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(54) **GOLF TEE CONNECTOR**

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(57) **ABSTRACT**

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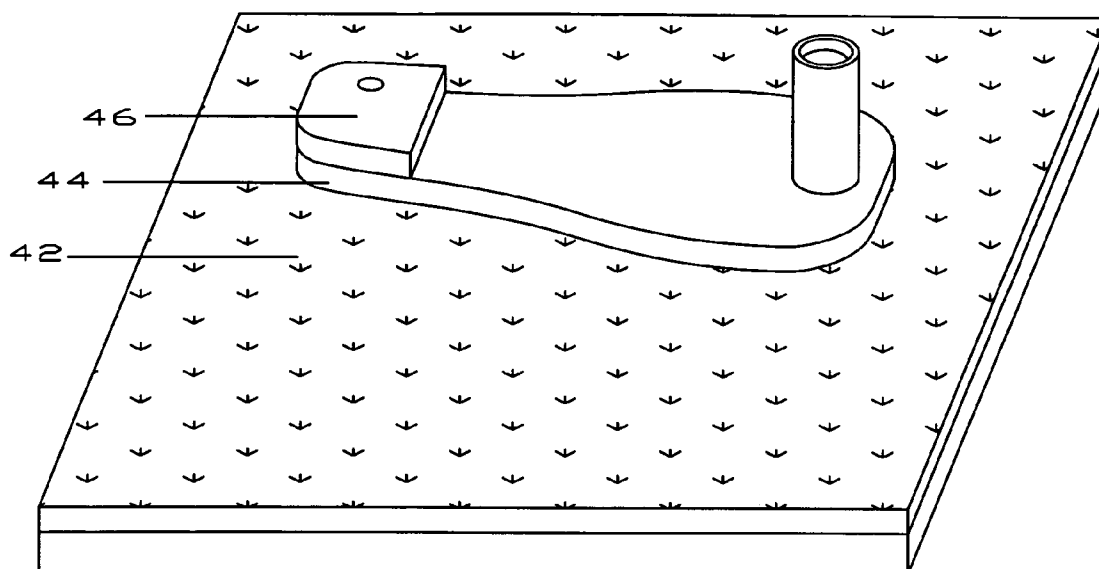
A golf tee connector (46) designed for golf practice. Said connector allows a Range Pro™ golf tee application Ser. No. 11/199,540-(44) to connect to a mat, creating a connection that helps save time and money on the costly replacement of golf tees that come up from the bottom of the mat and by allowing the Range Pro™ golf tee application Ser. No. 11/199,540-(44) to connect to a mat brings that state of the art flexibility that Range Pro™ golf tee application Ser. No. 11/199,540-(44) is known for with no resistance from the mat, making a long life tee useable on a driving range mat.

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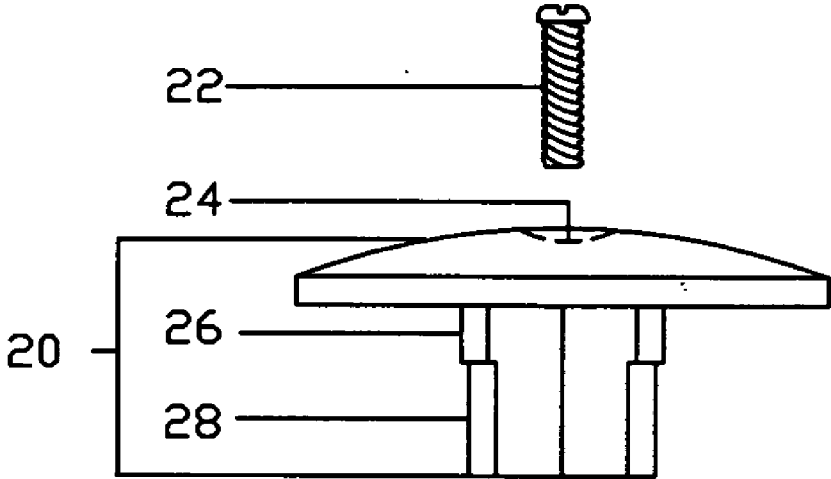


Fig 1

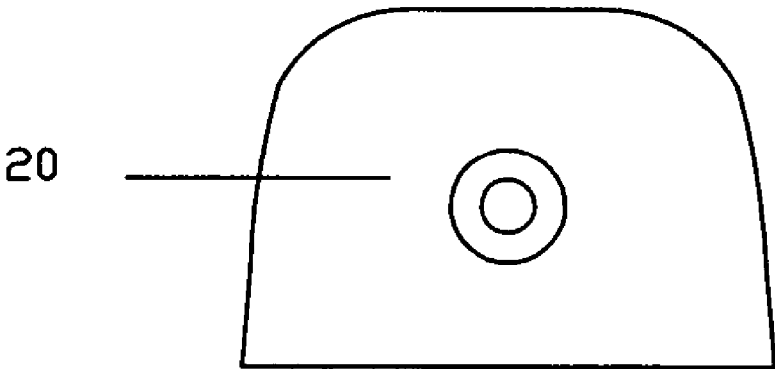


Fig 2

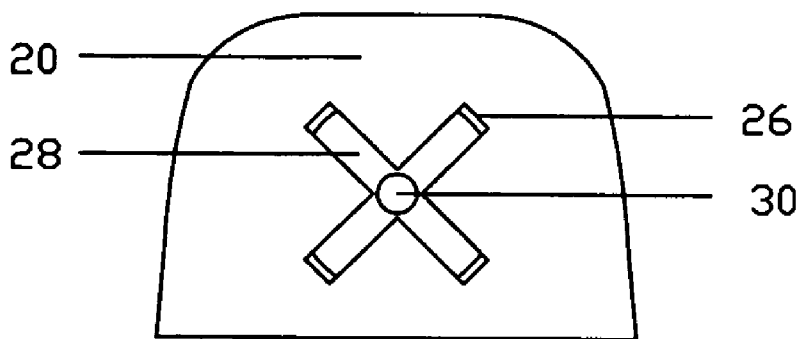


Fig 3

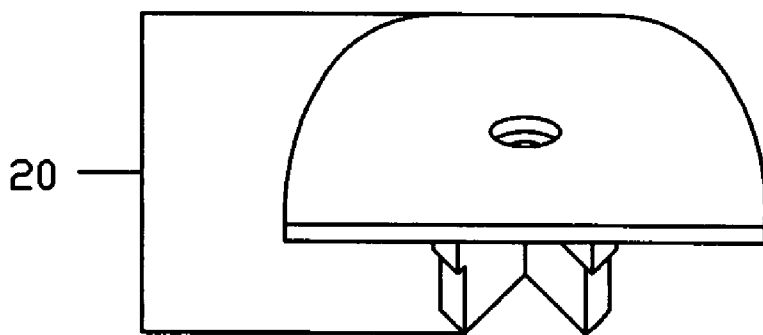


Fig 4

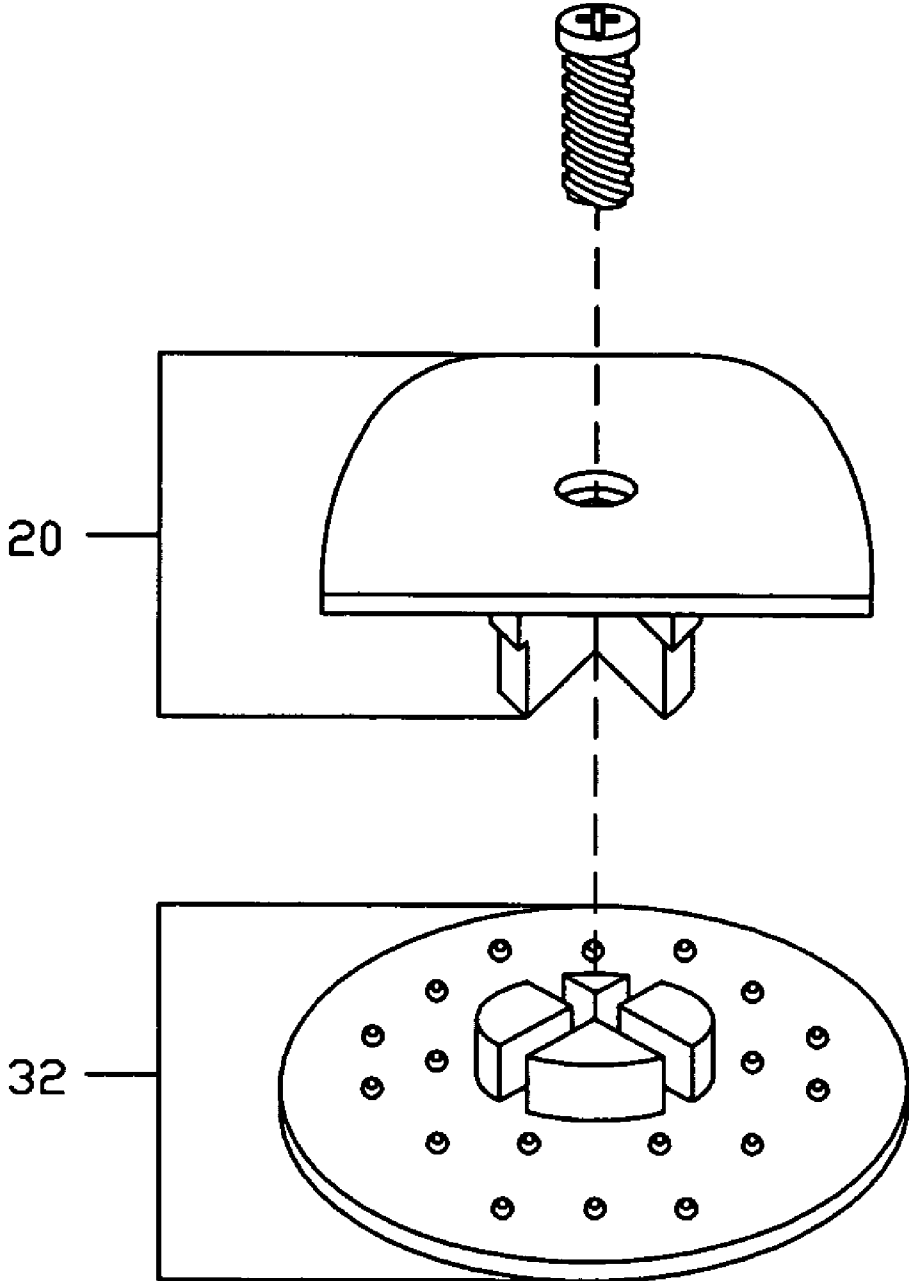


Fig 5

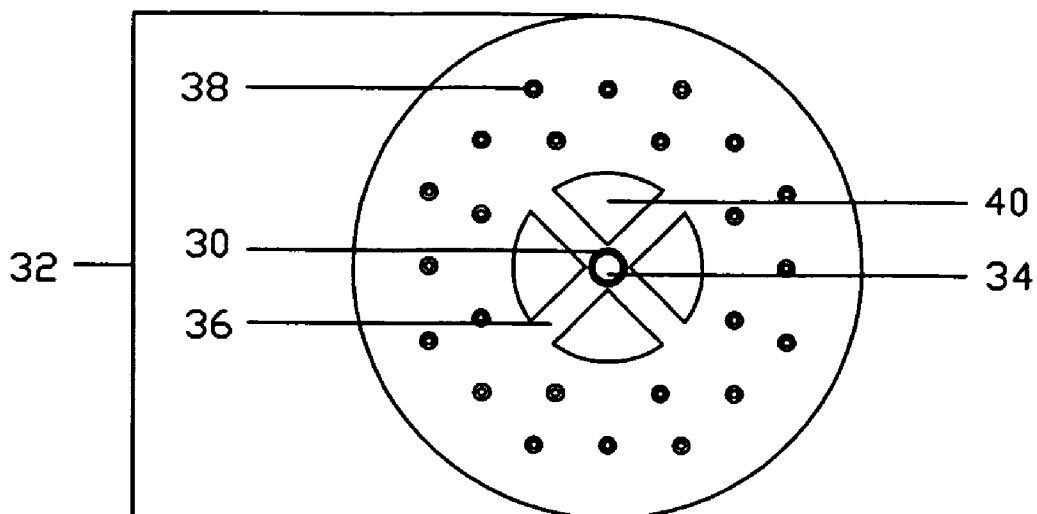


Fig 6

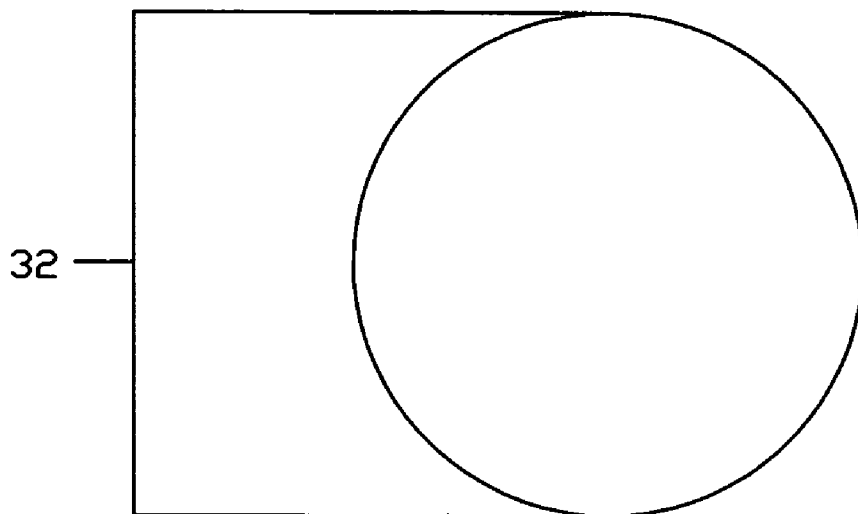
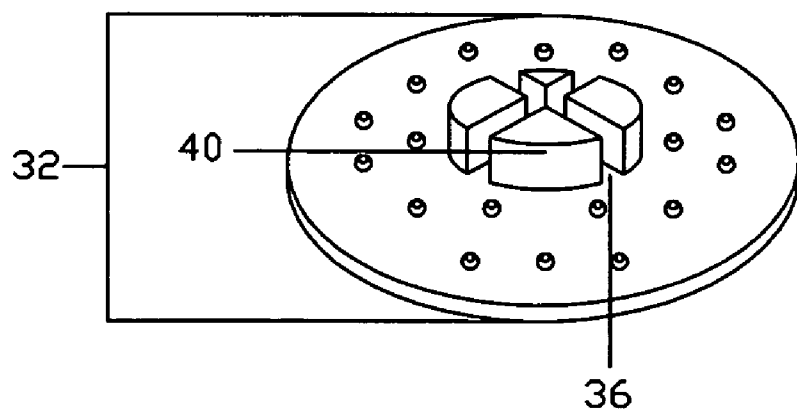
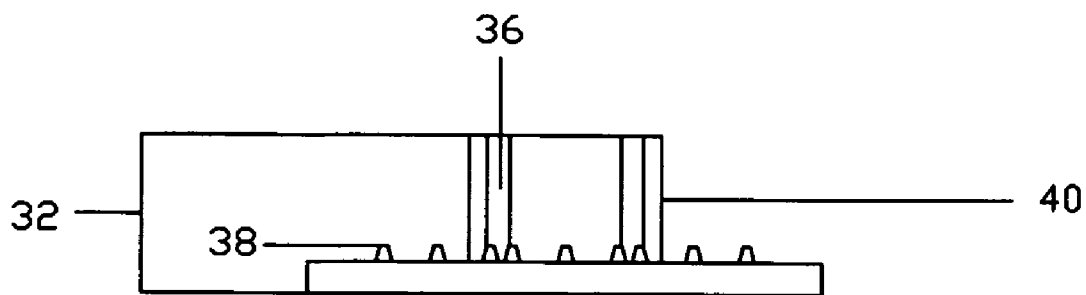


Fig 7



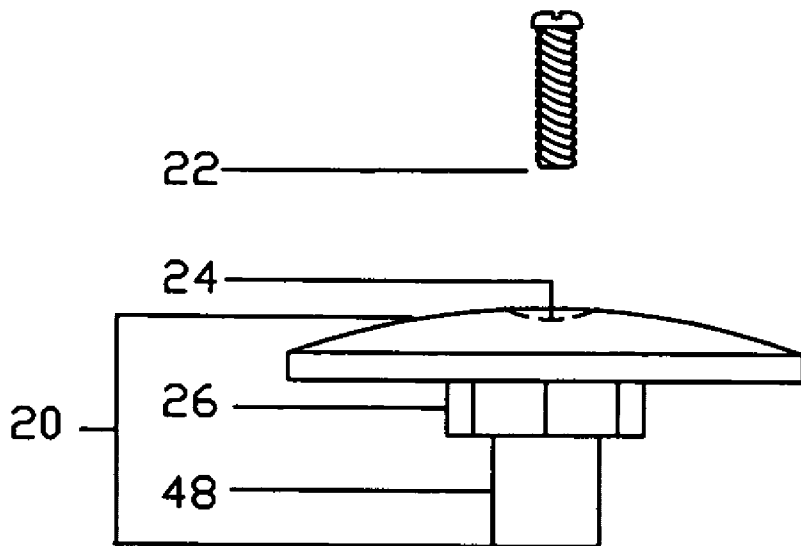


Fig 10

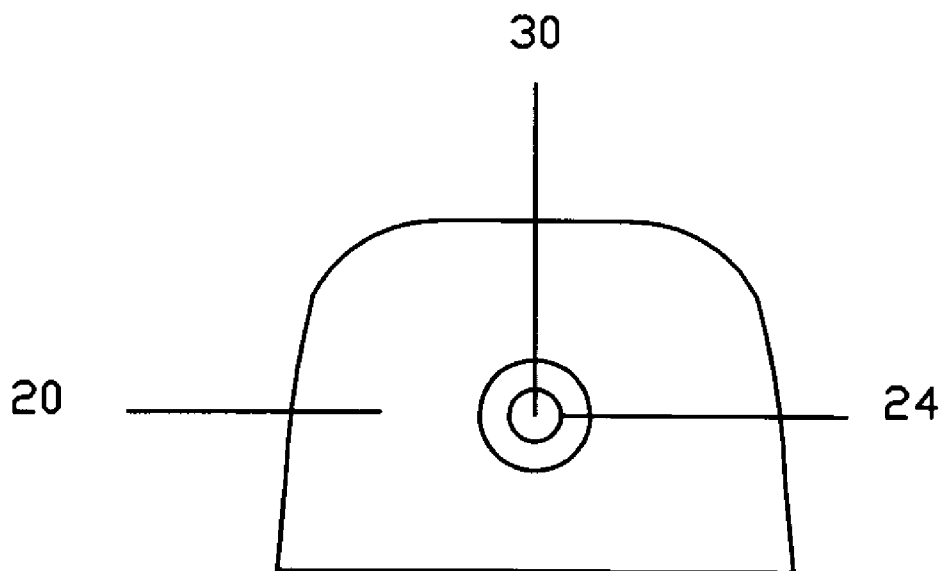


Fig 11

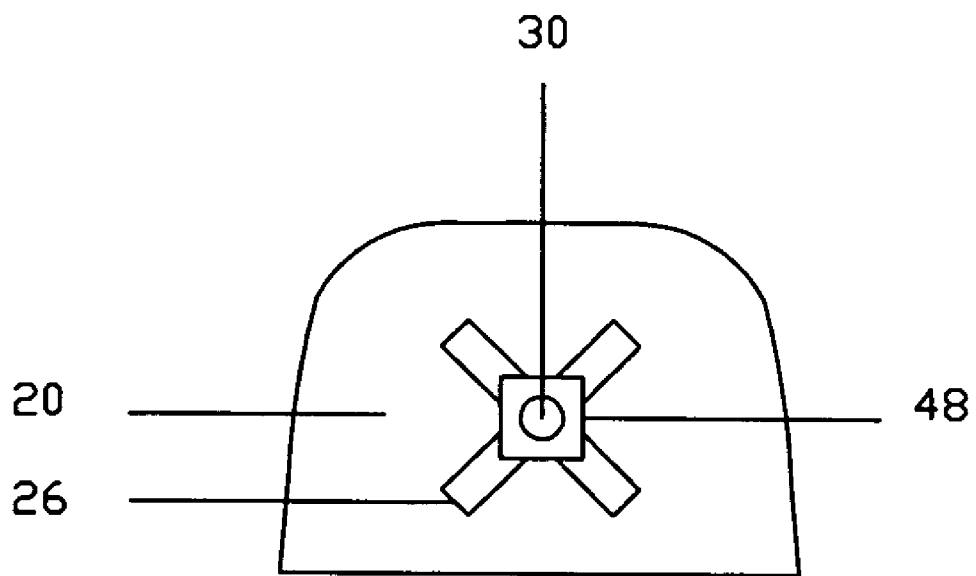


Fig 12

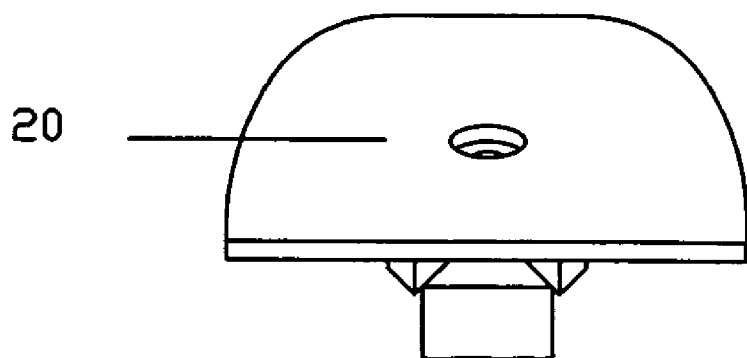


Fig 13



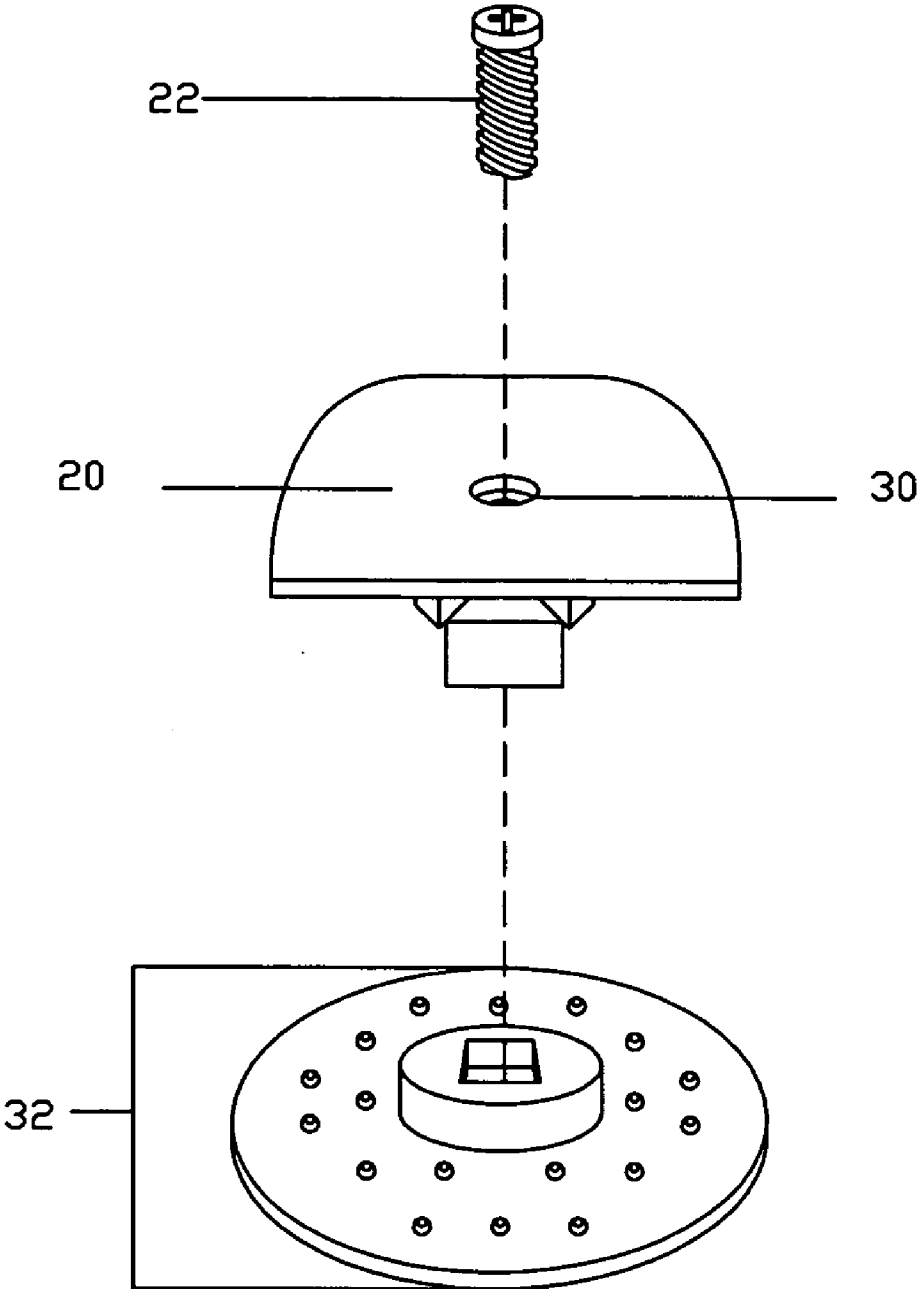


Fig 14

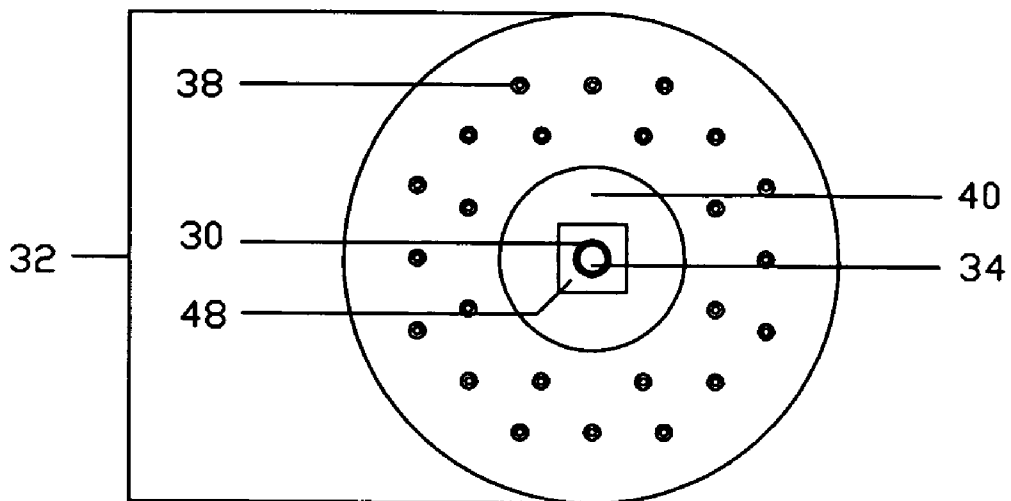


Fig 15

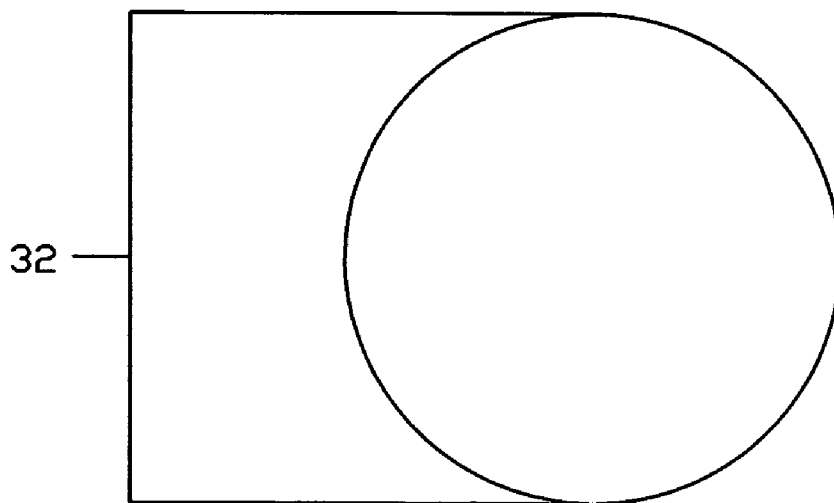


Fig 16

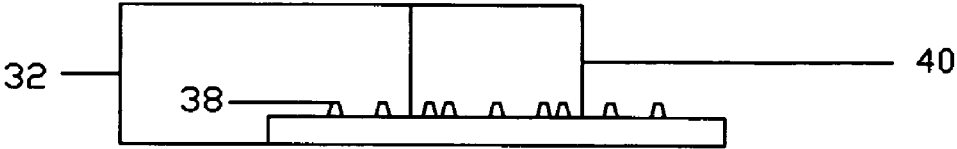


Fig 17

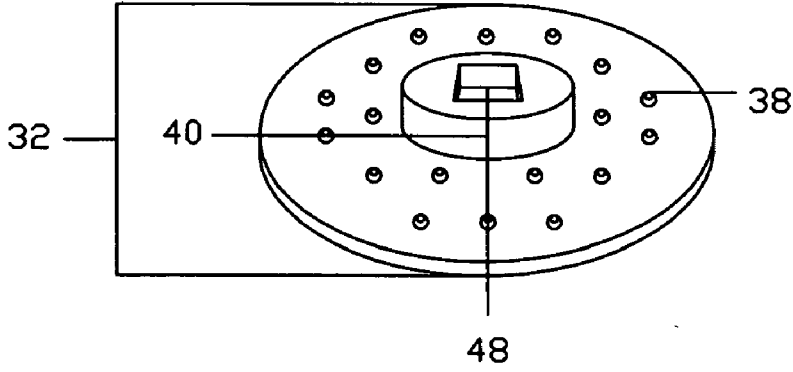


Fig 18

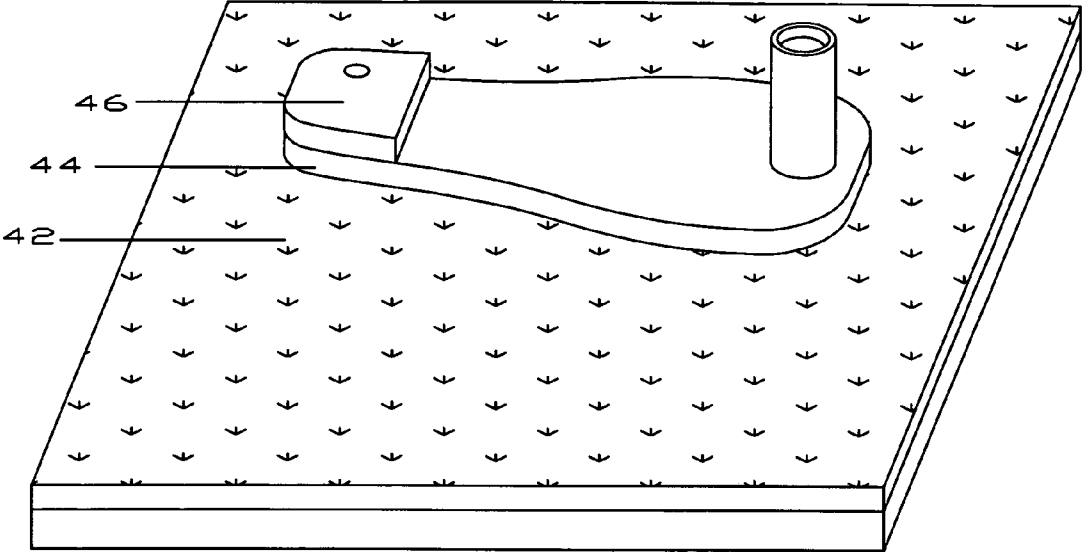


Fig 19

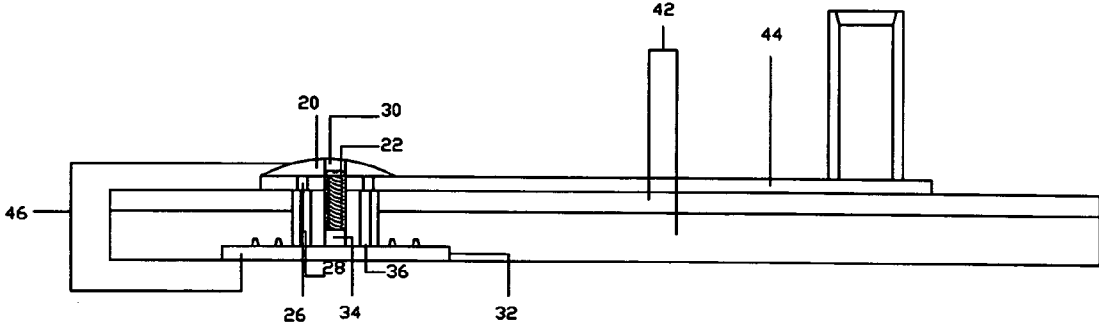


Fig 20

## GOLF TEE CONNECTOR

### BACKGROUND OF THE INVENTION—FIELD OF INVENTION

[0001] This invention relates to golf tees, more particularly to a golf tee connector that allows a Range Pro™ golf tee Application Ser. No. 11/199,540 to connect to a driving range mat.

### BACKGROUND OF THE INVENTION—PRIOR ART

[0002] No prior art available

### BACKGROUND OF THE INVENTION—OBJECTS AND ADVANTAGES

[0003] The present invention is to provide a connection between the Range Pro™ golf tee application Ser. No. 11/199,540 and a golf range mat.

[0004] A current object and advantage is this connection allows a flexible tee to attach to a mat in turn allowing a golf driving range owner to use this connection to place a flexible tee on their mats saving them time and daily replacement of the conventional rubber tee that comes up from the bottom of a mat, that is currently being used. This connection saves time because a golf range owner will not have to replace the tee that comes up through the mat as often because with this connection there will be a Range Pro™ golf tee application Ser. No. 11/199,540 connected to the mat this creates a unique apparatus that has no resistance from the mat. No resistance from the mat means no tearing of the Range Pro™ golf tee application #11/199,540 this is because this tee flexes in the direction that it is struck with a golf club, not like the conventional rubber tee that comes up from the bottom of the mat that when struck by a golf club it has a lot of resistance because the mat holds it in place and when the golf club strikes the conventional rubber tee it pulls the rubber tee and stretches the rubber and weakens it and eventually rips and tears the rubber.

[0005] A further object and advantage is when this connection is made it helps to lessen the amount of resistance a golfer feels when striking a tee that is attached to a mat compared to striking the Range Pro™ golf tee application Ser. No. 11/199,540. This tee creates less resistance by not having the mat hold the tee, thus the golfer does not feel an impact when he strikes a golf ball off of this connection and catches a portion of the tee, because the Range Pro™ golf tee application Ser. No. 11/199,540 flexes in the direction it is struck with no resistance from the mat. This connector makes a much desired connection creating a longer life tee and mat combination then any other tee currently being used under a mat.

### SUMMARY

[0006] In accordance with the present invention a golf tee connector that allows a Range Pro™ golf tee application Ser. No. 11/199,540 to connect to a golf mat, making a low resistance mat and tee combination allowing any golfer to benefit from this connector.

### BRIEF DESCRIPTION OF DRAWINGS

[0007] FIG. 1 illustrates a side view of the top connector with the bolt.

[0008] FIG. 2 illustrates a top view of the top connector.

[0009] FIG. 3 illustrates a bottom view of the top connector.

[0010] FIG. 4 illustrates a perspective view from the top of the top connector.

[0011] FIG. 5 illustrates an exploded view of the top and bottom of the connector with a bolt that helps attach and hold together both pieces.

[0012] FIG. 6 illustrates a top view of the bottom of the connector with a nut.

[0013] FIG. 7 illustrates a bottom view of the bottom connector.

[0014] FIG. 8 illustrates a side view of the bottom connector.

[0015] FIG. 9 illustrates a perspective view of the top of the bottom connector.

[0016] FIG. 10 illustrates a side view of an alternative embodiment of the top of the connector with a bolt.

[0017] FIG. 11 illustrates a top view of an alternative embodiment of the top connector.

[0018] FIG. 12 illustrates a bottom view of an alternative embodiment of the top connector.

[0019] FIG. 13 illustrates a perspective view of an alternative embodiment of the top of the top connector.

[0020] FIG. 14 illustrates a exploded view of an alternative embodiment of the top and bottom connector with a bolt.

[0021] FIG. 15 illustrates a top view of an alternative embodiment of the bottom connector with a nut.

[0022] FIG. 16 illustrates a bottom view of an alternative embodiment of the bottom connector.

[0023] FIG. 17 illustrates a side view of an alternative embodiment of the bottom connector.

[0024] FIG. 18 illustrates a perspective view of an alternative embodiment of the top of the bottom connector.

[0025] FIG. 19 illustrates a perspective view of the connector attached to a mat with a Range Pro™ golf tee application Ser. No. 11/199,540.

[0026] FIG. 20 illustrates a cross sectional view of the connector attached to a mat with a Range Pro™ golf tee application Ser. No. 11/199,540.

### DRAWING-REFERENCE NUMERALS

[0027] 20 top of connector

[0028] 22 bolt

[0029] 24 counter sunk hole

[0030] 26 fitted shape

[0031] 28 smaller fitted shape

[0032] 30 through hole

[0033] 32 bottom of connector

[0034] 34 nut

[0035] 36 bottom fitted shape

[0036] 38 grip point

[0037] 40 cylinder

- [0038] 42 mat
- [0039] 44 Range Pro™ golf tee application Ser. No. 11/199,540
- [0040] 46 golf tee connector
- [0041] 48 square fitted shape

DETAILED DESCRIPTION—PREFERRED EMBODIMENTS

[0042] A preferred embodiment of the golf tee connector of the present invention is illustrated as a side view in FIG. 1 of a top of connector 20 that has a fitted shape 26 on it to hold a Range Pro™ golf tee application Ser. No. 11/199,540. Under the fitted shape 26 is a smaller fitted shape 28 this will interlock to the bottom connector. There is a counter sunk hole 24 that allows a bolt 22 to sink below the top out of sight and the way. The bolt 22 will attach and hold together the bottom and top of the connector.

[0043] FIG. 2 illustrates a top view of the top of connector 20.

[0044] FIG. 3 illustrates a bottom view of the top of connector 20 showing the fitted shape 26 and the smaller fitted shape 28 in the center of both fitted shapes there is a through hole 30 which allows a bolt to continue through the top of connector 20.

[0045] FIG. 4 illustrates a perspective view of the top of connector 20.

[0046] FIG. 5 illustrates an exploded view of the top of connector 20 and a bottom of connector 32.

[0047] FIG. 6 illustrates a top view of the bottom of connector 32 shown with a grip point 38 which allows this bottom piece when attached to a mat to grip it and helps in not letting this apparatus rotate in any direction thus keeping this connector in one place all of the time. There is a cylinder 40 that has a bottom fitted shape 36 that allows the top of the connector and its smaller fitted shape to interlock within and creates a connection that will keep the top and bottom from rotating in different directions. There is also a through hole 30 that allows a bolt to continue through the bottom of connector 32 until it reaches a nut 34 that is at the base of the through hole 30.

[0048] FIG. 7 illustrates a bottom view of the bottom of connector 32.

[0049] FIG. 8 illustrates a side view of the bottom of connector 32 showing the cylinder 40 with the bottom fitted shape 36. Showing the grip point 38 that helps keep the connector from rotating.

[0050] FIG. 9 illustrates a perspective view of the bottom of connector 32 showing the cylinder 40 with the bottom fitted shape 36.

FIG. 10-19—Alternative embodiments

[0051] These are various possibilities with regard to shapes and designs of my golf tee connector. Some other possibilities included in FIG. 10 illustrates a side view of a top of connector 20 that has a fitted shape 26 on it to hold a Range Pro™ golf tee application Ser. No. 11/199,540. Under the fitted shape 26 is a square fitted shape 48 this will interlock to the bottom of the connector. At the top there is a countersunk hole 24 that allows a bolt 22 to sink below the

top out of sight and out of the way. The bolt 22 will attach and hold together the bottom and top of the connector.

[0052] FIG. 11 illustrates a top view of the top of connector 20 with a through hole 30 which is in the center of the counter sunk hole 24.

[0053] FIG. 12 illustrates a bottom view of the top of connector 20 showing the fitted shape 26 and a square fitted shape 48. There is a through hole 30 which allows a bolt to continue through the top of connector 20.

[0054] FIG. 13 illustrates a perspective view of the top of the top of connector 20.

[0055] FIG. 14 illustrates an exploded view of the top of connector 20 and a bottom of connector 32 with a bolt 22 that will continue through the top of connector 20 into the through hole 30 penetrating the bottom of connector 32 through its through hole and being able to tighten up at the bottom of the through hole by screwing into a nut at the base of the bottom of connector 32.

[0056] FIG. 15 illustrates a top view of the bottom of connector 32 shown with a grip point 38 which allows this bottom piece when attached to a mat to grab it and not swivel or rotate in any direction, thus keeping this connector in one place all of the time. There is a cylinder 40 that has a square fitted shape 48 that allows the top of the connector to interlock with the bottom connector so that this connection when attached will not be able to rotate. There is a nut 34 that is at the bottom of the through hole 30 that allows the bolt to tighten both pieces together.

[0057] FIG. 16 illustrates a bottom view of connector 32.

[0058] FIG. 17 illustrates a side view of the bottom of connector 32 showing the cylinder 40 and the grip points 38.

[0059] FIG. 18 illustrates a perspective view of the top of the bottom of connector 32 showing the cylinder 40 with the square fitted shape 48 and the grip point 38.

[0060] FIG. 19 illustrates a perspective view of a golf tee connector 46 attached to a mat 42 with a Range Pro™ golf tee application Ser. No. 11/199,540-44.

[0061] FIG. 20 illustrates a cross sectional view of the golf tee connector 46 attaching a Range Pro™ golf tee application Ser. No. 11/199,540-44 to a mat 42. This view in detail shows how the top of connector 20 with its fitted shape 26 fits in the Range Pro™ golf tee application Ser. No. 11/199,540-44 and interlocks. The smaller fitted shape 28 fits in the bottom fitted shape 36 on the bottom of connector 32 and the bolt 22 continues through the through hole 30 of both the top and bottom pieces of this connector allowing the bolt 22 to tighten down on the nut 34 to fasten the connector together.

I claim:

1. A top plate with a fitted shape that can attach and interlock to a base with a fitted shape.

2. A top plate as claimed in claim 1, said top plate with the fitted shape will allow a Range Pro™ golf tee application Ser. No. 11/199,540 to connect to it and allow said top plate to attach to a mat when said base with said fitted shape is connected and interlocked to said top plate through a hole in the mat.

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