Aug. 26, 1947. D. KRAMER 2,426,274

PUTTER USED IN PLAYING GOLF

Filed April 21, 1944

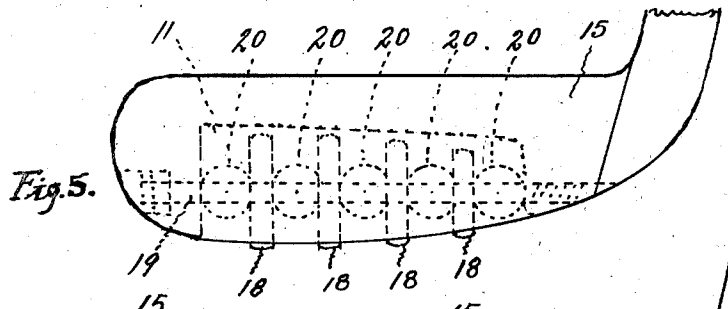


Fig. 5.

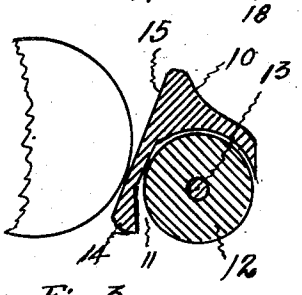


Fig. 3

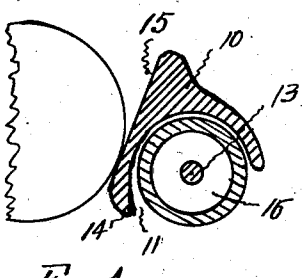


Fig. 4.

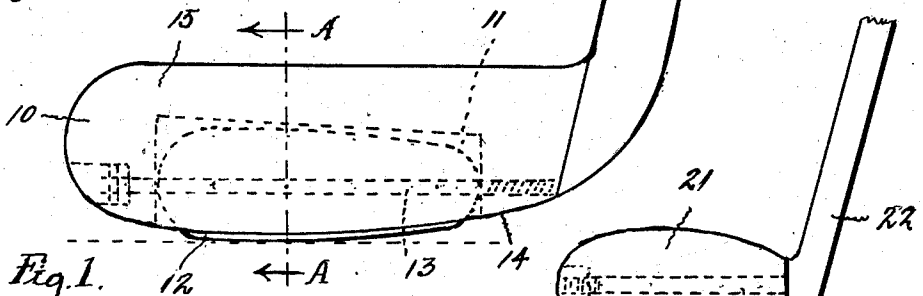


Fig. 1.

Fig. 7.

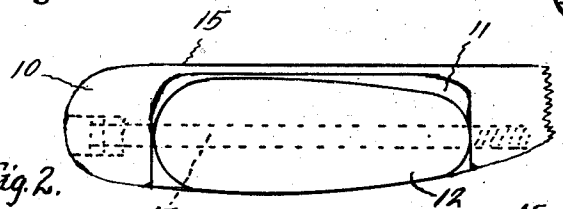


Fig. 2.

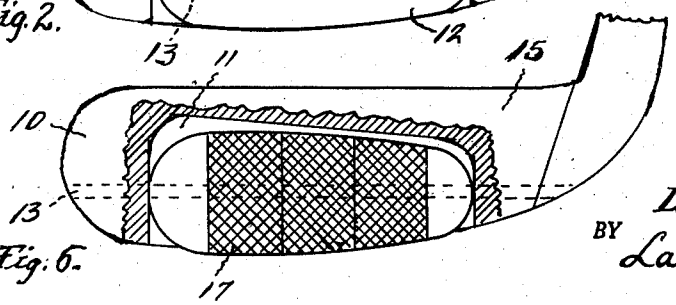


Fig. 6.

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PUTTER USED IN PLAYING GOLF

Daniel Kramer, Cleveland, Ohio

Application April 21, 1944, Serial No. 532,092

1 Claim. (Cl. 273—77)

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This invention relates to a putter used in playing golf, and has for its chief object to partly reduce the frictional resistance of the putter with the putting green in making a "putt."

Other objects and advantages of the invention will become apparent as the description progresses.

In the accompanying drawing forming a part of this specification and in which like reference characters are employed to designate corresponding parts throughout the same:

Figure 1 is a front elevation of a putter equipped with the new friction reducing means.

Figure 2 is a bottom view of the putter shown in Figure 1. The putter blade or head is shown fragmentary.

Figure 3 is a sectional view on line A—A in Figure 1, and showing the relation of a golf ball to the face of the putter. The golf ball is shown fragmentary.

Figure 4 is a sectional view of a variant showing the roller of hollow construction. The golf ball is shown fragmentary in relation thereto.

Figure 5 illustrates a variant wherein a plurality of disks may be used instead of a complete roller.

Figure 6 is a front elevation of the putter shown in Figure 1, a portion of its face being broken away to show the serrations or knurling on the roller.

Figure 7 is a front elevation of another variant on a reduced scale showing the putter head proper, a roller mounted on a shaft integral with the handle of the putter.

Referring to Figure 1 of the drawing there is shown an assembly composed of a putter head or blade 10 of conventional design having a portion 11 removed therefrom to accommodate the roller 12. The roller is of ovate or oblong-ovate configuration, and is freely mounted on the shaft 13 removably fixed in the head or blade. It will be noted that the roller extends below the lower edge 14 of the putter face 15, and is given a contour or profile corresponding to a substantial portion of the aforesaid lower edge, so that the conventional curvature of the blade or head is maintained. The roller may be made hollow as shown in Fig. 4 as at 16. The roller may also be serrated as shown in Figure 6 as at 17.

In the variant shown in Figure 5 a plurality of disks 18 is illustrated, mounted on the shaft

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19 and spaced by means of spacers 20 which separates disks.

In the variant shown in Figure 7 the blade or head consists of a roller 21 and is given a configuration to approximate in resemblance the ordinary putter head. The roller is rotatably mounted on the shaft 22 integral with the putter head shank 22 of the putter. The handle is shown fragmentary in Figure 1 at 23.

The putter embodying my invention thus provides a means of reducing the frictional resistance of the putter with the putting green in making the "putt."

In a general way, while I have, in the above description, disclosed what I deem to be practical and efficient embodiments of the present invention, it should be well understood that I do not wish to be limited thereto, as there might be changes made in the arrangement, disposition and form of the parts without departing from the principle of the present invention as comprehended within the scope of the accompanying claim.

What I do claim and desire to obtain by Letters Patent of the United States of America is:

In a putter used in playing golf, the combination of a putter head having a recess formed therein behind the striking face thereof, a roller of oblong-ovate configuration rotatably mounted in the recess and shielded by the face of the putter head, the roller of oblong-ovate configuration projecting slightly below the lower edge of the striking face of the putter head, the lower edge being given a curvature corresponding substantially with that of the roller portion projecting below the lower edge of the putter head.

DANIEL KRAMER.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
2,300,043	Carney	Oct. 27, 1942

FOREIGN PATENTS

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