



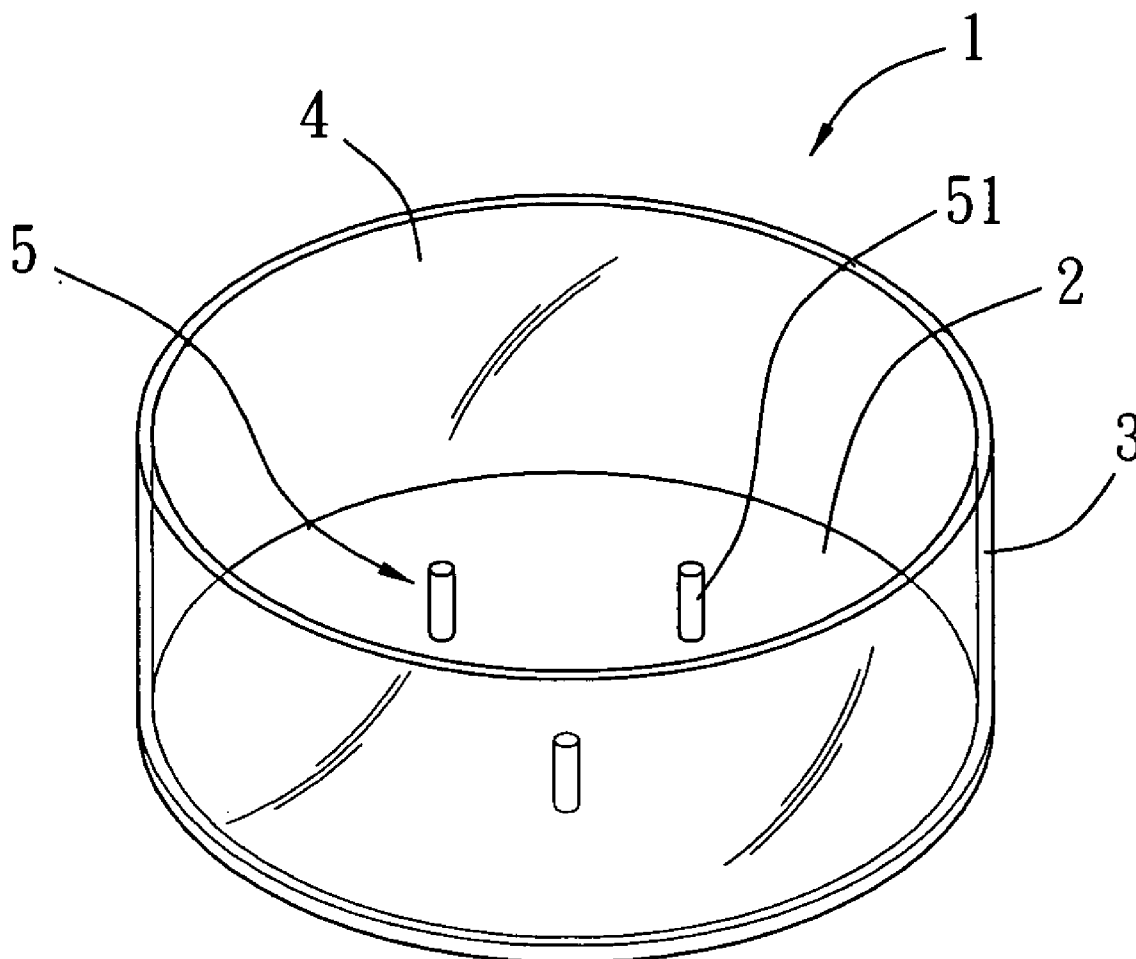
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(19) **United States**(12) **Patent Application Publication**
Sun(10) **Pub. No.: US 2007/0275336 A1**(43) **Pub. Date: Nov. 29, 2007**(54) **CANDLE HOLDER****Publication Classification**(76) Inventor: **Chung-Chin Sun, Taipei (TW)**(51) **Int. Cl.**
F23D 3/16 (2006.01)(52) **U.S. Cl.** **431/291; 431/289; 431/292**(57) **ABSTRACT**

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FALLS CHURCH, VA 22041(21) Appl. No.: **11/440,431**(22) Filed: **May 25, 2006**

A candle holder comprising a bottom plate and a lateral wall extending upwards from the periphery of the bottom plate to receive a solid fuel, and a candlewick having at its bottom a supporting plate. The top surface of the bottom plate is provided with a protruding positioning portion being used to insert into the bottom of the solid fuel for positioning the solid fuel. When the solid fuel is melting, by the positioning function of the positioning portion, the candlewick and the supporting plate can be prevented from moving horizontally.



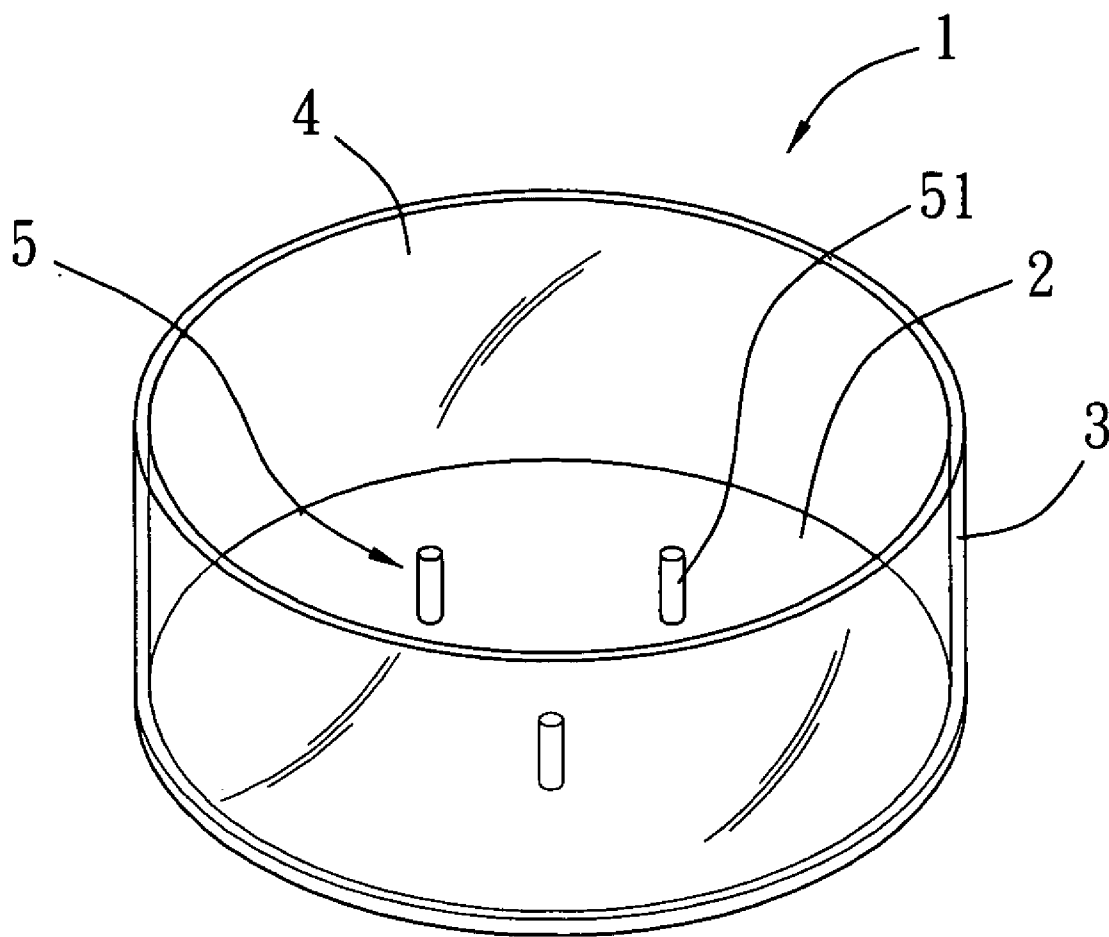


Fig. 1

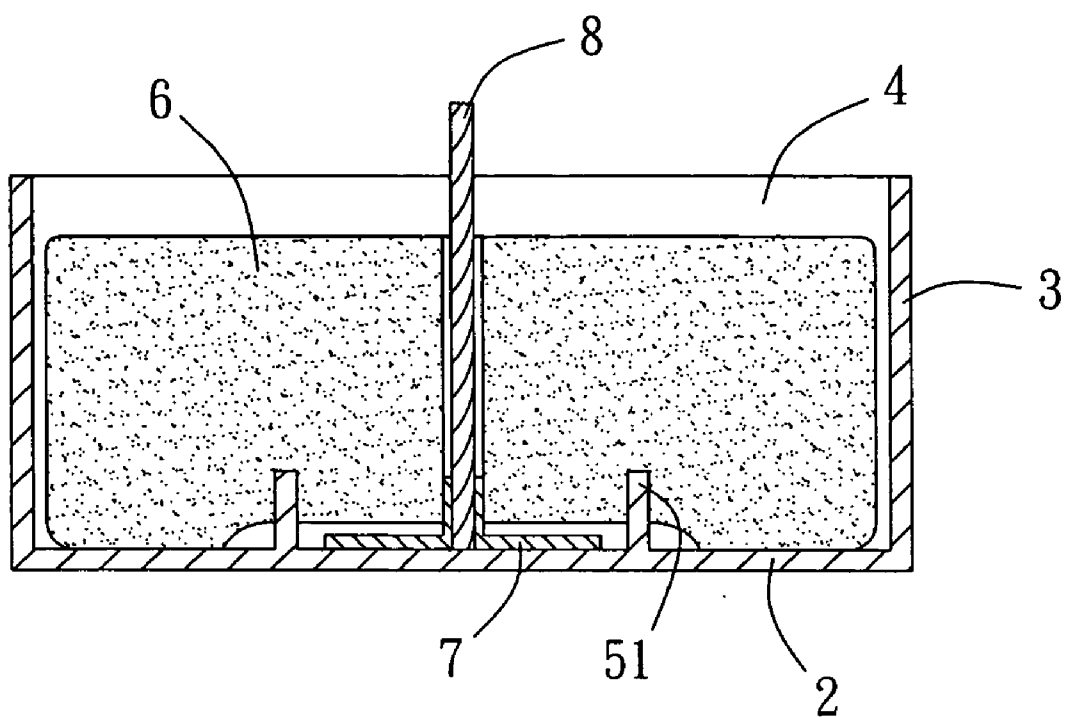


Fig. 2

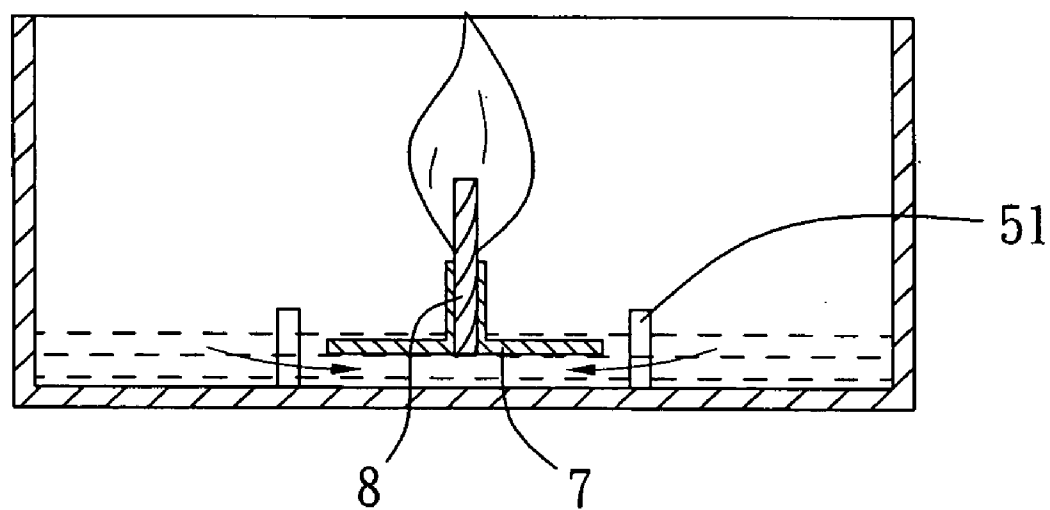


Fig. 3

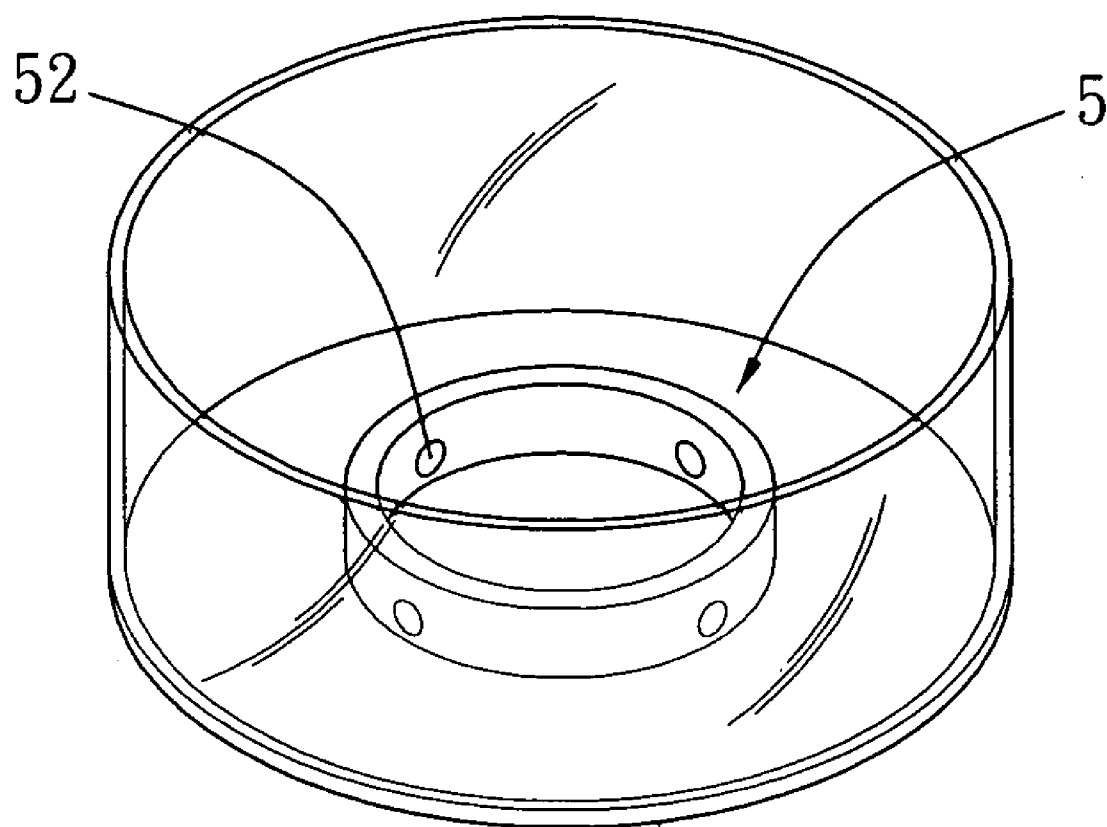


Fig. 4

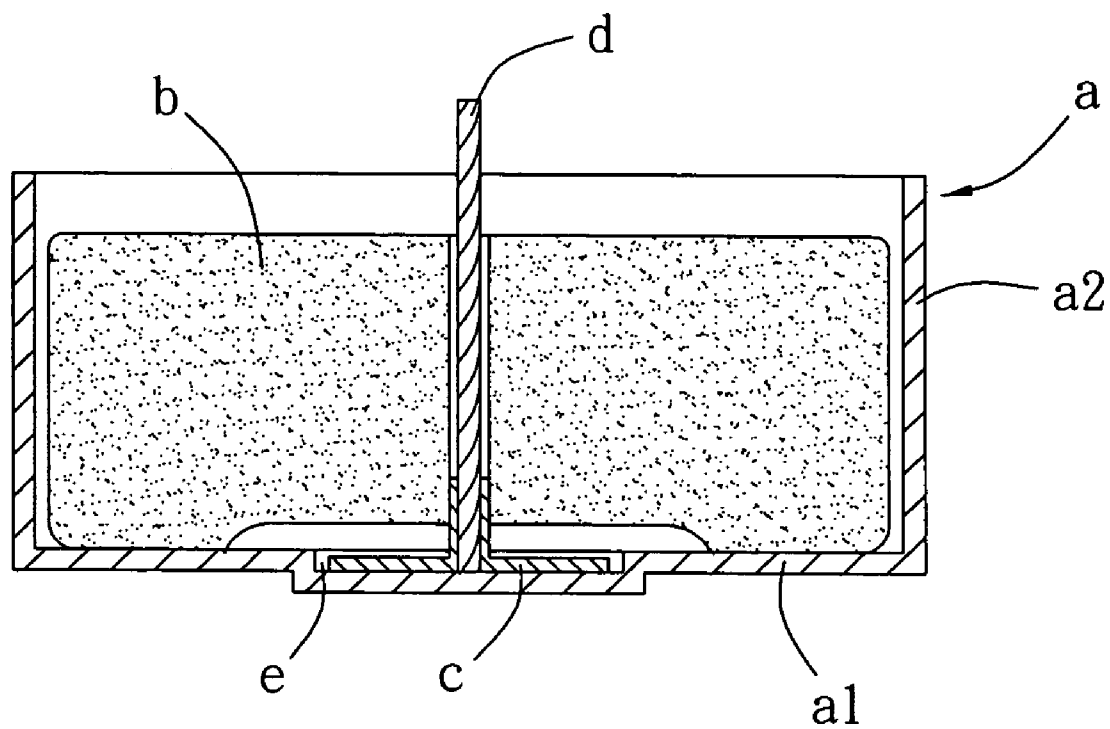


FIG. 5 (Prior Art)

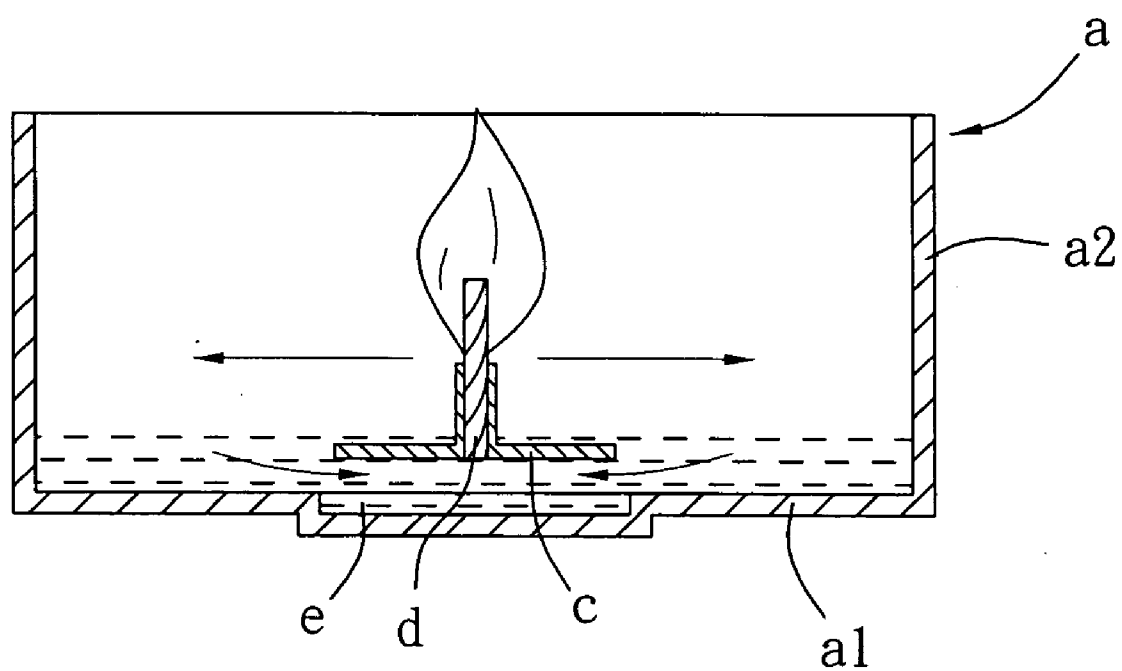


FIG. 6 (Prior Art)

CANDLE HOLDER

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

[0002] The present invention relates to a candle holder, and more particularly to a candle holder of which the top surface of a bottom plate is provided with a protruding positioning portion to position various solid fuels; and when the solid fuels is melting, the candlewick and a supporting plate of the candle holder can be prevented from moving horizontally.

[0003] 2. Description of the Prior Art

[0004] In our modern society, candles have gradually become tools for heating, warm keeping and making mood from their original function of illumination, and are largely used in houses, banquets and various important occasions.

[0005] Various candle holders are commercially available for mating with candles for the purposes of convenient use and preventing molten wax flowing all around to increase the safety and burning time when using the candles. As shown in FIG. 5, it shows a conventional candle holder "a" which mainly includes a bottom plate "a1" and a lateral wall "a2" extending upwards from the periphery of the bottom plate "a1" to receive a solid fuel "b", and a candlewick "d" having at its bottom a supporting plate "c". The bottom plate "a1" has at its center a recess "e" to receive therewithin the supporting plate "c".

[0006] The above-mentioned candle holder "a" is quite convenient for use, and has been largely used in various places. However, when the solid fuel "b" is molten into liquid, a floating force will move the supporting plate "c" and the candlewick "d" upwards, and if under slight vibration or by gentle breeze, they may move horizontally (such as shown in FIG. 6). When if the supporting plate "c" and the candlewick "d" get close to the lateral wall "a2" of the candle holder "a", they will start to heat up the lateral wall "a2" or an article near the lateral wall "a2" of the candle holder "a", and this may cause danger.

[0007] In this view, to overcome the above stated defects, and for the purposes of rendering the candle holder convenient for use and increasing the burning time as well as the safety of burning, the inventor of the present invention provides the present invention based on his professional experience of years and after further hard study and developing.

SUMMARY OF THE INVENTION

[0008] The primary objective of the present invention is to provide a candle holder, by providing a protruding positioning portion on the top surface of a bottom plate of the candle holder, when a solid fuel is melting, the candlewick and a supporting plate can be prevented from moving horizontally, this can ensure that a flame generated by burning of the solid fuel will not burn a lateral wall of the candle holder or an article near the lateral wall of the candle holder.

[0009] The secondary objective of the present invention is to provide a candle holder, by providing the protruding positioning portion on the top surface of the bottom plate of the candle holder, the protruding positioning portion can insert into the bottom of the solid fuel. Thereby various solid fuels of different shapes can be flexibly chosen for use.

[0010] In order to achieve the above stated objectives, a candle holder of the present invention comprises a bottom

plate and a lateral wall extending upwards from the periphery of the bottom plate to receive a solid fuel, and a candlewick having at its bottom a supporting plate. The main technical feature of the present invention is: the top surface of the bottom plate is provided with a protruding positioning portion, the positioning portion can be a closed raised ring having a plurality of transverse holes or can be a group of protruding stubs. The protruding positioning portion is used to insert into the bottom of the solid fuel for positioning the solid fuel. When the solid fuel is melting, by the positioning function of the positioning portion, the candlewick and the supporting plate can be prevented from moving horizontally.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] FIG. 1 is a perspective view showing the appearance of the first embodiment of the present invention;

[0012] FIG. 2 is a sectional view showing combination of a solid fuel with a candlewick of the first embodiment of the present invention;

[0013] FIG. 3 is a sectional schematic view showing the state of use of the first embodiment of the present invention;

[0014] FIG. 4 is a perspective view showing the appearance of the second embodiment of the present invention;

[0015] FIG. 5 is a sectional view showing combination of a conventional candle holder with a solid fuel and a candlewick; and

[0016] FIG. 6 is a sectional schematic view showing the state of use of the conventional candle holder.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0017] Referring to FIG. 1 showing the first embodiment of candle holder 1 of the present invention, the candle holder 1 comprises a bottom plate 2 and a lateral wall 3 extending upwards from the periphery of the bottom plate 2 to form a receiving space 4 having an opening facing upwards, the top surface of the bottom plate 2 is provided with a protruding positioning portion 5.

[0018] In the embodiment, the bottom plate 2 is circular, the periphery of the bottom plate 2 extends upwards to form a tubular lateral wall 3, the top surface of the bottom plate 2 is provided at its center with three protruding round stubs 51 to define a circularity. The heights of the stubs 51 are preferably between 0.1 mm-5 mm. The three protruding round stubs 51 together form the protruding positioning portion 5. The amount of the protruding round stubs 51 can be four or more than four, the sectional areas of the stubs 51 can be triangular, square or some other shapes, there is no limitation for them.

[0019] Referring to FIG. 2, the receiving space 4 formed from the bottom plate 2 and the lateral wall 3 can receive therein a solid fuel 6 and a candlewick 8 having at its bottom a supporting plate 7. In combination of the candlewick 8 with the solid fuel 6, the candlewick 8 is extended from below through the central interior of the solid fuel 6 to render the top end of the candlewick 8 to emerge upwards out of the solid fuel 6, while the bottom end of the candlewick 8 is connected with the center of the supporting plate 7 which is in the shape of a disk.

[0020] When the solid fuel 6 is placed in the receiving space 4, the stubs 51 are extended separately into the bottom of the solid fuel 6, and the supporting plate 7 is restrained

among the protruding round stubs **51**. As shown in FIG. **3**, during the process of burning, the solid fuel **6** is gradually exhausted and lastly, the solid fuel **6** is completely molten into liquid, and so the supporting plate **7** floats upwards. By the positioning function of the protruding round stubs **51**, the supporting plate **7** and the candlewick **8** can be prevented from moving horizontally.

[0021] Referring to FIG. **4** showing the second embodiment of candle holder **1** of the present invention, wherein the positioning portion **5** is a closed raised ring having four transverse holes **52**. When the supporting plate **7** is placed in the closed raised ring, likewise, when the solid fuel **6** is molten completely into liquid, the objective of positioning the supporting plate **7** and the candlewick **8** can be achieved. By providing the transverse holes **52** on the closed raised ring, the molten solid fuel **6** can flow around and at the inner and the outer walls of the closed raised ring to render the solid fuel **6** burned completely.

[0022] Accordingly, the present invention has the following advantages:

[0023] 1. When the solid fuel of the present invention is completely molten, the supporting plate and the candlewick can be effectively prevented from moving horizontally. This can assure safety of use.

[0024] 2. The present invention can position the solid fuel with the upwardly protruding positioning portion and it can be applied to various solid fuels with different shapes.

[0025] In conclusion, according to the description disclosed above, the present invention surely can achieve the

expected objectives thereof to provide a candle holder that is convenient for use and can increase the burning time and allow flexibly choosing for applying to various solid fuels with different shapes to assure safety in use. The present invention is therefore industrial valuable and is improved and novel, what I claim as new and desire to be secured by Letters Patent of the United States is.

1. A candle holder comprising a bottom plate and a lateral wall extending upwards from a periphery of said bottom plate to receive a solid fuel, and a candlewick having at its bottom a supporting plate, improvement of said candle holder resides in that:

a top surface of said bottom plate of said candle holder is provided with a protruding positioning portion, when said solid fuel is melting, said candlewick and said supporting plate are prevented from moving horizontally.

2. The candle holder as claimed in claim **1**, wherein said protruding positioning portion includes a plurality of protruding stubs used to restrain among them said supporting plate at said bottom of said candlewick.

3. The candle holder as claimed in claim **1**, wherein said positioning portion is a closed raised ring having a plurality of transverse holes.

4. The candle holder as claimed in claim **1**, wherein the height of said positioning portion is between 0.1 mm-5 mm.

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