

Design Resource

## Scented Wax Candles - Nainital, Uttarakhand

A Solid Wax Structure

by

Prof. Bibhudutta Baral  
NID Campus, Bengaluru

Source:

<https://dsource.in/resource/scented-wax-candles-nainital-uttarakhand>



1. Introduction
2. Tools and Raw Materials
3. Making Process
4. Products
5. Contact Details

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## Introduction

A solid wax structure with a wick in the middle is known as a candle used to provide light and heat. Candles have been used from generations to light and brighten one's celebration. In ancient times candles were also used for measuring time. The candles were made of wax extracted from a beehive. In India cinnamon is boiled to extract wax and used in temples. Different instruments have been developed to hold candles from small candleholders to decorative chandeliers.

People involved in candle making are known as Chandler. Candles became more decorative items as the use of light bulbs increased. The candle industry expanded its production methods and came up with different sizes, shapes and colors of the candle. The scented candle industry came to light in the early 19th century, with the introduction of new waxes, soy wax extracted from soybean which burns slower and is softer than paraffin and palm wax and the high demand for candles was fulfilled.

Generally, candles were foul-smelling due to the use of animal fat or tallow. Materials like essential oils and natural resins were used by the Egyptians to create scented candles in their times used by all communities. Using modern technology candles are made with a blend of oil and different variety of waxes. The different fragrances of the scented candle like freshly cut grass to relaxing aromatherapy.

Nainital a place located in Uttarakhand is a popular hill station in India. It is also famous for its wide range of colorful and aromatic candles. These candles are one of the attractions for tourism, which makes Nainital an ideal place for the scented candle industry.

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Products are arranged for commercial display and sales. Different types of scented candle to fulfill the market demand.



Heart shaped candle for occasion like Valentine's Day.

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## Tools and Raw Materials

The tools and raw materials used in candle making are:

- Paraffin wax, bee wax and soy wax.
- Double boiler to melt the wax.
- Metal molds to make different shaped candles.
- Cotton thread roll to candlewick.
- Metal wick holder to hold the wick at the bottom of the container.
- Glass and plastic containers to make container candles.
- Fragrance oil to make aroma candles.
- Candle dye is added to the moulded wax to make the candles colorful.

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Mold - Used for candle making.



Metal container - For melting wax.

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Paraffin Wax - Raw material used in candle making.

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## Making Process

Paraffin wax is the basic raw material used to make candles. Some manufacturers use a combination of Paraffin wax, soy wax and bee wax for better quality. The candles are melted in a double boiler as it controls the temperature and prevents the wax from catching flame. To melt the wax first 0.5/4th of water is added to the boiler and then the wax blocks and the wax is left to melt at 50 to 55 degrees Celsius (for container candles). For standing candles, the melting temperature is 59 degrees Celsius. A hardening agent is also added to strengthen the candle to last for a long. Candle dye of the desired color is added to the molted wax to make colorful candles. Fragrance oil is added to make aroma candles. Only 15 to 30 ml of fragrance oil should be added for 45 kgs of wax. The different types of fragrances used are Bayberry, Ocean mist, Chocolate, Jasmine, Sandalwood and many more.

To give shape to the candles (metal) molds of required designs are used. A cotton thread is used as a wick, which is used to light the candle. The cotton thread is cut into the required length according to the candle size and dipped in molted wax. The wick is tied on both ends of the mold passing through (inside). The molted wax is poured into the mold and left to cool. The candle is then removed from the mold and the excess candle is trimmed and removed using a small knife. Few Candles are painted using oil-based color.

Some of the candles are called as container candles, which are stored in a container. The container is made of glass or plastic designed in various shapes. The wick is placed in the container held with a metal wick holder and the molten wax is poured into the container. Some candles are stored in a small aluminium container as well. Few candles are hand-carved. A basic shape of a candle is dipped in molted wax of different colors. This process is continued until the required layers are formed on the candle. When the wax is still hot, the craftsman cuts the layer and forms the design of them. The design has to be made before the candle cools. Once the candles are ready they have dipped in an acrylic solution to varnish the product. The products are also decorated with sparkles and other accessories to make them look attractive.

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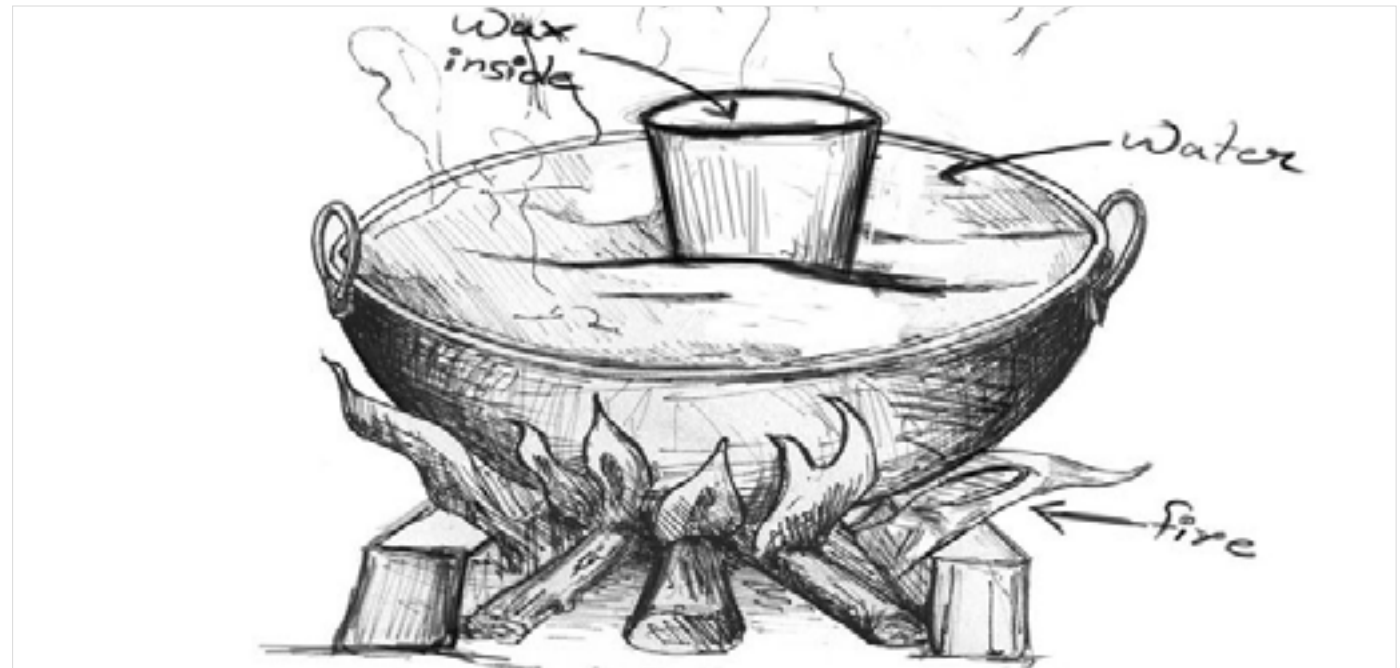
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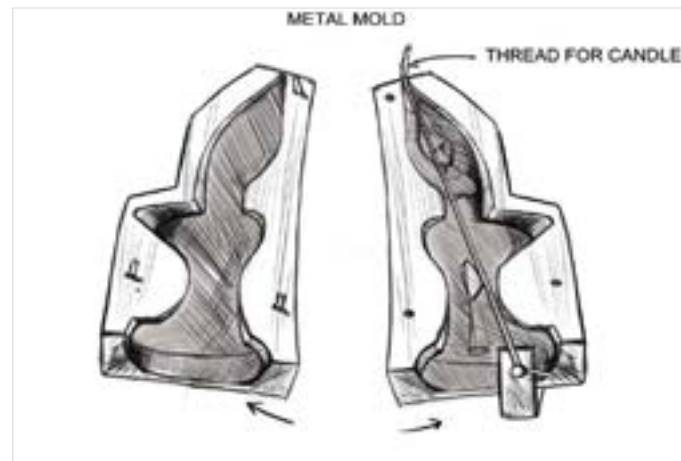
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Solid wax is melted in a metal container in boiling water to avoid burning of wax.



Cotton thread (wick) is fixed to the mold from end to end.



Molten wax is poured into the mold and allowed to set for 20 minutes.

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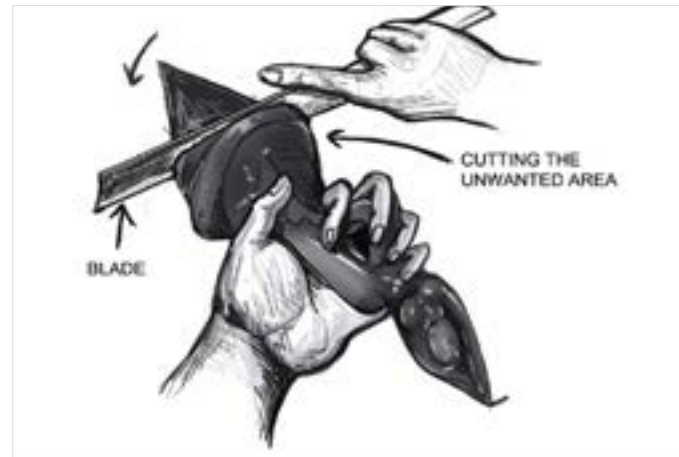
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Wax is allowed to dry for about 20 minutes.



Excess Wax is removed using blade.



Candle is painted with required colors.

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## Products

The candles are made in varieties of designs and shapes, which come in all sizes and colors. The candles add on as attractive home décor and are also used as aromatic products in homes. The candle's price range starts from Rs.5/- and goes up to Rs.3000/-. Nainital has a wide range of designed and scented candles, which are exported, to different places in India and the world.

The different types of products are Pillar candles, Floating candles, Gel candles, Jar or container candles, Floral candles, Animal and human figured candles, Aroma candles and many more.



Lord Ganesha Candle.

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Candle in the shape of a Film award.



Different types of candle to meet the market demands.

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Aromatic candles also used as room fresheners.



Scented candles used for gifting purpose.



Candles with mixture of colorful wax used as show piece.



Floral Design Candles.

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## Contact Details

This documentation was done by Professor Bibhudutta Baral, Divyadarshan C. S., Vijay G. and Shruti K. at [NID, Bengaluru](#).

You can get in touch with Professor Bibhudutta Baral at [bibhudutta\[at\]nid.edu](mailto:bibhudutta[at]nid.edu)

You can write to the following address regarding suggestions and clarifications:

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