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(54) **ADJUSTABLE KETTLEBELL**

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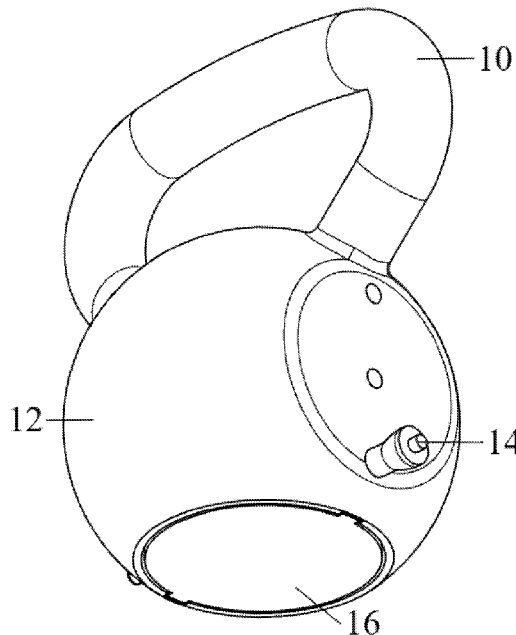
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(57) **ABSTRACT**

The invention provides a solution for adjusting the weight level of a kettlebell in a simple way to obtain much benefit in shipment, storage, etc. The embodiment of this selectorized kettlebell comprises a handle mounted to a body housing in which a plurality of weights is enclosed. The number of weights can be simply adjusted just by an elongated pin which enables desired number of weights being assembled.



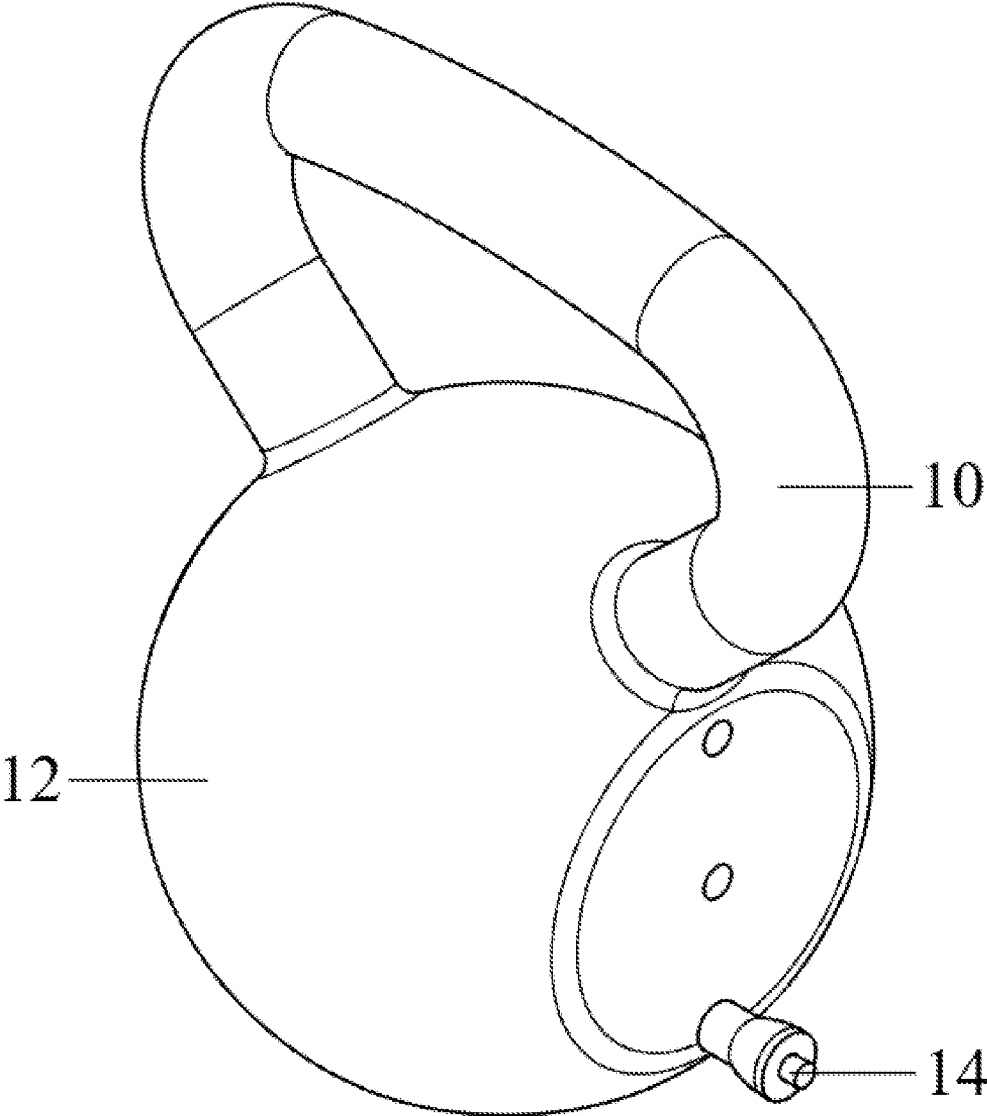


Figure 1

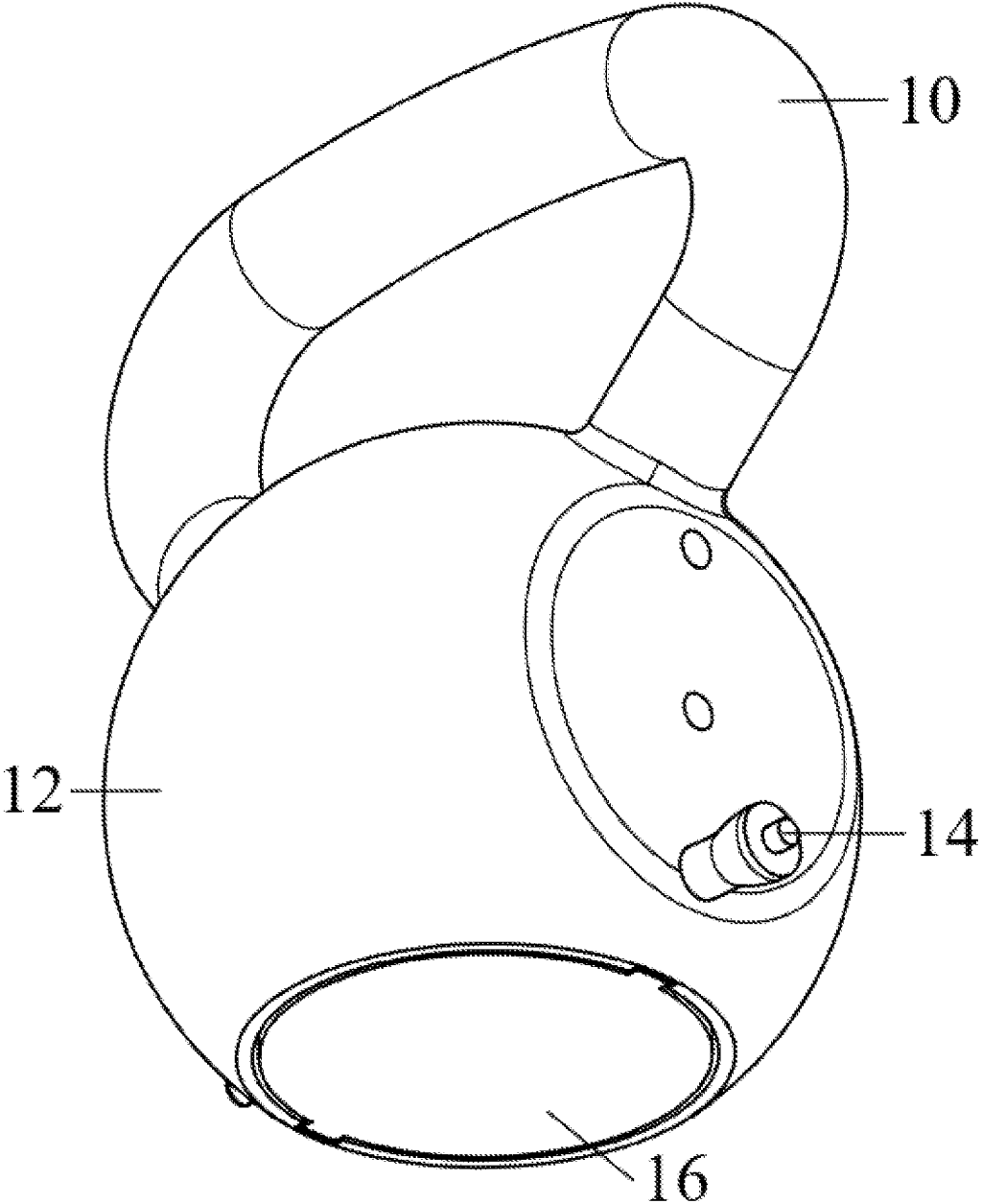


Figure 2

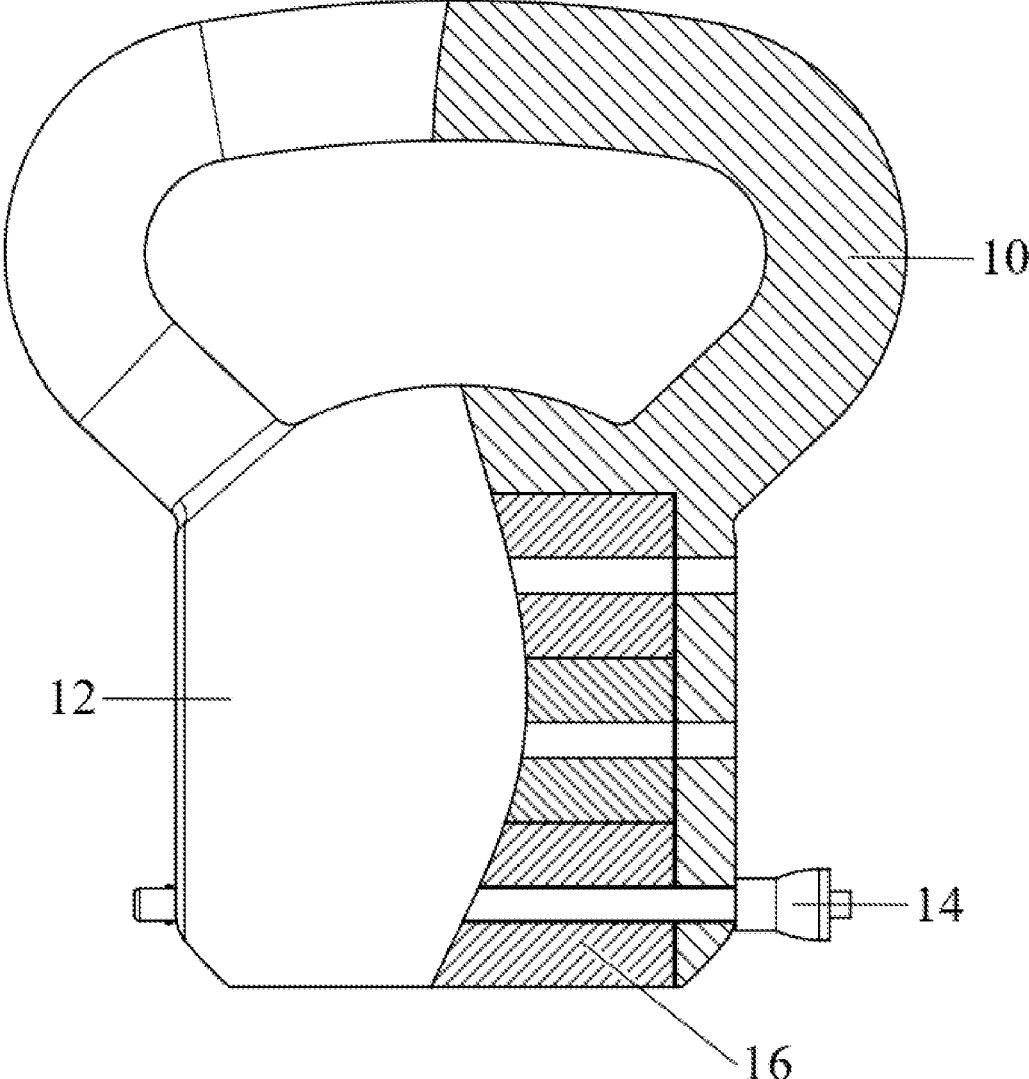


Figure 3

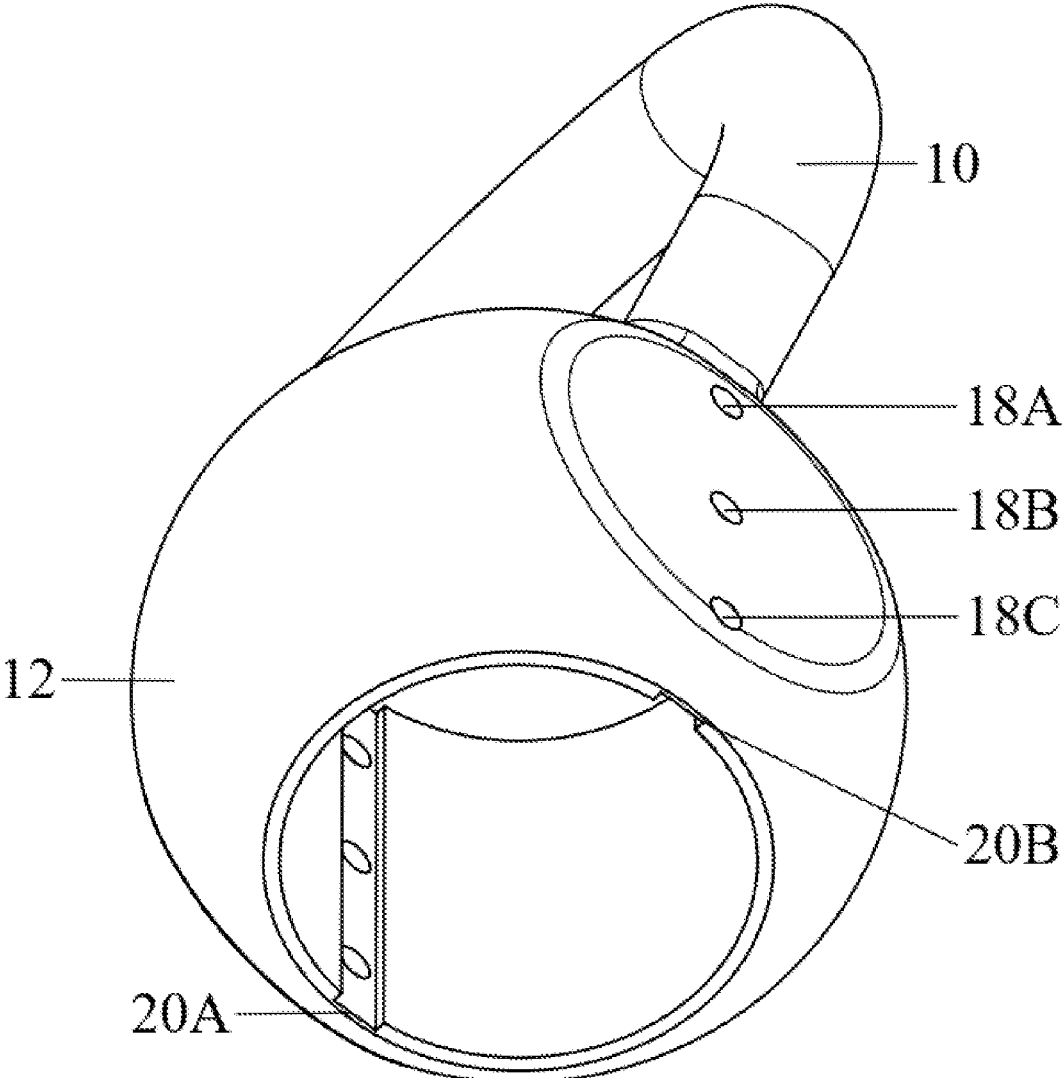


Figure 4

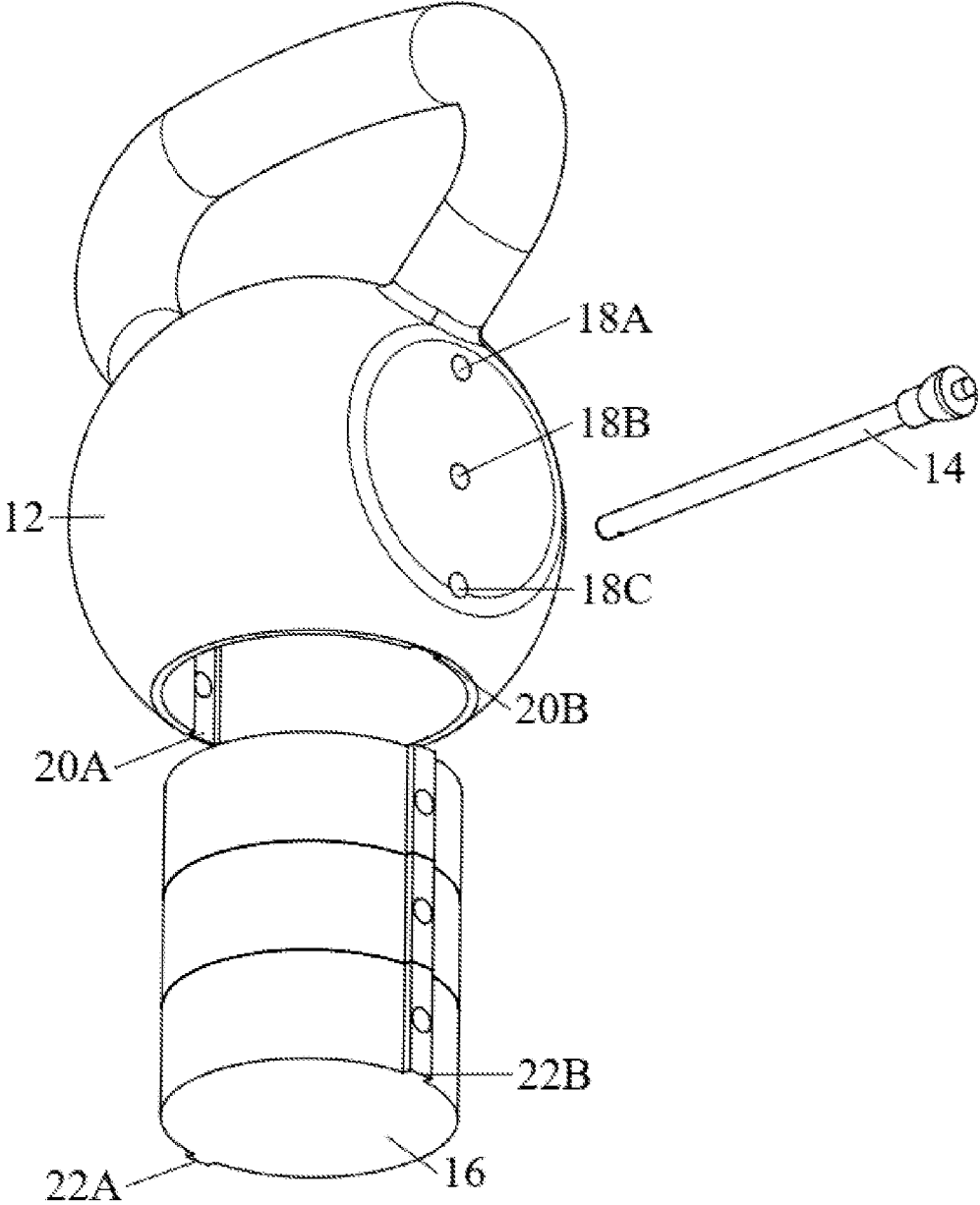


Figure 5

ADJUSTABLE KETTLEBELL

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- [0004] U.S. Pat. No. 9,802,073 B2, whose date is Oct. 31, 2017
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- [0007] U.S. Pat. No. 9,597,543 B2, whose date is Mar. 21, 2017
- [0008] U.S. Pat. No. 9,616,270 B2, whose date is Apr. 11, 2017
- [0009] U.S. Pat. No. 9,132,312 B2, whose date is Sep. 15, 2015
- [0010] U.S. Pat. No. 9,022,906 B1, whose date is May 5, 2015
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- [0016] U.S. Pat. No. 7,563,208 B1, whose date is Jul. 21, 2009
- [0017] U.S. Pat. No. 7,731,640 B1, whose date is Jul. 8, 2010
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- [0019] U.S. Pat. No. 7,976,443 B2, whose date is Jul. 12, 2011
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- [0021] U.S. Pat. No. 10,035,037 B2, whose date is Jul. 31, 2018
- [0022] U.S. Pat. No. 10,099,083 B1, whose date is Oct. 16, 2018
- [0023] U.S. Pat. No. D827,735 S, whose date is Sep. 4, 2018

BACKGROUND

[0024] The invention relates to exercise equipment. More particularly it is directed towards the technical field of an adjustable kettlebell.

BRIEF SUMMARY OF THE INVENTION

[0025] An adjustable kettlebell enables quickly changing different levels of weights due to capability of assembly different numbers of weights, respectively, and a simple lock mechanism to simplify and fasten the assembly manner.

BRIEF DESCRIPTION OF THE DRAWINGS

- [0026] FIG. 1 shows a front perspective view of an adjustable kettlebell.
- [0027] FIG. 2 shows a bottom perspective view of an adjustable kettlebell.
- [0028] FIG. 3 shows a front view of an adjustable kettlebell.
- [0029] FIG. 4 shows a bottom perspective view of an adjustable kettlebell without any weights.
- [0030] FIG. 5 shows how an adjustable kettlebell works.

DETAILED DESCRIPTION

- [0031] FIG. 1 shows an embodiment of an adjustable kettlebell, which clearly describes a handle 10 mounted to a body housing 12. The handle 10 is mounted on the top of the body housing 12 at two ends; from each end the loop starts to extends upwardly to form a hand grip shape. The weight of the kettlebell can be change by changing the position of a pin 14 that crosses through the kettlebell.
- [0032] FIG. 2 presents a bottom perspective view of the adjustable kettlebell showing the body housing 12 with a plurality of weights 16 inside. The bottom of the body housing 12 is flattened so that the kettlebell can be stably settled on the ground. There is a cavity in which the weights can be collectively assembled from the bottom of the body housing 12. The plurality of weights 16 is enclosed by the body housing 12. The weights are fixed inside the body housing 12 by the pin 14 which extends completely through the body housing 12 as in FIG. 3.
- [0033] FIG. 4 shows the cavity inside the body housing 12 that are made with a left groove 20A and a right groove 20B to make the weights fill in the cavity in the right way. On the right groove 20B there are three holes 18A, 18B and 18C set from upper to lower height of the body housing 12, respectively. These holes are through the lateral dimension to the opposite side of the body housing 12.
- [0034] FIG. 5 illustrates how to adjust the level of weight of the kettlebell. The plurality of weights 16 is set so that each weight is stacked on top of one another in the same direction, which means the left notch 22A contacts to the left groove 20A and the right notch 22B contacts to the right groove 20B, which makes the plurality of weights in the right position inside the body housing 12. The three holes 18A, 18B and 18C are made for three levels of weight. The pin 14 then slides to an arbitrary hole to lock the weights inside the cavity in a firm pose. The numbers of weights as well as the numbers of holes may be three or more, the embodiment is not limited thereto. The lower hole the pin 14 inserts, the higher weight the kettlebell achieves.

What is claimed is:

1. An adjustable kettlebell, comprising:
 - a. a handle assembly which comprises a body housing and an upwardly extended loop handle, wherein the body housing having a bottom cavity.
 - b. a plurality of weights vertically stacked on top of one another to be inserted within the cavity of the body housing, wherein each different level of weight of the kettlebell depends on the number of weights fixed in the cavity.
 - c. an elongated connecting member which can be inserted into different positions to fix a desired number of weights so that the weight level of the kettlebell can be adjustable.

2. The adjustable kettlebell of claim 1, wherein each weight of the plurality of weights has an elongated hole which extends completely through the lateral dimension so that the connecting member can be inserted.

3. The adjustable kettlebell of claim 1, wherein the cavity of the body housing has one or a number of grooves for the plurality of weights to be easily and firmly accessed, wherein one or a number of grooves extends completely through the vertical dimension of the cavity.

4. The adjustable kettlebell of claim 1, wherein each weight of the plurality of weights has one or a number of notches so that it can be easily attached and fixed inside the cavity, wherein one or a number of notches extends completely through the vertical dimension of the weight.

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