GRIP AND INTERNAL WEIGHT SYSTEM FOR SHAFT OF GOLF CLUB

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority to U.S. Utility Application No. 14/281,055, filed on May 19, 2014 and also claims the benefit of U.S. Provisional Application No. 61/824,662 filed on May 17, 2013. The entire disclosures of the above applications are hereby incorporated by reference.

FIELD

[0002] The present disclosure relates to a grip for a golf club, and more particularly, to a grip including an internal weight system for a golf club.

BACKGROUND

[0003] This section provides background information related to the present disclosure and is not necessarily prior art.

[0004] In addition to the refinement of a golfer's swing, the weight of a golf club can affect the distance and accuracy of a golf shot. Accordingly, it may be advantageous for a golfer to be able to adjust the weight of a golf club to improve and/or perfect the distance and accuracy of a golf shot.

SUMMARY

[0005] ~~In one form, the present disclosure~~An aspect of the present invention provides a golf club grip comprising an elongated ~~member~~ grip having a first end and a second end. The first end is configured to receive a golf club shaft, and the second end includes an opening ~~comprising a first threaded portion therein~~. The golf club grip further comprises an insert received in the opening, the insert comprises an internal surface having a first threaded portion, said insert comprising an external surface comprising a plurality of projections engaging the elongated grip, said insert comprising a flange comprising an upper surface, the upper surface is flush with the second end of the elongated grip when the insert is received in the opening.

[0005a] Another aspect of the present invention provides a golf club grip assembly that engages a weight or grip caps comprising: an elongated grip having a first end and a second end, the first end is configured to receive a golf club shaft, the second end includes an opening;

an insert received in the opening, the insert comprises an annular body comprising an internal surface having a first threaded portion that engages the weight or grip caps and an external surface comprising a plurality of spaced apart and radially extending projections engaging an inner surface of the elongated grip to prevent rotation of the insert relative to the grip, said insert comprising a flange axially spaced apart from the plurality of radially extending projections comprising an upper surface, the upper surface is about flush with the second end of the elongated grip when the insert is received in the opening.

[0006] ~~In another form, the~~The present disclosure also provides a grip system for a golf club including a shaft comprising an elongated member having a first member end and a second member end. The first member end includes an opening having a first threaded portion, and the second member end is configured to receive the shaft. The system further comprises a weight having a first weight end and a second weight end. The first weight end includes a second

threaded portion configured to engage the first threaded portion of the elongated member.

[0007] ~~In yet another form, the~~The present disclosure also provides a golf club comprising a head, a shaft, a grip and a weight. The shaft has a first shaft end and a second shaft end, the second shaft end is secured to the head. The grip has a first grip end and a second grip end. The first grip end includes a first grip opening having a first threaded portion, and the second grip end is configured to receive the first shaft end of the shaft. The weight has a first weight end and a second weight end. The first weight end includes a second threaded portion configured to engage the first threaded portion of the grip.

[0008] Further areas of applicability will become apparent from the description provided herein. It should be understood that the description and specific examples are intended for purposes of illustration only and are not intended to limit the scope of the present disclosure.

DRAWINGS

[0009] The drawings described herein are for illustrative purposes only of selected embodiments and not all possible implementations, and are not intended to limit the scope of the present disclosure.

[0010] FIG. 1 is a front view of an exemplary golf club including the grip and the internal weight system in accordance with the teachings of the present disclosure, the exemplary golf club also includes a shaft and a head;

[0011] FIG. 2 is a partially exploded perspective view of the grip, the internal weight system, and the shaft;

[0012] FIG. 3 is another partially exploded perspective view of the grip, the internal weight system, and the shaft;

[0013] FIG. 4 is a cross-sectional view of the internal weight system taken along line 4-4 of FIG. 3;

[0014] FIG. 5 is a bottom view of an insert in accordance with the teachings of the present disclosure together with the grip; and

CLAIMS

What is claimed is:

1. A golf club grip comprising:

an elongated member having a first end and a second end, the first end is configured to receive a golf club shaft, the second end includes an opening comprising a first threaded portion therein.

2. The golf club grip of claim 1 further comprising an insert received in the opening, the insert comprises the first threaded portion.

3. The golf club grip of claim 2, wherein the elongated member is composed of a first material and the insert is composed of a second material that is different from the first material.

4. The golf club grip of claim 2, wherein the insert includes at least one projection engaging the opening of the elongated member.

5. The golf club grip of claim 2, wherein the insert comprises a flange comprising an upper surface, the upper surface is flush with the second end of the elongated member when the insert is received in the opening.

6. A grip system for a golf club including a shaft, the system comprising:

an elongated member having a first member end and a second member end, the first member end comprising an opening with a first threaded portion, the second member end is configured to receive the shaft; and

a weight comprising a first weight end and a second weight end, the first weight end comprising a second threaded portion configured to engage the first threaded portion of the elongated member.

7. The system of claim 6, wherein the weight is received in the elongated member such that first weight end is flush with the first member end of the elongated member.

8. The system of claim 7 further comprising an insert comprising a flange, the flange and the first weight end are flush with the first member end of the elongated member.

9. The system of claim of claim 6, wherein the first weight end includes a securing socket.

10. The system of claim of claim 6 further comprising a securing adhesive disposed between the first threaded portion and the second threaded portion.

11. A golf club comprising:

a head;

a shaft having a first shaft end and a second shaft end, the second shaft end is secured to the head;

a grip having a first grip end and a second grip end, the first grip end includes a first grip opening with a first threaded portion, the second grip end is configured to receive the first shaft end of the shaft; and

a weight having a first weight end and a second weight end, the first weight end includes a second threaded portion configured to engage the first threaded portion of the grip.

12. The golf club of claim 11, wherein the head comprises one of a putter, a wedge, and a driver.

13. The golf club of claim 11, wherein the weight is received in the grip such that the second weight end is flush with the second grip end.

14. The golf club of claim 11 further comprising an insert attached to the first grip opening, the insert includes the first threaded portion.

15. The golf club of claim 14, wherein the insert includes at least one projection engaging the first grip opening.

16. The golf club of claim 14, wherein the insert includes a flange having an outer surface, the outer surface of the flange is flush with the first grip end when the insert is attached to the first grip opening.

17. The golf club of claim 16, wherein the first weight end is flush with the outer surface of the insert.

18. The golf club of claim 14, wherein the grip is fabricated from a first material and the insert is fabricated from a second material that is different from the first material.

19. The golf club of claim 11, wherein the first weight end includes a securing socket.

20. The golf club of claim 11 further comprising an adhesive disposed between the first threaded portion and the second threaded portion.

CLAIMS

What is claimed is:

1. A golf club grip comprising:

an elongated grip having a first end and a second end, the first end is configured to receive a golf club shaft, the second end includes an opening;

an insert received in the opening, the insert comprises an internal surface having a first threaded portion, said insert comprising an external surface comprising a plurality of projections engaging the elongated grip, said insert comprising a flange comprising an upper surface, the upper surface is flush with the second end of the elongated grip when the insert is received in the opening.

2. The grip assembly as recited in claim 1 further comprising:

a weight comprising a first weight end and a second weight end, the first weight end comprising a second threaded portion configured to engage the first threaded portion of the insert.

3. The grip of claim 2, wherein the weight is received in the insert such that first weight end is flush with the elongated grip.

4. The grip of claim of claim 2, wherein the first weight end includes a securing socket.

5. The grip of claim of claim 2 further comprising a securing adhesive disposed between the first threaded portion and the second threaded portion.

6. The grip assembly as recited in claim 1 wherein the annular body is a continuous annular body.

7. A golf club comprising:

a head;

a shaft having a first shaft end and a second shaft end, the second shaft end is secured to the head; and

a golf club grip assembly as recited in claim 1.

8. The golf club of claim 7, wherein the head comprises one of a putter, a wedge, and a driver.

9. A golf club grip assembly that engages a weight or grip caps comprising:

an elongated grip having a first end and a second end, the first end is configured to receive a golf club shaft, the second end includes an opening;

an insert received in the opening, the insert comprises an annular body comprising an internal surface having a first threaded portion that engages the weight or grip caps and an external surface comprising a plurality of spaced apart and radially extending projections engaging an inner surface of the elongated grip to prevent rotation of the insert relative to the grip, said insert comprising a flange axially spaced apart from the plurality of radially extending projections comprising an upper surface, the upper surface is about flush with the second end of the elongated grip when the insert is received in the opening.