

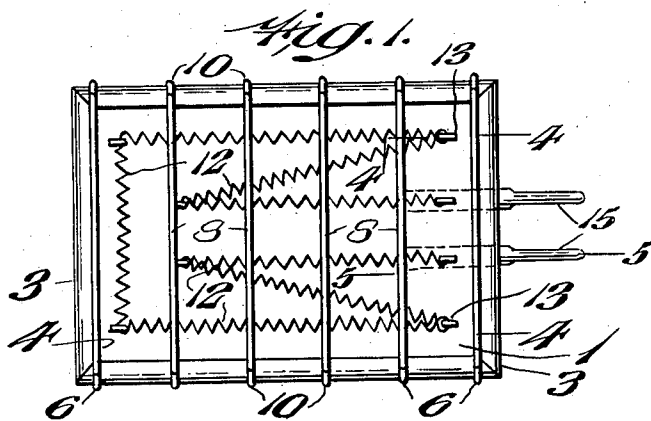
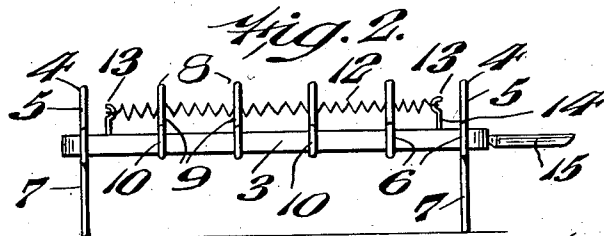
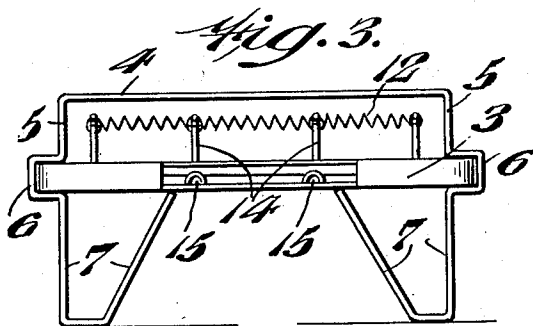
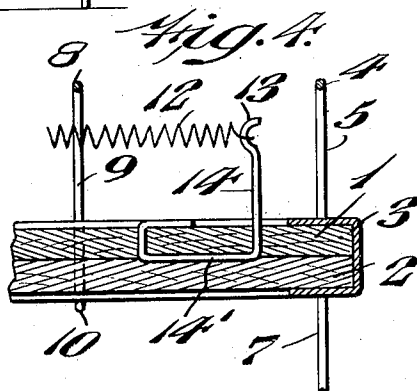
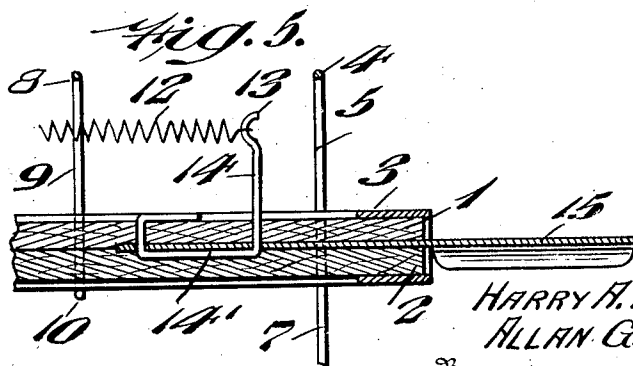
Oct. 11, 1927.

1,645,327

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ELECTRIC TOASTER

Filed June 15, 1926



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Patented Oct. 11, 1927.

1,645,327

# UNITED STATES PATENT OFFICE.

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## ELECTRIC TOASTER.

Application filed June 15, 1926. Serial No. 116,088.

This invention, generally stated, relates to kitchen utensils and has more especial relation to toasters or like devices of the electric type.

5 The leading object of the present invention is to provide a neat, simple, efficient, practical and inexpensive electric toaster or like devices which may be made up very cheaply and possibly be sold over the counter of so-called 5 and 10 cent stores.

10 A further object is to provide an arrangement, construction and combination of parts for attaining the results sought by the said leading object.

15 A further object is to provide an article of the character stated the parts of which may be readily formed by machinery and assembled by machinery so that little or no hand-work is required.

20 Other and further objects not at this time recited will be referred to hereinafter.

The invention consists of the novel construction hereinafter described and finally claimed.

25 The nature, characteristic features and scope of the invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, and in which:

30 Fig. 1, is a top or plan view of an electric toaster or like device embodying the invention.

Fig. 2, is a side view thereof.

Fig. 3, is an end view thereof.

35 Fig. 4, is a fragmentary view illustrating the arrangement of filament posts; and

Fig. 5, is a similar view illustrating the terminal elements as secured between asbestos boards and is taken upon line 5-5 of Fig. 1.

40 For the purpose of illustrating our invention we have shown in the accompanying drawings one form thereof which is at present preferred by us, since the same has been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which our invention consists can be variously arranged and organized and that our invention is not limited to the precise arrangement and organization of the instrumentalities as herein shown and described.

45 In the drawings the reference numeral 1 designates a sheet of material non-conductive both thermally and electrically, and the number 2 a companion board. These two

boards are arranged in superimposed relation and are marginally secured together by means of a strip of metal 3 so as to provide a thin, flat and rectangular base part. 60 Because of the small and very cheap device under consideration, waste asbestos board may be employed, and these parts shall be hereinafter referred to as asbestos boards or sheets, although not limited to 65 this material. The supporting parts for the above described base are formed of wire, each support comprising a single piece of wire bent to form a horizontal, laterally extended top part 4 having vertical portions 70 5, bent at 6 to engage around the strip 3 and thereafter bent downwardly and upwardly to form legs 7. It will be understood that these supports may be detached, for packing purposes, so as to reduce the bulk 75 of the device. Arranged in the same horizontal plane with the top parts 4 of said supports are other horizontally arranged, laterally extended wires 8 having vertical parts 9 and parts 10 bent around the strips 80 3. The end wires and intermediate wires are used to receive, for instance, bread and the like to be toasted, the edible being supported by said wires free of the heating element. The heating element, which is 85 designated 12, is supported by hook-like parts 13 of staples 14. The staples 13 pierce the uppermost asbestos sheet or plate, are extended horizontally thereunder, as at 14', are passed up through said upper sheet of 90 asbestos, and are clamped over the top surface of said upper asbestos sheet. These staples are arranged at each end of the device. One end of the device is provided with terminal connections 15. As clearly shown 95 in Fig. 5, two of the staples are caused to pass through these terminals so that electrical connection is maintained between two of said staples and the heating element 12 100 which is a piece of resistance wire wound around the various staples as shown to complete an electrical circuit with said terminals. The above described device is of a size to accommodate one slice of bread, is very simple, compact, and exceptionally 105 cheap, the advantage of which is readily apparent, particularly for use in summer colonies where elaborate and expensive toasters are not desired. For example, after one 110 season's use the above described device may be discarded on account of its cheap structure.

By the above arrangement of parts there is provided an electrical toaster or like construction employing a heating element in a horizontal plane with a supporting pad of thermally and electrically resistant material in a horizontal plane at a lower level, the whole being raised on appropriate feet above the surface on which it may rest, thereby preventing transfer of heat from the heating element to the resting surface as follows:

(a) Radiant heat is intercepted by the pad, and (b) conduction of heat is impeded by the triple action of the layer of air between the element and the pad, by the heat-resistance of the pad and by the layer of air between the pad and the surface on which the device may rest.

It will now be apparent that we have devised a novel and useful construction which embodies the features of advantage enumerated as desirable in the statement of the invention and the above description and while we have in the present instance shown and described the preferred embodiment thereof which has been found in practice to give satisfactory and reliable results, it is to be understood that the same is susceptible of modification in various particulars without departing from the spirit or scope of the invention or sacrificing any of its advantages.

What we claim is:

1. A device of the character stated comprising a pair of superimposed sheets of non-conducting material, a heating element arranged in a plane above the uppermost sheet, a plurality of staples anchored between said sheets and each provided with a hooked end to support said heating element, and a pair of terminal pins, two of which staples pass through said terminal pins for electrical and securing connection.

2. A device of the character stated comprising a pair of superimposed sheets of non-conducting material, a strip of metal marginally engaging said sheets to secure

same as a unitary structure, a heating element arranged in a plane above the uppermost sheet, a plurality of staples anchored between said sheets and each provided with a hooked end to support said heating element, and a pair of end members formed of wire bent to engage around said strips of metal and terminating in supports or feet.

3. A device of the character stated comprising a pair of superimposed sheets of non-conducting material, a strip of metal marginally engaging said sheets to secure same as a unitary structure, a heating element arranged in a plane above the uppermost sheet, a plurality of staples anchored between said sheets and each provided with a hooked end to support said heating element, a pair of end members formed of wire bent to engage around said strips of metal and terminating in supports or feet, and additional wires arranged above said heating element and in the same plane as said end members to accept an edible to be toasted or the like.

4. A device of the character stated comprising a pair of superimposed sheets of non-conducting material, a heating element arranged in a plane above the uppermost sheet, means upon the upper sheet arranged to support said heating element, terminal pins having flat inner ends, said flat ends being fitted between said sheets, means passing through the upper sheet for securing said terminal pins to said upper sheet, a metal stand having parts arranged above said heating element to support articles to be heated, and parts below said heating element forming legs that part of the stand between the support and legs being bent right angle fashion to engage around and clamp the marginal edges of said sheets to form a unitary structure.

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