and increasing sweating when a user is irradiated by far infra-red heat and simultaneously doing leg exercise through a treadmill device, which is installed at the central position on one side of the cabin covers thereof
15 corresponding with the cabin base.

The second objective of the present invention is to play related exercise training videos for a user to follow or other entertainment videos through a screen of a multi-media device, which can be installed on a stand of the cabin base.

Another objective of the present invention possesses both a main wheel that
20 enables a user to pedal footrests for rolling and an auxiliary wheel that can adjust the rolling resistance thereof.

The other objective of the present invention is to combine the auxiliary wheel and a supporting sprocket to increase rolling resistance from the supporting sprocket to the auxiliary wheel.

One other objective of the present invention fixes a magnetic band on the rim
5 and some magnets on its flange and there are tuned liquid dampers connecting to those magnets. Linking respective tuned liquid dampers to a power is to adjust magnetic pole strength among those magnets and the magnetic band of the auxiliary wheel by controlling the power and electric current. It further achieves the effect of controlling rolling resistance of the auxiliary wheel.

10 BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is an outlook structural drawing of the present invention.

FIG. 2 is an exploded drawing of the present invention.

FIG. 3 is a schematic drawing illustrating the state of employment of the present invention.

15 FIG. 4 is a cross-sectional view illustrating the structure of cabin covers and cabin base according to the present invention.

FIG. 5 is a schematic drawing illustrating the structural representation of the treadmill device according to the present invention.

BRIEF DESCRIPTION OF THE DRAWINGS

20 FIG. 1 is an outlook structural drawing of the present invention.

FIG. 2 is an exploded drawing of the present invention.

FIG. 3 is a schematic drawing illustrating the state of employment of the present invention.

FIG. 4 is a cross-sectional view illustrating the structure of cabin covers and cabin base according to the present invention.

5 FIG. 5 is a schematic drawing illustrating the structural representation of the treadmill device according to the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

The structure of the present invention as shown in both FIG. 1 and in FIG. 2 includes a base 1 that is the main frame to sustain respective functional
10 components. The cabin base 1 has cabin-sliding rails 11 thereon for moving cabin covers 2, a seat-sliding rail 12 for sliding a user seat 3 and a stand 13 for establishing a treadmill device 4. The stand 13 is installed at the central position on one side of cabin covers 2 corresponding with the cabin base 1 and extends upward; cabin covers are set on the cabin base 1.

15 The above-mentioned cabin covers 2 are cabin structures that establish far infra-red projectors 22 inside the cabin. The bottom of cabin covers 2 include guide wheels 21 installed on the cabin-sliding rails 11 and the front side of cabin covers 2 have handgrips 23 that enables a user to hold on. With reference to FIG. 4, cabin covers 2 connecting to the cabin base 1 are capable of adjusting sliding
20 motions on the cabin base 1 through movements of guide wheels 21 and cabin-sliding rails 11.

Moreover, there is a user seat 3 on the cabin base 1 for a user to recline thereon.

The user seat 3 is installed on the seat-sliding rail 12 of the cabin base 1 and there is a first liquid cylinder 31 installed between the back of the seat 3 and the cabin base 1 for an adjustment of an incline of the seat 3. There is a second liquid cylinder 32 installed between the cabin base of the seat 3 and the cabin base 1 for sliding the seat 3 back and forth. As for the treadmill device 4 on the stand 13 of the cabin base 1, there is a main wheel 41 that enables a user to pedal footrests 411 for rolling and an auxiliary wheel 42 that can adjust rolling resistance.

Therefore, a user is able to lean on the seat as shown in FIG. 3 and be sheltered in cabin covers 2 for proceeding heat effect of irradiation on the body by the far infra-red projector 22. The user is capable of doing leg exercise on pedaling the treadmill device 4 accommodating to the irradiation on the body, so as to achieve the effects of exercise and body sculpting by quickening blood circulation, consuming body fat and increasing sweating. Particularly, a multi-media device 5 can be installed on the stand 13 of the cabin base 1 and a screen 51 of the multi-media device 5 plays related exercise training videos for a user to follow or dramatic and musical videos for entertainment.

The auxiliary wheel 42 fixes a magnetic band 421 on the rim thereof and a plurality of magnets 422 on the flange thereof and there are tuned liquid dampers 423 connecting to said magnets 422 thereof. Linking respective tuned liquid dampers 423 to a power 424 is to adjust magnetic pole strength among those

magnets 422 and the magnetic band 421 of the auxiliary wheel 42 by controlling the power 424 and electric current. It further achieves the effect of controlling the resistance of rolling groups in the auxiliary wheel 42.

This present invention mainly has a treadmill device, which is installed at the central position on one side of cabin covers corresponding with the cabin base. It aims at achieving the effects of exercising and body sculpting by quickening blood circulation, burning body fat and increasing sweating, when a user is irradiated by far infra-red heat inside the cabin and doing leg exercise himself / herself. Particularly, a multi-media device can be optionally installed on a stand of the cabin base and a screen of the multi-media device is capable of playing related exercise training videos for a user to follow or other dramatic and musical videos for entertainment. Therefore, the invention in the form of a feasible body-building cabin structure for making an application to a new patent according to related laws is disclosed herein.

15

20

What is claimed is:

1. A dynamic body-building cabin comprising:

a base is the main frame to sustain respective components and has cabin-sliding rails thereon for moving cabin covers, a seat-sliding rail for sliding a user seat
5 and a stand for establishing a treadmill device; the stand is installed at the central position on one side of cabin covers corresponding with the cabin base and extends upward;

a cabin covers is a cabin structure that establishes far infra-red projectors inside, wherein, the bottom of cabin covers include guide wheels installed on the
10 cabin-sliding rails to adjust sliding motions on the cabin base through movements of guide wheels and cabin-sliding rails;

a user seat is installed on the seat-sliding rail of the cabin base; a first liquid cylinder installed between the back of the seat and the cabin base for an adjustment of an incline of the seat; a second liquid cylinder installed between
15 the cabin base of the seat and the cabin base for moving the seat back and forth;

a treadmill device is on the stand of the cabin base; wherein, the treadmill device has a main wheel that enables a user to pedal footrests for rolling and an auxiliary wheel that can adjust rolling resistance;

a user is capable of leaning on the seat and to be sheltered in cabin covers for
20 proceeding heat effect of irradiation on the body by the far infra-red projector, and doing leg exercise on pedaling the treadmill device accommodating to the

irradiation on the body, so as to achieve the effects of exercise and body sculpting by quickening blood circulation, consuming body fat and increasing sweating.

2. The dynamic body-building cabin according to claim 1, wherein the cabin
5 base enables a multi-media device to be optionally installed on the stand of the cabin base; a screen of the multi-media device plays related exercise training videos for a user to follow or plays dramatic and musical videos for entertainment.

3. The dynamic body-building cabin according to claim 1, wherein both the main
10 wheel and the auxiliary wheel of the treadmill device are transmitted through a chain; the auxiliary wheel fixes a magnetic band on the rim thereof, a plurality of magnets on the flange thereof and there are tuned liquid dampers connecting to said magnets; linking tuned liquid dampers to a power is to adjust magnetic pole strength among said magnets and the magnetic band of the auxiliary wheel by
15 controlling the power and electric current in order to achieve the effect of controlling the resistance of rolling groups in the auxiliary wheel.

4. The dynamic body-building cabin according to claim 1, wherein the auxiliary wheel combines with a supporting sprocket, which forms increasingly rolling resistance to the auxiliary wheel.

20 5. The dynamic body-building cabin according to claim 1, wherein the cabin base possesses handgrips at the front end thereof for a user to hold on.