

Introduction to Inventions and Creations

Title of Work: Hot Pot Seasoning Bowl Heating Plate

Field: Food

Source of inspiration for invention:

It comes from life--when we eat hot pot outside, we need a seasoning bowl. When we take a break, the butter will solidify quickly. The solidified seasoning dish will affect the taste of the hot pot and the appetite of the diners. If we continue to eat it, it will be easy to diarrhea. It will cause harm to the diners; but replacing the new seasoning bowl will cause a lot of waste of seasoning.

Improve life--so I plan to design a special heating dish that can heat the hot pot seasoning bowl.

Production process:

- (1) Purchase wireless charging modules and electric heating modules online;
- (2) Connect the circuit and test the heating effect;
- (3) Draw a three-dimensional model diagram on the computer according to the size of the part;
- (4) Use a 3d printer to print out the three-dimensional model diagram; (5)

Install the parts in the three-dimensional model and fix them with hot melt glue.

The function of the work:

This heating dish can gently heat the seasoning bowl. When the butter in the seasoning bowl is solidified, place the heating dish at the bottom of the seasoning bowl to melt the butter quickly and ensure the taste, mood and health of the diners. When the heating plate is not in use, it can be charged at a fixed location in the hot pot restaurant. The wireless charging method is adopted for easy access for diners.

Advantages of the work:

- (1) Using gentle heating methods, the butter in the seasoning bowl has been kept in a molten state to ensure the health of the diners and avoid diseases such as stomach troubles;
- (2) The wireless charging method is adopted, and the user does not need to manually charge, and it is easy to use;
- (3) With the heating function, diners do not need to eat quickly, and they can rest for a while and then eat, which enhances the experience of diners.

Remarks:

(1) This work is currently in a model state and uses 3D printed environmentally friendly plastics, but it is sensitive to temperature and not very resistant to heat. Therefore, when displaying, avoid prolonged opening to prevent damage to the surface of the model;

(2) Because this model uses wireless charging, when not in use, the power supply of the charging pile can be disconnected to prevent waste of electricity caused by constant charging.

