

Technical Description of Nostalgia Mini Waffle Maker

Karen Ordonez

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Ms. Crystal Rodwell

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Introduction

Waffles are a very important dish when it comes to breakfast or even any moment of the day. It is one of the most known and popular things. Cornelius Swartwout who was a Dutch American created the first waffle iron in the United States of America in 1869. Waffles was originally named Wafles by the French but Swartwout changed the name when it got to America. A waffle iron was used to be put on top of the stove (figure 1) or a fireplace in order to heat up compared to waffle makers now which use electricity and come with indicator lights to let you know when the plates are warmed up, which is a modern version.



Figure 1: First waffle iron

The Nostalgia Mini Waffle Maker (figure 2) has been a fast growing company that has managed to sell many waffle makers because of their small design and variety. What isn't thought about is how this product is being built and how each part contributes to this functioning product. So we will be breaking it down to understand how all pieces work together and why you should own a waffle maker. Mini waffles maker comes in handy when it comes to wanting to have a quick waffle with it being able to connect wherever you find an outlet.



Figure 2: Introducing the Nostalgia Waffle Maker

Plastic Cover:

The plastic cover is what holds and keeps everything possible to make a functional waffle maker. The plastic cover comes in two separate pieces, the top cover and the bottom cover. These covers have edges that allow it to close together. The cover is an aqua color and the bottom part is a black. This product has a circular shape. The size of this is 6.75x6.5x3.5 inches. The inside part of them is shallow so that other parts can fit in there allowing to keep parts together.

Top Cover:

Along with the top cover is the handle, built in to help open and close the product which is shaped as a half moon. In the center of the top cover the brand name and product name is labeled as shown in figure 4. In the same part attached is where the indicator light is located demonstrates when the waffle maker is hot and ready to use. The “indicator light” is just a little red plastic circular cover so when the light turns on it appears as a red light.

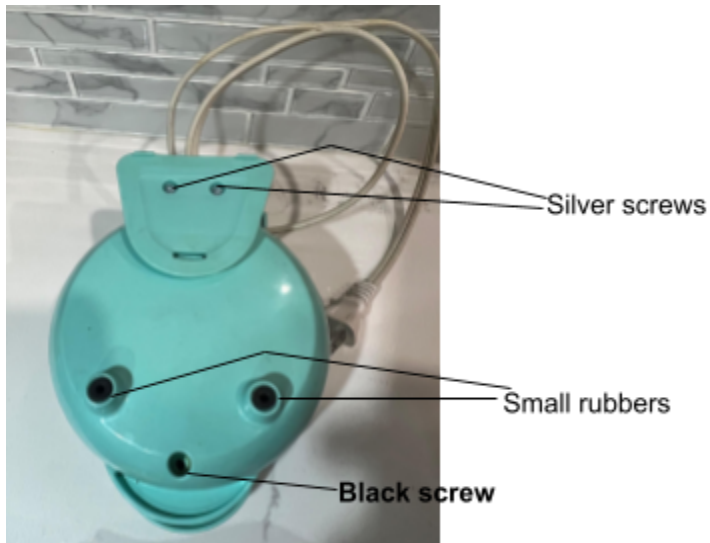
Bottom Part:

Figure 3: Bottom Cover

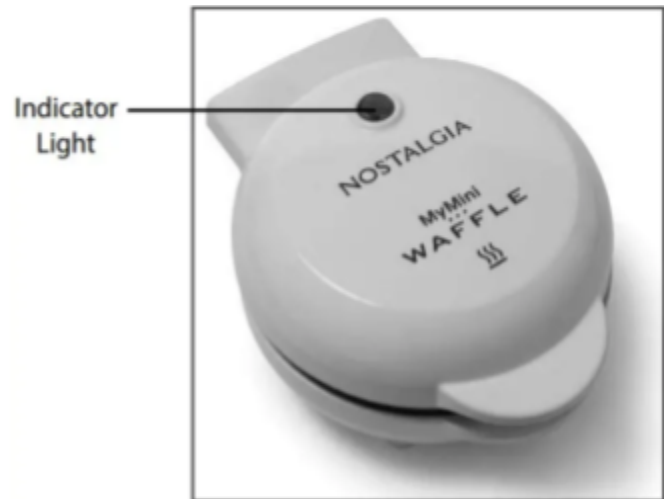


Figure 4: Top Cover

Now going to the bottom part, there are two little legs that are half an inch high to not have this product placed directly on the surface since it can get hot (figure 3). Inside the two little legs is a piece of rubber which is used so that the mini waffle makers stays stable on the surfaces and doesn't slide over when using it. Across from the two little legs is a small compartment that has a lid screwed in by two silver screws. Inside the compartment it holds part of the cable which allows it to go in through the machine to be able to connect to other parts. Since the compartment is pretty high the little plastic legs are there to balance the mini waffle maker

Aluminum Plates:

These waffle plates are made out of aluminum. The aluminum plates installed is what makes it a waffle maker. There are two plates one used as the top part and the other the bottom part which close together (figure 6). The aluminum waffle plates are strong enough to hold the heat being created and to warm it up and make it for it to be safe to use at a kitchen home or anywhere you

can find an outlet. They also are nonstick surfaces which helps a lot when cooking a waffle there. The two plates are put together by hinges allowing them to open and close smoothly and without them moving out of place. Each plate is screwed into the plastic cover by two black screws as shown in figure 5, black screws are usually used to protect from rust because they are coated in phosphate. These plates have an area of 15.9 inches and a length and width of 4.5 inches. Without these aluminum plates there is no way for the product to function because it shapes the waffle.



Figure 6: Two aluminum plates

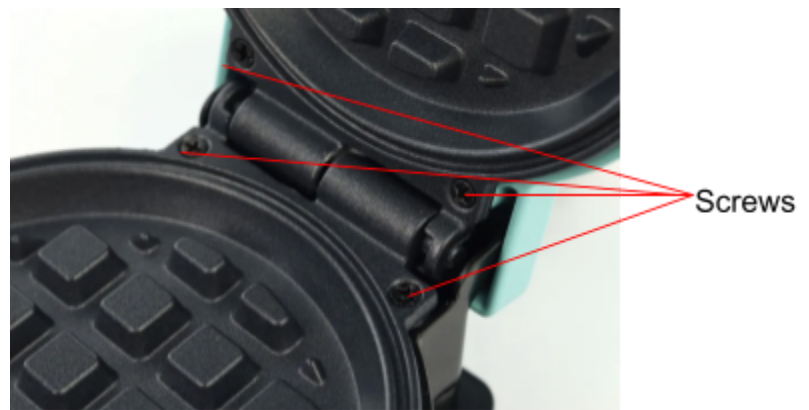


Figure 5: Screw on the iron plates

Hot Coils:

On the bottom back side of the aluminum plate there is space designed just for hot coils to go on. Which has the shape of the letter G. This is what will heat up the aluminum plates. The coils are roughly about 1 and a half inches thick. As you can see in figure 7 the waffle design is also showing a bit there so they just melted the aluminum when placing the hot coils.

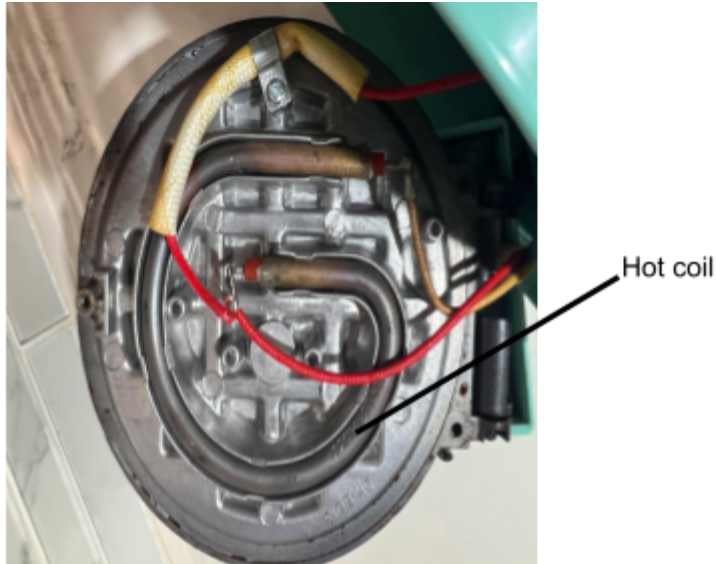


Figure 7: Back side of bottom aluminum plate

Wire Connection:

The wire connection is an important part of the waffle maker; it is what heats up the aluminum waffle plates and makes it all work. Red and blue wires collect the electricity when it gets plugged into the wall. The wires run along through both sides of the waffle plate. Since there are hot coils on both sides it needs the electricity to help warm the plates. The wires connect to the coils and to keep them in place is a metal clip. The wire on the waffle maker also helps send signals to notify when the machine is heated because an indicator light is installed on the top of the maker.

Cable Plug:

The cord to plug in the waffle maker is white and 8.2 inches long. It is a type A plug style meaning that it has a flat blade attachment plug. And the power of the electricity is 350 watts. The wire is protected with a rubber piece so that the electricity doesn't travel outside and so that you can't get electrocuted. Towards the end of the wire (figure 8) it is closed with crimp caps, electrical wire terminals connectors cap to keep the electricity safe and flowing.



Figure 8: Bottom Compartment

Inside Electricity:

Making your way through the inside the wire that comes from the plug is there to light up the little light bulb for the indicator light and connected to towards the middle and that same wire run to the bottom side of the machine where both ends of the hot coils are connected to produce energy to be able to heat them up. With the wires going all over the place they are secured by metal screwed clips. There is a blue, red and yellow wire to help electricity flow making everything work to turn on the indicator light and heat up the plates.

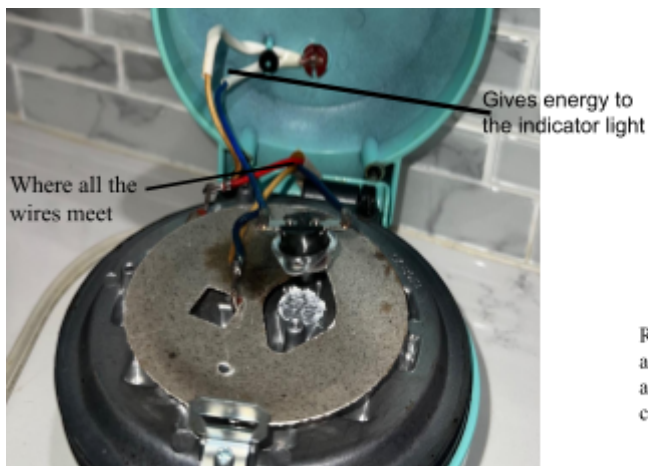


Figure 9: Top part

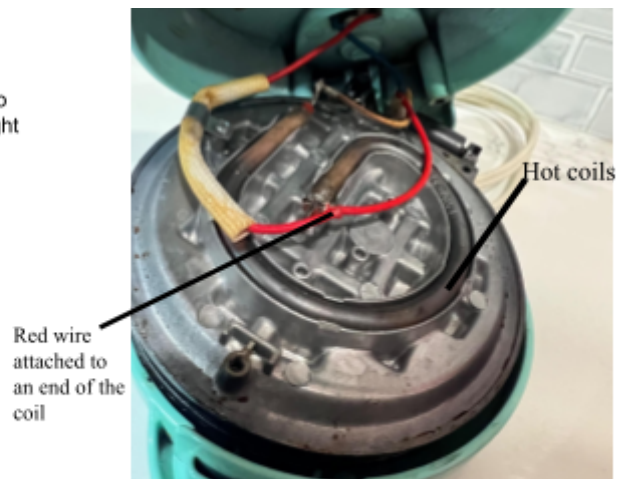


Figure 10: bottom part

Conclusion:

In conclusion the Nostalgia Mini waffle maker is an efficient product that can be easily owned by anybody. This is efficient for parents, adults and especially comes in handy for college students. This product is small and lightweight but it does the work it needs to do which is make a waffle. It all starts with the plastic covers to keep all pieces together. The waffle maker heats up to around 230 degrees which makes a quick and easy process when wanting a waffle. With the small sized item and light weight it can be taken anywhere as long as you have an outlet nearby. Since there are a variety of colors anyone can buy it to their liking with the color preferred by one. This mini waffle maker is a simple built machine. There is no need to worry and stress about learning how to use it because you just open it and close it with the handle and an indicator light on top to let you know when it is ready to be used. Anyone could put this waffle machine into great use, you can even try other recipes along with it.

References

Lee, M., Vo, L., Pham, T., Ntk N. (2023). *Nostalgia Mini Waffle Maker In-depth Review*. Healthy Kitchen 101. <https://healthykitchen101.com/waffle-makers/reviews/nostalgia/nostalgia-mwf5aq/>

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