An assembly type skateboard-ramp includes several groups of ramp, two sides of which have swallow-tailed tongue and groove joints respectively. The ramp has a curve face and an opposie vertical face. Each group of ramps has same form and gradually decreased size. The swallow-tailed tongues of ramps of a group are inserted in corresponding swallow-tailed grooves of ramps of another group. These skateboard-ramps can be assembled and disassembled.
ASSEMBLY TYPE SKATEBOARD-RAMP

FIELD OF THE INVENTION

[0001] The present invention relates to an instrument that is used in sports for the purpose of physical exercises and, more particularly, to an assembly type skateboard-ramp.

BACKGROUND OF THE INVENTION

[0002] A conventional skateboard-ramp is a complete unit, with a big volume, and cannot be contracted and folded, causing inconvenience to packaging and delivery of the ramp. Moreover, because it is big volume, it is not able to be lengthened, thus limits jump-over height of the skaters, shortens their action time in the air and finally impacts the quality of their performance in the air.

[0003] Therefore the forementioned skateboard-ramp has a number of disadvantages and needs to be improved.

[0004] In order to get rid of the forementioned disadvantages, the inventor, based on his rich experience and expertise, has conducted research and innovation, by means of continuous study and design, and repeatedly making samples and modifying them, finally brought about this invention with practical use.

SUMMARY OF THE INVENTION

[0005] For the purpose of overcoming the limitations of the existing skateboard-ramps and providing an assembly skateboard-ramp with new structure, the present invention addresses the main technical issue by dividing the skateboard-ramp into several groups of ramps, which can be assembled to a whole assembly skateboard-ramp. Meanwhile, every group of ramp can be disassembled and inserted to another group so that the volume of the whole ramp will be reduced and thus brings convenience to the delivery. What is more, the ramp can be lengthened by comprising several groups of ramps together to enhance the skater’s jump height and prolong the performance time in the air.

[0006] The following methods were used in the present invention to solve the main technical issues. An assembly type skateboard-ramp according to the present invention mainly comprises: a skateboard-ramp (1), a skateboard-ramp (2), a skateboard-ramp (3) and a skateboard-ramp (4), at each end of any one of the four skateboard-ramps, 1, 2, 3, and 4, swallow-tailed grooves 11, 21, 31 and 41 and swallow-tailed tongues 12, 22, 32, and 42 are provided; the swallow-tailed tongues 32 of ramp 3 are inserted into the swallow-tailed grooves 41 of ramp 4; the swallow-tailed tongues 22 of ramp 2 are inserted into the swallow-tailed grooves 31 of ramp 3; the swallow-tailed tongues 12 of ramp 1 are inserted into the swallow-tailed grooves 21 of ramp 2. An integrated skateboard-ramp is formed by assembling separated skateboard-ramps.

[0007] The disadvantages of the existing skateboard-ramp can also be overcome by the following technical solutions of the present invention.

[0008] The aforementioned assembly type skateboard-ramp, wherein the other two sides of skateboard-ramp 1, 2, 3 and 4, were set to be curves 13, 23, 33, 43 in the same radian on one side, and vertical faces 14, 24, 34, 44 on the other. Different skateboard-ramps are connected in sequence.

[0009] Specific implementations of the present invention are described with reference to the following embodiments and the drawings attached therewith.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010] FIG. 1(a): the assembly drawing of the Assembly Type Skateboard-ramp in process of installation;

[0011] FIG. 1(b): the assembly drawing of the Assembly Type Skateboard-ramp after being assembled;

[0012] FIG. 2(a): the main sectional drawing of the skateboard-ramp 1;

[0013] FIG. 2(b): the right sectional drawing of the skateboard-ramp 1;

[0014] FIG. 2(c): the left sectional drawing of the skateboard-ramp 1;

[0015] FIG. 3(a): the main sectional drawing of the skateboard-ramp 2;

[0016] FIG. 3(b): the right sectional drawing of the skateboard-ramp 2;

[0017] FIG. 3(c): the left sectional drawing of the skateboard-ramp 2;

[0018] FIG. 4(a): the main sectional drawing of the skateboard-ramp 3;

[0019] FIG. 4(b): the right sectional drawing of the skateboard-ramp 3;

[0020] FIG. 4(c): the left sectional drawing of the skateboard-ramp 3;

[0021] FIG. 5(a): the main sectional drawing of the skateboard-ramp 4;

[0022] FIG. 5(b): the right sectional drawing of the skateboard-ramp 4;

[0023] FIG. 5(c): the left sectional drawing of the skateboard-ramp 4;

[0024] FIG. 6: the sketch map of the Assembly Type Skateboard-ramp in packaging.

PREFERRED EMBODIMENTS OF THE PRESENT INVENTION

[0025] With reference to the drawings and preferred embodiment, the specific implementation, the structure, the properties and the functions of an assembly type skateboard-ramp according to the present invention are illustrated in detail as follows.

[0026] The skateboard is a sports instrument for exercise and performance that is widely used in skating. Meanwhile, a skateboard-ramp is an instrument that helps skater to perform multiple actions. A skater can jump by means of the skateboard ramp to perform actions, such as somersault and turn over in the air.

[0027] Refer to FIG. 2, 3, 4, and 5, the assembly type skateboard-ramp according to the present invention mainly comprises: skateboard-ramp 1, skateboard-ramp 2, skateboard-ramp 3, skateboard-ramp 4, etc. At both ends of ramp 1, 2, 3, and 4, there are swallow-tailed grooves 11, 21, 31 and 41 and swallow-tailed tongues 12, 22, 32, and 42. Each ramp...
has similar shape, but in gradually decreased size (shown in drawing 3, 4, and 5). In the other two sides of ramp 1, 2, 3 and 4, there are curves 13, 23, 33, and 43 in the same radian and vertical faces 14, 24, 34, and 44.

[0028] With reference to FIG. 1, during the assembling of a skateboard-ramp, the swallow-tailed tongues 32 of ramp 3 are inserted into the swallow-tailed grooves 41 of ramp 4; the swallow-tailed tongues 22 of ramp 2 are inserted into the swallow-tailed grooves 31 of ramp 3; the swallow-tailed tongues 12 of ramp 1 are inserted into the swallow-tailed grooves 21 of ramp 2. Analogically, a skateboard-ramp can be disassembled into several groups of ramps, and several groups of ramps can also be assembled into an integrated skateboard-ramp.

[0029] As shown in FIG. 6, several groups of ramps can be torn down during the packaging and delivery. The smaller ones can be loaded under the bigger ones so that the volume of ramp can be reduced for packaging and delivery.

Industrial Application

[0030] Compared with the existing technology, the invention has significant advantages and good effects. Based on the above-mentioned technical solution, the assembly type skateboard-ramp according to the present invention can be divided into many groups to bring much convenience during delivery. Several groups of ramps, based on the users’ needs, can be integrated into a whole skateboard-ramp while they can also be divided into small ramps so that one group can be loaded into another one to reduce the volume of skateboard-ramp. As the skateboard ramp is formed by several sections, the ramp can be lengthened to increase the speed and the jump height of the skater, and prolong the perform time in the air.

[0031] In conclusion, compared with the existing skateboard-ramp, the present invention makes significant improvement not only in the structure and function but also in the technology. It brings about practical usability and provides improved efficacy. It is a practical new design involving novelty and inventive step.

[0032] Although preferred embodiments of the present invention have been described for illustrative purposes, those skilled in the art will understand that various modifications, additions and substitutions are possible, without departing from the scope and spirit of the invention as disclosed in the accompanying claims.

What is claimed is:

1. An assembly type skateboard-ramp comprising: a skateboard-ramp (1), skateboard-ramp (2), skateboard-ramp (3), skateboard-ramp (4); at each end of any one of the four skateboard-ramps, 1, 2, 3, and 4, swallow-tailed grooves 11, 21, 31, 41 and swallow-tailed tongues 12, 22, 32, 42 are provided; the swallow-tailed tongues 32 of ramp 3 are inserted into the swallow-tailed grooves 41 of ramp 4; the swallow-tailed tongues 22 of ramp 2 are inserted into the swallow-tailed grooves 31 of ramp 3; the swallow-tailed tongues 12 of ramp 1 are inserted into the swallow-tailed grooves 21 of ramp 2; an integrated skateboard-ramp is formed by assembling separated skateboard-ramps;

2. The assembly type skateboard-ramp as claimed in claim 1, wherein the other two sides of the aforementioned skateboard-ramp 1, 2, 3 and 4, one set as curve face 13, 23, 33 and 43 with the same radian; the other is set as vertical face 14, 24, 34 and 44, different skateboard-ramps are connected together in sequence.

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