Nov. 7, 1967 IWAO KOBAYASHI 3,351,330

GOLF BALL WARMER

Filed April 13, 1965

Fig. 1

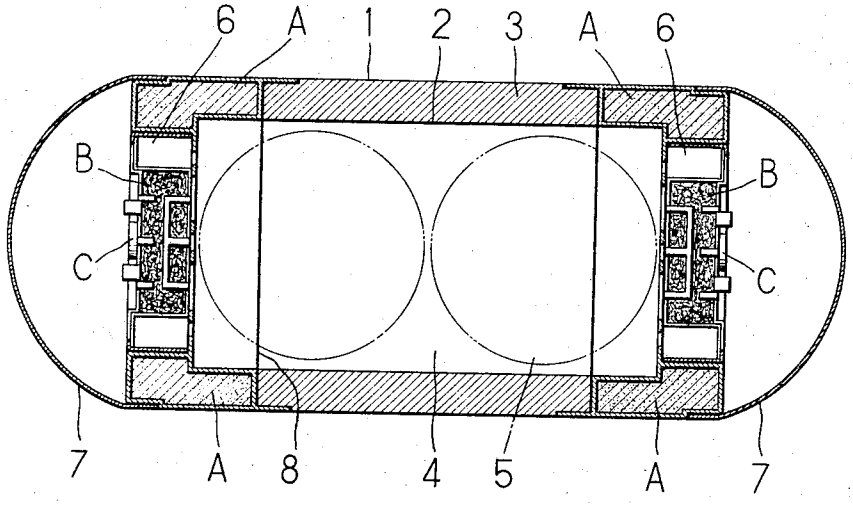
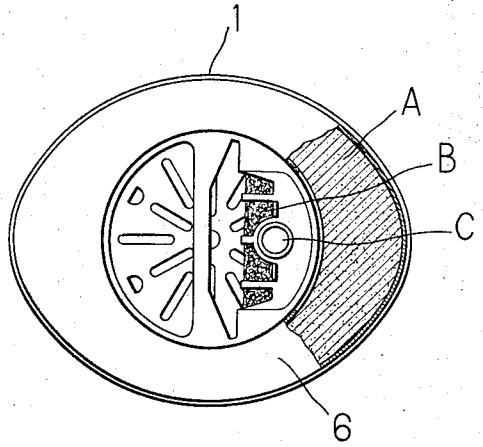


Fig. 2



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GOLF BALL WARMER

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2 Claims. (Cl. 263—5)

ABSTRACT OF THE DISCLOSURE

A golf ball warmer comprising a cylindrical center casing having a hollow interior only slightly larger in diameter than the diameter of a golf ball and an insulated wall, and being long enough for at least one golf ball, end covers removably fitted on the ends of said center casing, at least one of said end covers having a disc-shaped combustion unit in the central portion thereof and an annular fuel tank around said combustion unit coupled to said combustion unit for supplying fuel to the combustion unit, said combustion unit including an ignition means, and end caps removably fitted over the end covers for covering the combustion units when they are not operating.

The present invention relates to a golf ball warmer, and more particularly relates to a small-sized warmer which is attached to the tiny portable case of some golf balls. Its object is to carry some golf balls in a portable case, while preventing them, with the aid of the warmer, from shrinking and subsequently reducing their long shot on the golf course during the cold season, so that the golfer may enjoy his fine shot so long as in the summer time.

As is generally experienced by any golfer, his driver shot on the golf course during the cold season is greatly reduced, failing in scoring successfully much contrary to his expectation, because of the ball getting shrunk on account of the cold. In order to overcome this difficulty, the professional or any enthusiastic golfers have brought a small-sized heater with them to keep the golf balls warm during play in some ways or the other.

However, none of their devices has been found efficient to keep their balls warm enough, to say nothing of their unsightly appearance. Thus the said difficulty remained unsolved until the present invention has taken the problem in its stride.

For a more detailed description of the invention, reference will now be made to the accompanying drawings wherein:

FIGURE 1 is the longitudinally sectional elevation plan of the warmer exemplifying the invention.

FIGURE 2 is the side view of the warmer without its case cap and partly notched.

The said warmer comprises the cylindrical external barrel **1**, inside which is arranged the internal cylindrical barrel **2**, with the gap between these barrels being filled with such an adiabatic material **3** as the glass wool. The inside **4** of the said internal cylindrical barrel **2** is kept hollow with a diameter large enough to hold the ball **5** and into the openings at both ends of the said hollow inside **4** are inserted the discoidal heaters **6, 6** respectively, which are constructed for the warmer according to the invention as follows, although they may be any sort

as long as it can act as the heat source for the said warmer.

Along the peripheral portion of the disc is formed in circle the fuel tank A of a suitable capacity and in its center hollow portion is arranged the combustion unit B which is constituted of the commonly known platinum asbestos and which is equipped with the ignition plug C, while a nichrome wire is connected thereto.

On the outside of the heaters **6, 6** are put the case caps **7, 7** to be freely removable therefrom when igniting the heaters, while over the said cylindrical parts is arranged the covering section **8**.

The above-mentioned golf ball warmer is operated by igniting the fuel such as benzine of good quality and the like oozing out of the fuel tank A and saturating the said platinum asbestos, so that with the heat generated by burning the said fuel, the golf balls may be kept warm enough when carried about.

Thus the present invention provides a most efficient golf ball warmer which is not only excellent in its heat retaining property but also very attractive in its appearance, thoroughly meeting the eager desire of all golfers.

Needless to mention, the hollow inside **4** of the said internal barrel **2** can be made spacious enough to hold two or three balls at a time and the heater **6** can be limited to only one, while in case of using two heaters **6, 6**, one heater alone can be ignited depending upon the ambient temperature which may then comparatively be high.

While a preferred embodiment of the invention has been described above in detail, it will be understood that numerous modifications might be resorted to without departing from the scope of the invention as defined in the following claims.

What I claim is:

1. A golf ball warmer comprising a cylindrical center casing having a hollow interior only slightly larger in diameter than the diameter of a golf ball and an insulated wall, and being long enough for at least one golf ball, end covers removably fitted on the ends of said center casing, at least one of said end covers having a disc-shaped combustion unit in the central portion thereof and an annular fuel tank around said combustion unit coupled to said combustion unit for supplying fuel to the combustion unit, said combustion unit including an ignition means, and end caps removably fitted over the end covers for covering the combustion units when they are not operating.

2. A golf ball warmer as claimed in claim **1** in which said end covers have an annular extension thereon having an internal diameter the same as the internal diameter as the cylindrical casing and the same external diameter as the external diameter of the cylindrical casing, the space between the inner and outer walls forming part of the fuel tank, whereby a portion of golf ball can project into the interior of the annular extension.

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