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(54) **FOUR RIVET PUCK**

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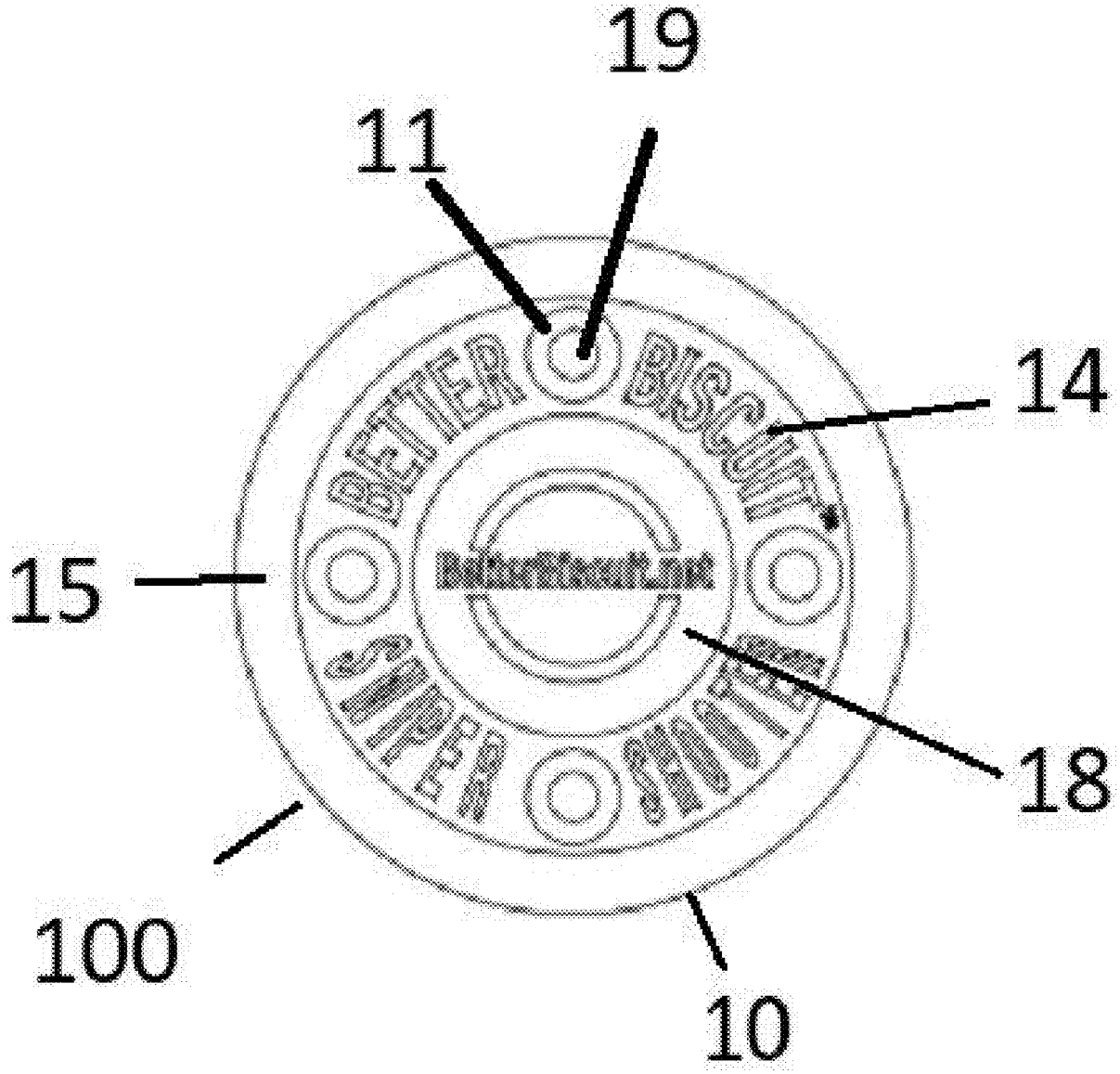
(57) **ABSTRACT**

An improved hockey puck for use on unsmooth surfaces such as streets and parking lots. The puck is comprised of two equally sized disks with solidifying weights and where the disks have the same diameter of the standard hockey puck. These disks have a top and a bottom where the top has an inner and outer rim and the bottom is flat. The disks are connected to each other using four rivets with a spacing means between the disks.



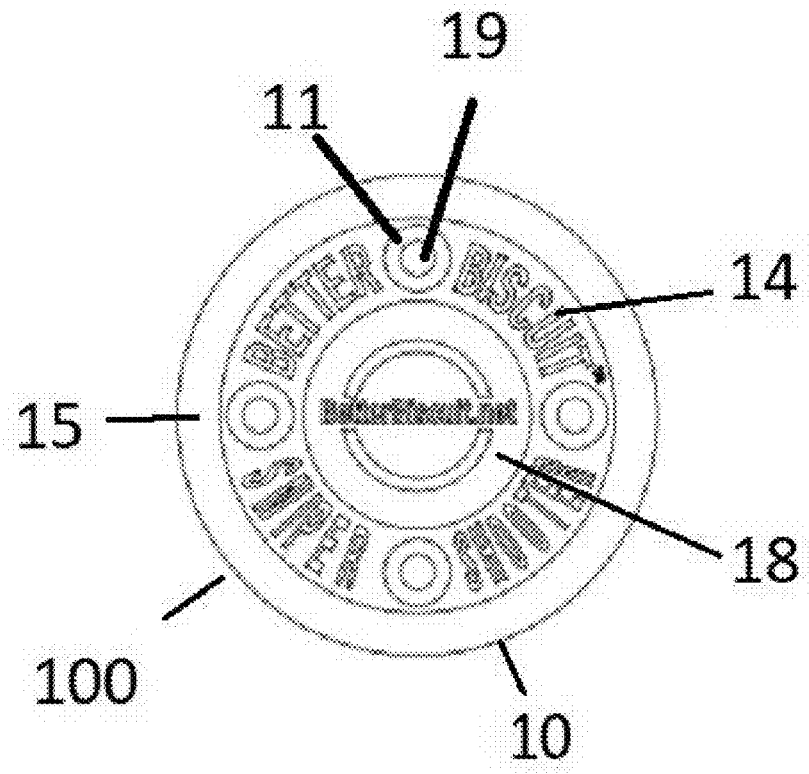



Fig. 1

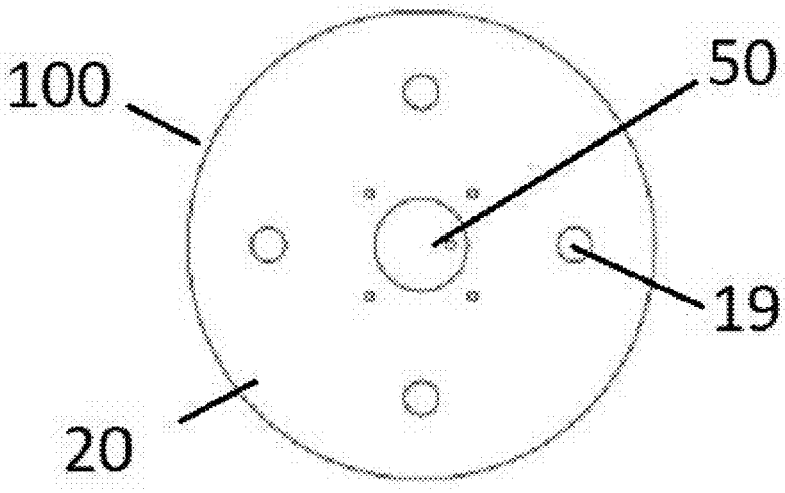



Fig. 2

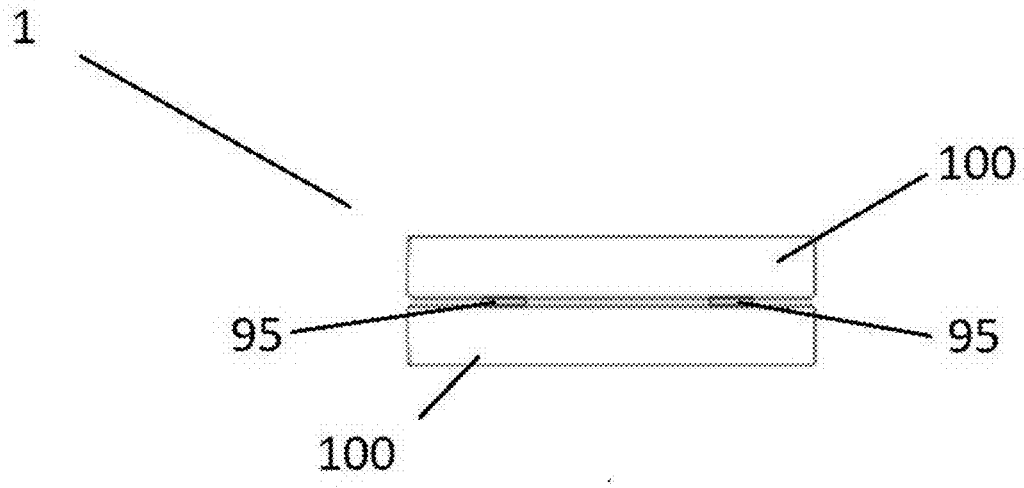



Fig. 3

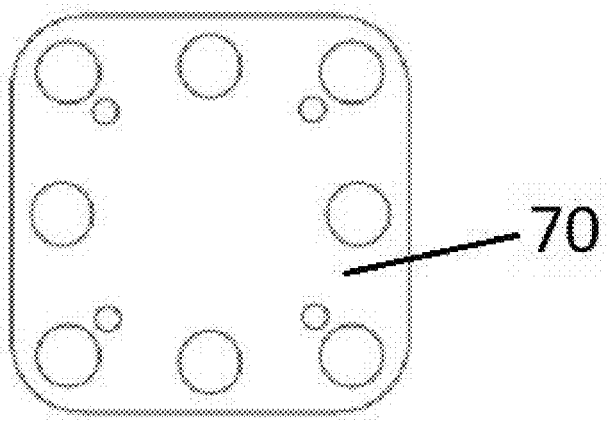



Fig. 4

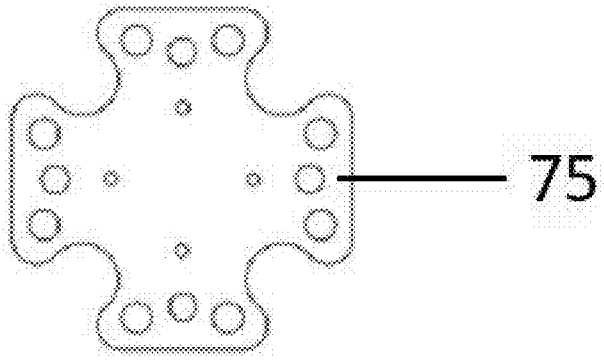



Fig. 5

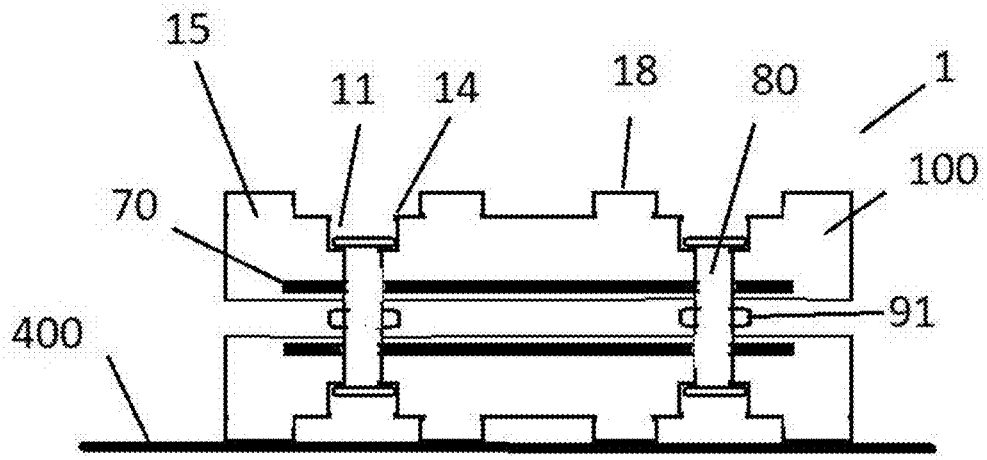



Fig. 6

# FOUR RIVET PUCK

## CROSS-REFERENCES TO RELATED APPLICATIONS (IF ANY

**[0001]** None.

## BACKGROUND

### 1. Field of the Invention

**[0002]** This invention relates to a street or hard surface puck and in more particular one with four rivets for better functionality.

### 2. Description of Prior Art

**[0003]** Hockey has become a very popular sport with a desire to play it on harder rougher surfaces. Standard hockey pucks will not work on these rougher surfaces as they are designed for the frictionless ice surfaces.

**[0004]** There have been numerous designs for these types of puck such as being made of plastic with multiple disks connected together but these all have issues with flexibility, stability, durability and accuracy.

**[0005]** There is still room for improvement in the art.

## SUMMARY OF THE INVENTION

**[0006]** The current invention is an improved hockey puck for use on unsmooth surfaces such as streets and parking lots. The puck is comprised of two equally sized disks where the disks have the same diameter of the standard hockey puck. These disks have a top and a bottom where the top has an inner and outer rim and the bottom is flat. The disks are connected to each other using four rivets with a spacing means between the disks.

**[0007]** Each disk will have a solidifying weights to add weight, durability and stability.

## BRIEF DESCRIPTION OF THE DRAWINGS

**[0008]** Without restricting the full scope of this invention, the preferred form of this invention is illustrated in the following drawings:

**[0009]** FIG. **1** shows a top view of the puck disks;

**[0010]** FIG. **2** shows a bottom view of the puck disks;

**[0011]** FIG. **3** shows a side view of the puck with the two connected disks;

**[0012]** FIG. **4** shows one strengthen member design;

**[0013]** FIG. **5** shows another strengthen member design; and

**[0014]** FIG. **6** shows a cross cut of the puck.

## DESCRIPTION OF THE PREFERRED EMBODIMENT

**[0015]** As shown in FIGS. **1** through **6**, the current invention is a four rivet puck for use on hard surfaces like blacktop.

**[0016]** The current invention is lots consisting of two generally equal sized disks **100**. The two disks **100** are the same with a top side **10** and a bottom side **20** as shown in FIGS. **1** and **2**. The disks **100** are made of a strong, sturdy material like plastic. In the preferred embodiment, the disks **100** will have the same circumference as that of a standard hockey puck.

**[0017]** The bottom side **20** has a flat surface in the preferred embodiment as shown in FIG. **2**. There may be a center circular opening **50** which will be open to the solidifying member **70**, **75**.

**[0018]** The top side **10** with have an outer raised ridge **15** and inner raised ridge **18**. The outer raised ridge **15** is flush with the out rim of the disk **100**. The inner raised ridge **18** is circular and within the outer raised ridge **15**. The disk **100** has a recessed area between the outer raised ridge **15** and the inner raised ridge **18**. There is also a recessed area within inner raised ridge **18**. The top of the ridges are flat which allows the puck to smoothly travel on a surface **400** as shown in FIG. **6**. The ridges reduce the area of the puck **1** that is touching the surface **400** reducing the potential friction. He recessed area **14** can have images such as writing, pictures or trademarks printed either in raised writing or some type of sticker.

**[0019]** The disks **100** will have four evenly spaced rivet holes **19**. The rivet holes **19** have a larger diameter at the opening and with lips **11** mid-way closing to a diameter that is slightly larger than the radius of the rivets so that the rivets **80** catch the lips **11** and hold the two disks **100** together loosely as shown in FIGS. **3** and **6**. In the preferred embodiment, the current invention would have a spacer means such as a spring **91** or compression disk **95** made of foam or similar material. The spacing means will keep the two disks **100** from touching each other. The two disks **100** will have their bottoms **20** facing each other.

**[0020]** Each disk **100** will have a solidifying weight **70**, **75** embedded within them. These solidifying weights can be square **70** or cross **75** shaped. They are made of a sturdy, hard metal like steel or aluminum. They add strength to the disk **100** as well as weight for better play. The addition of the solidifying weights **70**, **75** strengthen the disks and provide for longer life and durability. The solidifying weights will had a plurality of opening allowing for better connection to the disks **100**. The solidifying weights **70**, **75** will have a plurality of rivet openings that line up with the rivet holes **19** of the disks **100** so that the rivets **80** go through the solidifying weights **70**, **75** for a more secure structure and design as shown in FIG. **6**.

**[0021]** The rivets **80** connect the two disks **100** together loosely with spacing between the disks **100** as shown in FIG. **3** with the bottoms **20** of the disks facing each other. It the preferred embodiment the four rivet puck **1** would have a spacing means designed to adsorb the shock and energy when the puck **1** is hit or hits a surface. The spacing means would be around the rivet **80** between the two disks **100**. These spacing means would absorb energy forces transferred between the two disks **100**. The spacing means could be a foam disk **91**, a spring **95** or another similar type mechanism. In the preferred embodiment each rivet **80** would have a spacing means.

### Advantages

**[0022]** The four rivet puck **1** is designed to be more durable and better matching the play of an ice hockey puck. The four rivet design provides a more balance play on hard uneven surfaces.

**[0023]** Although the present invention has been described in considerable detail with reference to certain preferred versions thereof, other versions are possible. Therefore, the point and scope of the appended claims should not be limited to the description of the preferred versions contained herein.

**[0024]** As to a further discussion of the manner of usage and operation of the present invention, the same should be apparent from the above description. Accordingly, no further discussion relating to the manner of usage and operation will be provided. With respect to the above description, it is to be realized that the optimum dimensional relationships for the parts of the invention, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all equivalent relationships to those illustrated in the drawings and described in the specification are intended to be encompassed by the present invention.

**[0025]** Therefore, the foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention.

That which is claimed is:

**1**. A device comprising:

A puck with two disks with a top and bottom side where the top side has a plurality of ridges and the bottom side is flat where the two disks are connected by four rivets with the bottom sides facing end other with a spacing means between the disks, and where the disk have solidifying weights with holes for the rivets.

**2**. The device according to claim **1** further comprising:

where the spacing means go around the rivets.

**3**. The device according to claim **1** further comprising:

where the spacing means is a foam washer.

**4**. The device according to claim **1** further comprising:

where the spacing means is a spring.

**5**. The device according to claim **1** further comprising:

where the solidifying weight is cross shaped.

**6**. The device according to claim **1** further comprising:

where the solidifying weight is in the shape of a square.

**7**. The device according to claim **1** further comprising:

where there is an outer ridge and an inner ridge.

**8**. The device according to claim **7** further comprising:

where there is a recess area between the two ridges.

**9**. The device according to claim **7** further comprising:

where there is a plurality of images within the recess area.

**10**. A device comprising:

A puck with two disks with a top and bottom side where the top side has an outer ridge and an inner ridge with a recessed area between and the bottom side is flat where the two disks are connected by four rivets with the bottom sides facing end other with a spacing means between the disks, and where the disk have solidifying weights with holes for the rivets.

**11**. The device according to claim **10** further comprising:

where the spacing means go around the rivets.

**12**. The device according to claim **10** further comprising:

where the spacing means is a foam washer.

**13**. The device according to claim **10** further comprising:

where the spacing means is a spring.

**14**. The device according to claim **10** further comprising:

where the solidifying weight is cross shaped.

**15**. The device according to claim **10** further comprising:

where the solidifying weight is in the shape of a square.

**16**. The device according to claim **10** further comprising:

where there is a plurality of images within the recess area.

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