A wood golf club head includes a shock-absorption member and a face member connected together. The shock-absorption member is made of a light and shock absorption material, such as aluminum alloy, magnesium alloy, fiber reinforced resin, or plastic, with a specific weight less than three. The shock-absorption member includes a crown and a neck. The face member is made of a heavy material, such as titanium alloy, or stainless, or Maraging steel, with a specific weight greater than four. The face member includes a face and a sole.
TWO-PIECE TYPE WOOD GOLF CLUB HEAD

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention
[0002] The present invention relates generally to a golf club, and more particularly to a golf club head made of light alloy, such as magnesium alloy or aluminum alloy.

[0003] 2. Description of the Related Art
[0004] Conventional golf club heads have single-piece type, two-piece type or multi-piece type. The single piece type golf club heads usually are made by casting. Typically, the conventional two-piece type wood golf club head consists of a first piece, which is made by casting, with a face, a sole, a toe, a heel, a back and a neck and a second piece with a crown. The first piece is like a cup with an opening at a top thereof and the second piece is like a lid sealing the opening. The second piece is a thin plate to shift a center of gravity of the golf club head to the bottom. Another conventional two-piece type wood golf club head consists of a cup-like first piece with an opening at a bottom thereof and a second piece sealing the opening. The second piece is made of a heavy and wear-proof metal to adjust a center of gravity of the golf club head and make model, logo or other information thereon. The third conventional two-piece type wood golf club head consists of a cup-like first piece with an opening at a front thereof and a second piece sealing the opening. The second piece is a face made of a particular material.

SUMMARY OF THE INVENTION

[0005] The primary objective of the present invention is to provide a wood golf club head with a light crown, a flexible face, a wear-proof sole and a neck with excellent shock absorption capacity.

[0006] According to the objectives of the present invention, a wood golf club head includes a shock-absorption member and a face member connected together. The shock-absorption member is made of a light and shock absorption material with a specific weight less than three including a crown and a neck. The face member is made of a material with a specific weight greater than four including a face and a sole.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] FIG. 1 is a perspective view of a first preferred embodiment of the present invention;
[0008] FIG. 2 is an exploded view of the preferred embodiment of the present invention;
[0009] FIG. 3 is a sectional view along the 3-3 line of FIG. 1; and
[0010] FIG. 4 is an exploded view of a second preferred embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0011] As shown in FIG. 1 to FIG. 3, a wood golf club head 10 of a first preferred embodiment of the present invention includes a shock-absorption member 20 and a face member 30.

[0012] The shock-absorption member 20 is made of aluminum alloy, magnesium alloy, fiber reinforced resin (like carbon fiber), or plastic, or other suitable material, which is light, shock-absorption material with a specific weight less than three. The shock-absorption member 20 includes a crown 11 and a neck 12 of the wood golf club head 10.

[0013] The face member 30 is made of a heavy metal, such as titanium alloy, or stainless, or Maraging steel, with a specific weight greater than four. Typically, the face member 30 is made by casting. The face member 30 includes a face 13 and a sole 14 of the wood golf club head 10. The face member 30 has a wall 32 at a top thereof, which is extended backwardly from the face 13 to make the face 13 as a cup-like member.

[0014] There are a slot 32 and a protrusion 33 on the shock-absorption member 20 and the face member 30 respectively for combination of the shock-absorption member 20 and the face member 30. The places of the slot 32 and the protrusion 33 may be switched that may combine the shock-absorption member 20 and the face member 30 also.

[0015] The face member 30 has a gap 34 on a toe and a heel respectively rather than the protrusion 33 that the shock-absorption member 20 and the face member 30 will not be engaged at the gaps 34. This will be advantageous to the combination of the shock-absorption member 20 and the face member 30.

[0016] As shown in FIG. 4, the second preferred embodiment of the present invention provides a shock-absorption member 20, which is made of carbon fiber reinforced resin or plastic, is embedded with a reinforced metal tube 40 in a neck 12 to enhance the strength of the neck 12.

[0017] A face member 30 of the second preferred embodiment provides bores on a sole 35 thereof. In FIG. 4, it shows that there are two bores 36 adjacent to a toe and a heel respectively for reduction of weight. The bores 36 are sealed with plugs (not shown), which are light materials, such as aluminum, magnesium, plastic, fiber reinforced resin, or other suitable materials. The face member 30 may be fixed with weight devices (not shown) on the sole 35 for adjustment of a center of gravity of the wood golf club head 10.

[0018] The wood golf club head of the present invention provides the face member with flexible and wear-proof properties for hitting ball and the shock-absorption member with light and shock absorption properties to reduce the shock of hitting ball transferring to player’s hand through the neck and a shaft and to shift the center of gravity of the wood golf club head to a bottom and rear portion.

[0019] The description above is a few preferred embodiments of the present invention and the equivalence of the present invention is still in the scope of the claim of the present invention.

What is claimed is:

1. A wood golf club head, comprising:
   a shock-absorption member, which is made of a light and shock absorption material with a specific weight less than three including aluminum alloy, magnesium alloy, fiber reinforced resin, or plastic, having a crown and a neck;
   a face member, which is made of a heavy material with a specific weight greater than four including titanium alloy, stainless, or Maraging steel, having a face and a sole; and
means for connecting the shock-absorption member and 
the face member.
2. The wood golf club head as defined in claim 1, wherein 
the shock-absorption member is provided with a reinforced 
tube in the neck.
3. The golf club head as defined in claim 1, wherein the 
means include a protrusion and a slot on the shock-absorption 
member and the face member respectively for engagement.

4. The golf club head as defined in claim 3, wherein the 
shock-absorption member and the face member have no pro-
trusion and no slot on a toe and a heel respectively.
5. The golf club head as defined in claim 1, wherein the face 
member includes at least a bore on the sole to be sealed by a 
light material.

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