TOY ELECTRIC RANGE WITH ROTATABLE SIMULATED SPIT

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TOY ELECTRIC RANGE WITH ROTATABLE SIMULATED SINK

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1 Claim.

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This invention relates generally to toys and more particularly to a fully equipped miniature toy kitchen.

A primary object of the present invention is to provide a toy kitchen that is realistic, attractive, amusing, entertaining, instructive and highly exciting to children.

Another object of the invention is to provide a toy kitchen with a toy refrigerator, a toy electric range, a toy kitchen sink, a toy dishwasher and toy tables and chairs as well as simulated food.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

FIG. 1 is a front perspective view of a toy kitchen equipped according to my invention.

FIG. 2 is a front perspective view of the toy kitchen without the equipment.

FIGS. 3 to 6, inclusive, are vertical sectional views taken on the lines 3—3, 4—4, 5—5 and 6—6, respectively, of FIG. 1.

FIG. 7 is a vertical sectional view taken on the line 7—7 of FIG. 4, showing an article of food in the oven thereof.

FIG. 8 is a rear elevational view of the rotisserie shown in FIGS. 4 and 7.

FIG. 9 is a top plan view of a paper dish with simulated food thereon.

FIG. 10 is a front view of a plastic bag with accessories therein.

Referring in detail to the drawings, in FIG. 1 there is shown a toy kitchen equipped according to my invention, which kitchen is designated by the reference numeral 10. The toy kitchen 10 comprises a rectangular-shaped portable room 12 having a floor 14, side walls 16 and 18 and a rear wall 20. The front and top are open. The floor is covered with a linoleum rug 22, with a fanciful design. A series of aligned openings 24 are formed in the floor adjacent the rear wall, and a plurality of shallow recesses 26 are formed in the floor and rug at one end of the floor. A window 28 with a curtain 30 is provided in the rear wall.

In accordance with the invention, the room is equipped with toy equipment simulating most of the equipment found in a conventional kitchen. For example, as will be seen in FIG. 1, the kitchen is provided with a sink cabinet 32, a dishwasher cabinet 34, an electric range 36, a toy refrigerator 38, a toy kitchen table 40 and four toy chairs 42. The toy table and chairs are shown with their legs 44 and 46, respectively, fitted in the recesses 26 in the linoleum and floor to prevent displacement of the chairs. The sink, dishwasher, range and refrigerator have their bottoms fitted in the openings 24 in the floor to prevent displacement thereof.

The toy kitchen sink cabinet unit 32, as shown in FIGS. 1 and 5, consists of a two-part plastic cabinet including a lower section 50 and an upper section 52. The lower section 50 has a rectangular-shaped hollow body with shelves 54 and swinging door panels 56 and 58 having handles 60. A sink bowl 62 is supported at the top of the lower section. The bowl is divided by a partition into two compartments 66 and has an upstanding flange 68. A swingable faucet 70 is shown on the flange 68 extending over the bowl. Turnable knobs 70 are shown over the compartments for turning the water on and off. An outlet pipe 72 extends from the bottom of each compartment 66 to a plastic drain box 74 mounted on the rear of the section 50.

The upper section 52 has a rectangular-shaped body with shelves 76 adapted to support sink accessories thereon. Swingable door panels 80 close the body and are provided with handles 82.

A metal plate 84 is detachably mounted on a plastic plate 86 disposed between and connecting the bottom and upper sections of the cabinet. Plate 84 is held in position by means of a pin 88 projecting through a slot in the plate 86, to the rear of plate 86, where it supports a clamping spring plate 90. The metal plate 84 bears suitable indicia such as "Towels," "Foil Paper" and the like.

The toy dishwasher cabinet unit 34 is shown in FIGS. 1 and 4 and comprises a two-part plastic cabinet including a lower section 96 and an upper section 98. The lower section 96 has a rectangular-shaped hollow body with a bottom wall 100 having a central drainage outlet 102. A dish supporting plastic frame 104 is slidably supported in the hollow body and is formed with front and rear upstanding flanges 106 and 108, respectively, the front flange 106 serving as a handle for manipulating the frame. A drain box 110 is disposed below the drainage outlet 103 in the bottom wall to receive the water used for washing the dishes. A rubber hose 112 has one end connected to a spray device 114 mounted on the top wall 116 of the body, the other free end of the hose extending through an opening 118 in the top wall and through an opening in a plastic plate 120 connecting the bottom and top sections of the cabinet. The free end of the hose is adapted to be connected to a source of water supply. A door 121 with a central glass window 123 is hinged mounted for closing the front of the body. The door has a handle 125.

A metal plate 122 is mounted on the connecting plastic plate 120 for supporting the faucet 124 for controlling the supply of water and other knobs for adjusting purposes.

The upper section 98 has a rectangular-shaped body with shelves 126 for supporting accessories needed in the dishwashing operation. A spare plastic drain box 128 is removably mounted in the body behind the shelves. Swingable door panels 130 close the front of the body and are manipulated by handles 132 thereon.

The toy electric range unit 36 is shown in FIGS. 1 and 5 to 8, inclusive, and comprises a two-part plastic cabinet including a bottom section 140 and an upper section 142. The bottom section 140 has a rectangular-shaped body with a front wall 144, side walls 146 and a top wall 148.
and is open at the rear and bottom. An oven indicated generally at 150 and having a bottom wall 152, side walls 154, a top wall 158 and being open at the front, is housed in the body of the bottom section. The open front of the oven is closed by a door 159 hinges mounted on the front wall 144 of the bottom section. The door has a glass window 161 and a handle 163. A socketed bearing member 160 is mounted on the side wall 154, the side wall 158 having an opening as indicated at 162 opposite the bearing member 160. A plurality of burner plates 164 is mounted on the top wall 148, the plates being heated by a lamp bulb 166 disposed below the top wall. A pair of electric batteries 168 electrically connected to each other by bus bars 170 is mounted in a compartment 172 below the oven. Conductors 174 and 175 connect the batteries with the lamp bulb 166 for illuminating the bulb to supply heat to the burners 164.

A channel-shaped metal plate 176 is mounted on the bottom wall of the bottom section and supported between the legs 178 and 190 of the plate 174 there is an electric motor 182. The motor is connected to one of the bus bars 170 by conductors 184 and 186. Leg 178 of the plate 176 opens upwardly along the oven crossing the opening 162 in side wall 156 of the oven. The motor shaft 188 extends outwardly from the leg 178 and a broad-faced disk 190 is fixed on the outer end of the shaft. A disk 192 is mounted on the end of a shaft 194 journalled in the legs 178 and 180 of the channel-shaped plate 176. Disk 192 is in frictional engagement with the disk 190. Disk 192 has a broad hub portion 196 thereon which is in frictional engagement with a disk 198 having a socketed hub portion 200 extending through an elongated slot at the top of the leg 178 of the channel-shaped plate. This slot and hub connection permits sliding movement of the disk 198 up and down, away from and into engagement with the hub portion 196 of disk 192. The socketed hub portion 200 is connected to a bearing member 168 whereby a slot device 204 is journalled therein and adapted to support an item of food, such as a turkey 206 as shown in FIG. 7.

An electric switch is provided for controlling the heating of the burners 164 and the turning of the spit device 204. This switch comprises a metal plate 208 slidably mounted on the top of the compartment 172 housing the batteries 168. The plate carries bus bars 210 on its undersurface adapted to contact stationary contacts in circuit with the lamp bulb 166 and with the motor 182. Upon sliding the plate 208 all the way out of the bottom section by means of the handle 212 thereon, the bus bars close a circuit with the contact of the lamp bulb 166 thereby lighting up the furnace 164. Upon sliding the plate 208 all the way out, the bus bars close a circuit with the stationary contact of the motor 182 thereby turning the shaft 198 of the motor which in turn rotates the train of disks 192 and 198 thereby rotating the socket member 200 for turning the spit device 204 and turkey 206.

The top section 142 of the cabinet comprises a rectangular shaped plastic body with a shelf 216 dividing the body into two compartments to store accessories associated with a range and rostiriser. The compartments are adapted to be closed by door panels 218 provided with handles 220.

The top plate 148 of bottom section 140 is formed with a flange portion 222 for supporting a metal plate 224 supporting a temperature gauge 226 and knobs for adjusting the temperature and the like. A plastic plate 228 connects the bottom and upper sections and is provided with hooks 230 for detachably supporting pans 232 and the like.

The toy refrigerator unit 36 is shown in FIGS. 1 and 6 and comprises a two-part plastic cabinet including a bottom compartment 234 and an upper compartment 236. The bottom section 236 is divided by a partition wall 240 into a bottom compartment 242 and a top compartment 244. The bottom compartment is provided with a pair of swinging shelves 246 and the top compartment is provided with a shelf 248 for supporting articles of food and beverages as indicated at 250. The upper section 238 is divided by a shelf into a pair of compartments 252 for storing food and beverages as indicated at 254. A heavy hinged door 256 with shelves 258 closes the front of the bottom compartment, a similar door 260 with shelves 262 closes the top compartment of the bottom section. Door 256 has a handle 264 and door 260 has a handle 266. Hinged door panels 268 close the front of the upper section 238. Handles 270 are formed on the door panels.

The toy kitchen may be marketed in the form of a container, which kit includes a paper dish 272 with simulated food 274 thereon, and a transparent plastic bag 276 containing dishes 278 and other accessories.

While I have illustrated and described the preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and that various changes and modifications may be made within the scope of the invention as defined in the appended claim.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A toy electric range unit adapted for use in a toy electric kitchen comprising in combination a two-part plastic cabinet including a bottom section and an upper section, said bottom section comprising a rectangular body including a front wall having an opening therein, side walls and a top wall, being open at the rear and bottom, an oven comprising a bottom wall, side walls and a top wall and being open at the front housed in said body, a door hingedly mounted on said front wall of said body closing said opening in the front wall of said body and said open front of said oven, said door having a glass window therein and a handle, a socketed bearing member on one of said side walls of said oven, the opposite side wall of said oven having an opening therein aligned with said bearing member, a plurality of simulated burner plates mounted on said top wall of said body, an electric lamp bulb positioned below said top wall for simulating heating of said plates, means forming a compartment in said body below said oven, electric batteries in said compartment, bus bars connecting said batteries, electric conductors connecting said batteries with said lamp, a channel-shaped plate having upwardly extending legs mounted on the bottom wall of said body beneath said oven, an electric motor supported between the legs of said channel-shaped plate, an electric connection being made between said motor and said one of said bus bars, one of said legs of said channel-shaped plate extending upwardly across said opening in said other side wall of said oven and having an elongated slot therein, a motor shaft driven by said motor and extending outwardly of said one leg, a disk fixed on the outer end of said motor shaft, a second shaft journalled in the legs of said channel-shaped plate above said motor shaft, a second disk carried by said second shaft frictionally engaging said disk carried by said motor shaft, a spit device journalled in said socketted bearing member on said one side wall of said oven and extending through said opening in the other side wall of said oven and through said elongated slot, a third disk mounted on the extending end of said spit device exteriorly of said elongated slot, said third disk having a hub seating in said elongated slot and said third disk frictionally engaging a hub on said second disk, a metal switch plate slidable over said one leg of said battery compartment, bus bars on the under surface of said plate, stationary contacts in the circuit from said batteries to said bus and in the circuit from said batteries to said motor selectively engageable by said last-mentioned bus bars, a handle connected to said plate exteriorly of said plate, a portion of said plate closing a circuit through the stationary contact in said motor circuit when pulled all the way out, and being adapted.
to close a circuit with the stationary contact in said circuit to said lamp bulb when pulled partially out, said upper section of said cabinet comprising a rectangular-shaped plastic body having a shelf dividing the same into compartments for storage, swingable door panels closing said compartments, a flange carried by said top plate of said bottom section supporting a metal plate carrying a simulated temperature gauge and a simulated knob for adjusting temperature, a vertical plastic plate connecting said upper and bottom sections, and a line of article supporting hooks extending from said plastic plate.