

## PATENT SPECIFICATION



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## COMPLETE SPECIFICATION.

## Child's Electric Cooking Stove.

We, WALDEMAR SCHWARZENHAUER, German citizen, of Eltersdorf, near Erlangen, Bavaria, and BING-WERKE, vorm. Gebrüder Bing A—G, a German joint stock company, of Blumenstrasse 16, Nurnberg, Germany, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The known electric cooking stoves for children's use are generally provided with two or more heating elements when intended not only for boiling but also for roasting and baking. These heating elements can be used singly or jointly by employing corresponding electric switches. The manufacture of such stoves is naturally expensive when compared with that of cooking stoves provided with only a single heating element which merely enables the top plate to be heated. Moreover, the consumption of current in stoves with a plurality of elements is far greater, in consequence of the possibility of wasteful overheating than the ordinary electric connections in private houses should be expected to provide, quite apart from the extra cost of current.

According to the invention in a children's stove having a top plate and a baking oven, these drawbacks are obviated by providing the child's cooking stove with only a single heating element, which, however, can be used not only for boiling, but also for baking and roasting. This effect is obtained by mounting the heating element on a member adapted to be turned round the baking oven, the said element being adapted to be adjusted, together with the member in relation to the top plate and the oven. In this way, the circuit arrangements are considerably simplified and the consumption of current is small, since only the single element is supplied whatever the kind of heating.

[Price 1/-]

An example carrying the invention into effect is illustrated in the drawing in which, Figure 1 illustrates a cooking stove as a section along the line A—A of Figure 2, and Figure 2 is a section along the line B—B of Figure 1, showing the switch lever.

Inside the sheet metal stove *a* is arranged a baking oven *b*, the top and bottom walls of which are parallel whilst the rear wall is curved round in a semi-circle. On the two end surfaces of the oven *b* is rotatably mounted a U shaped member consisting of the two flat leg members *c* and an intermediately secured frame member *t* in which is mounted an insulated heating spiral *m* consisting of many turns of wire. The frame *t* with its heating wire *m* forms a flat heating member denoted by *d*. Of course another form of flat heating member mounted on a bow bent out of a single piece could alternatively be used. A contact plug *f* carrying a switch lever *g* is mounted in the end wall *e* of the stove *a* and in the axial direction of the members *c*, *t* and connected with the latter. The contact plug *f* is connected to the heating element *d* by means of two wires *k*.

In the position of the switch lever *g* as shown in the drawing, the heating element *d* is in the top position underneath the top plate *h* so that pans placed thereon are heated whilst at the same time top heat is furnished for the articles baking in the oven *b*. If the switch lever *g* be turned through 180° so as to point upwards the heating element *d* comes into the position indicated by dotted lines so that the articles being baked or roasted are heated by bottom heat. If the switch lever *g* be turned towards the front the heating element *d* comes into the position indicated by dotted lines in which it heats the oven *b* from the back and in a central zone. To start the stove all that is needed is to push the plug *s* of the lead-in cable

*i* on to the contact pins of the plug *f*, and to turn the switch lever *g* into the desired position.

5 Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

10 1. In a child's electric cooking stove having a top plate and a baking oven and only one heating element, mounting such element on a member adapted to be rotated round the baking oven in order that it may be adjusted in relation to  
15 the top plate and the oven.

2. A child's electric cooking stove according to Claim 1 having a flat heating element mounted on two rotatable  
20 arms.

3. A child's electric cooking stove

according to Claim 1 wherein the heating element is mounted on a U shaped member adapted to be turned round the oven.

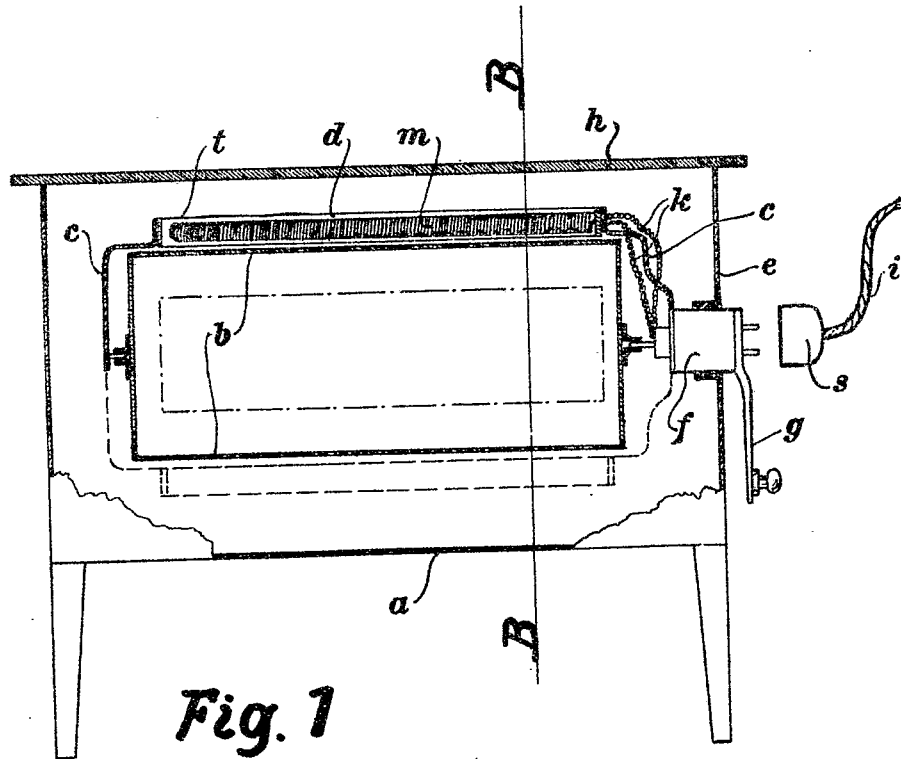
4. In a child's electric cooking stove according to Claim 1 providing legs 25 carrying the heating element with pivots mounted in the end walls of the oven and about which pivots the heating element can be turned by means of a lever, a contact plug being attached to  
30 one leg in the axial direction of the pivots.

5. The child's electric cooking stove, constructed substantially as described with reference to the annexed drawings. 35

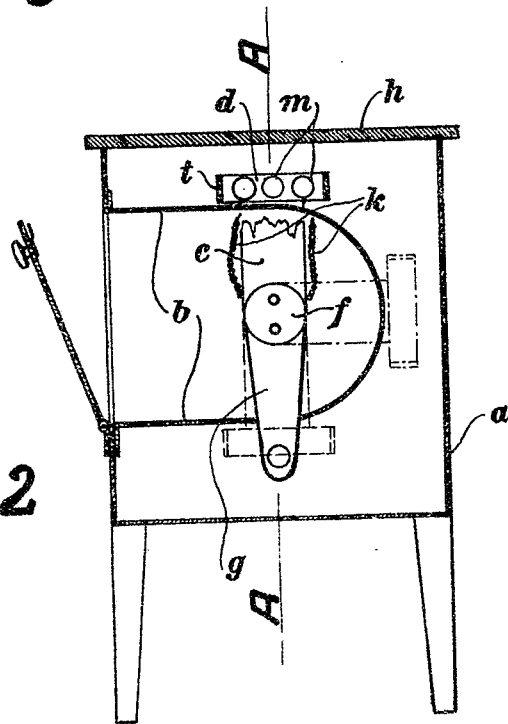
Dated this 22nd day of January, 1925.

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[This Drawing is a reproduction of the Original on a reduced scale.]



**Fig. 1**



**Fig. 2**