



## **Easy to carry badminton batting position trainer**

**TANG YONG**

*Hunan University of Humanities, Science and Technology*

**Abstract:** The utility model provides a simple training device for carrying the position of a badminton batting point. It includes a vertical support rod, Skew support rod, line rope, badminton, The bottom end of the vertical support rod is fixed to the transverse plastic clip; The middle part of the vertical support rod is provided with a winding tube; A first pulley and a second pulley are arranged on the oblique support rod. The wire rope is wound on the winding tube, Through the first pulley and the second pulley, The end is fixed to the badminton. The utility model has a simple and light structure, Easy to carry, The position of the badminton batting point can be controlled arbitrarily, This makes it easier for different groups of people to practice badminton batting points better.

**Keywords:** Simple carrying, Badminton hitting point, training aids

### **I. background technology**

Badminton is one of the sports interest enthusiasts, but also one of the many sports events. For the majority of badminton beginners, especially for young badminton trainers, the high distance ball hit point position, the net technical point position point is very difficult to find, not to play the ball, the problem of missing the ball is relatively big. Although there is this kind of equipment, it is too heavy to move and carry, and it is not convenient to move and put in the field. It is very difficult to find the position of the technical hitting point in front of the net, and the trainees cannot combine the training with the field, so it is difficult to master the strength of the training.

### **II. Technical areas**

The utility model relates to a training device, in particular to simply carrying a badminton batting point position trainer.

### **III. Content of utility model**

The purpose of the utility model is to provide a simple training device for carrying the position of a badminton batting point in view of the above problems, It solves the problem that the training device of badminton batting point is too heavy to carry easily and the position of badminton batting point cannot be controlled arbitrarily.

In order to achieve the above purpose, the technical proposal of the utility model is as follows: The utility model comprises a vertical support rod (2), an oblique support rod (6), a line rope (5), a badminton (10), which is characterized in that the bottom end of the vertical support rod (2) is fixed to a transverse plastic clip (1); the middle part of the vertical support rod (2) is provided with a reel tube (4). A first pulley (7) and a second pulley (8) are arranged on the oblique support rod (6), and the wire rope (5) is wound on the take-up tube (4) through the first pulley (7) and the second pulley (8), the end of which is fixed to the badminton (10).

Further, the vertical support rod (2) and the oblique support rod (6) are both telescopic rods; the vertical support rods (2) and the oblique support rods (6) are both composed of at least two sections, one of which



retracts and adjusts the length in the other section, And the inside of another section is provided with a non-slip layer to achieve expansion.

Further, a longitudinal plastic clamp (3) is arranged in the middle of the vertical support rod (2).

Further, the inclined support rod (6) is provided with a first fixed shaft (601) and a second fixed shaft (602), the first fixed shaft (601) is fixed with a first pulley (7), and the second fixed shaft (602) is fixed with a second pulley (8).

Further, a fixed clamp (11) is arranged on the second pulley (8).

Further, a heavy metal strip (9) is arranged on the wire rope (5).

The utility model has the advantages of simple and light structure, convenient carrying and arbitrary control of the position of the badminton batting point, thus facilitating different people to better practice the badminton batting point.

Attached map explain

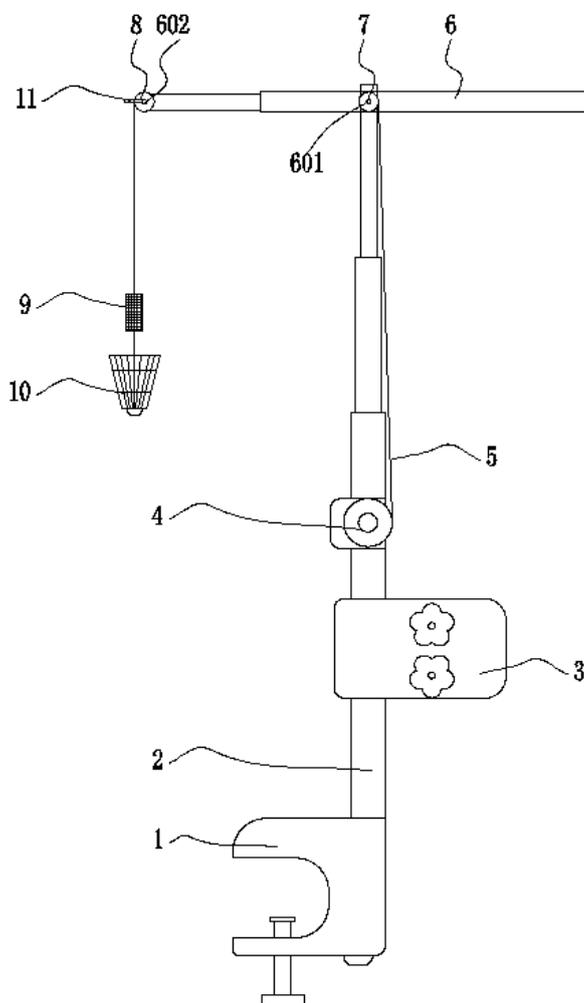


Fig. 1 is a schematic diagram of the utility model.

The characters in the drawing are as follows: 1, transverse plastic clip; 2, vertical support rod; 3, longitudinal plastic clip; 4, take-up tube; 5, line rope; 6, inclined support rod; 7, first pulley; 8, second pulley; 9,



heavy metal strip; 10, badminton; 11, fixed clamp; 601, first fixed shaft; 602, second fixed shaft.

#### **IV. Implementation modalities**

In order to make the technical scheme of the utility model better understood by the technical personnel in the art, the following detailed description of the utility model is carried out in combination with the attached drawings, and the description of this part is merely exemplary and explanatory. The scope of protection of the utility model shall not be restricted in any way.

As shown in figure 1, the specific structure of the utility model is as follows: The utility model comprises a vertical support rod 2, an oblique support rod 6, a line rope 5 and a badminton 10, which is characterized in that the bottom end of the vertical support rod 2 is fixed to a transverse plastic clip 1; the middle part of the vertical support rod 2 is provided with a reel tube 4; The inclined support rod 6 is provided with a first pulley 7 and a second pulley 8, and the wire rope 5 is wound on the take-up cylinder 4, passing through the first pulley 7 and the second pulley 8, and the end is fixed to the badminton 10.

The vertical support rod 2 and the oblique support rod 6 are both telescopic rods; the vertical support rod 2 and the oblique support rod 6 are composed of at least two sections, one of which adjusts the length in the other section. And the inside of another section is provided with a non-slip layer to achieve expansion.

The middle part of the vertical support rod 2 is provided with a longitudinal plastic clip 3.

A first fixed shaft 601 and a second fixed shaft 602 are arranged on the inclined support rod 6, respectively. The first fixed shaft 601 is fixed with a first pulley 7, and the second fixed shaft 602 is fixed with a second pulley 8.

A fixed clamp 11 is arranged on the second pulley 8.

The wire rope 5 is provided with heavy metal strip 9.

In practical use, the transverse plastic clip 1 can be clamped arbitrarily in a fixed position, and the longitudinal plastic clip 3 plays a further clamping role. The vertical support rod 2 and the oblique support rod 6 are freely telescopic, and the line rope 5 is fixed at one end of the badminton 10 through the first pulley 7 and the second pulley 8, and the other end is fixed and wound on the take-up tube 4, which can adjust the height of the badminton.

It should be noted that, in this article, the term "includes," or any other change in it, needs to be explained that, in this article, the term "includes," or any other variant thereof, is intended to cover non-exclusive inclusions, So that a process, method, item or device that includes a series of elements not only includes those elements, but also includes other elements that are not explicitly listed, or includes methods for this process, The element inherent in an article or equipment.

The principle and implementation of the utility model are expounded by a specific example in this paper. The explanation of the above example is only used to help understand the method and the core idea of the utility model. It should be pointed out that, due to the limited expression of words and the existence of infinite concrete structures objectively, for ordinary technical personnel in the field of technology, Without breaking away from the principle of the utility model, a number of improvements can be made, retouched or changed, and the technical characteristics can be combined in an appropriate manner; These improvements, changes or combinations, or the direct application of the concept and technical scheme of the utility model to other occasions without improvement, shall be regarded as the scope of protection of the utility model.