Nov. 10, 1925. 1,561,291

C. AALBORG

TOASTER BASE AND FOOT

Filed April 6, 1923

Fig. 1.

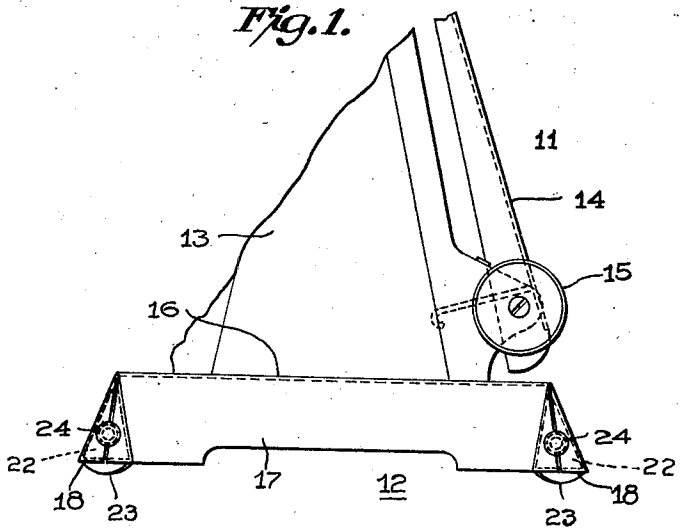



Fig. 2.

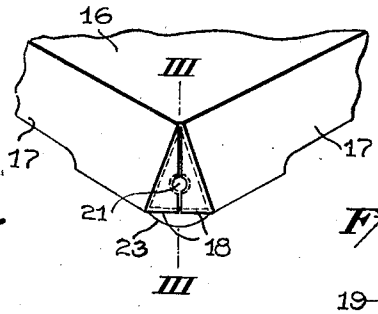



Fig. 4.

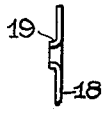



Fig. 5.

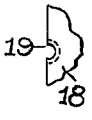
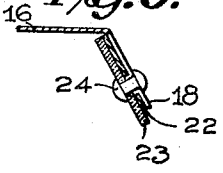



Fig. 3.




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Patented Nov. 10, 1925. 1,561,291

# UNITED STATES PATENT OFFICE.

CHRISTIAN AALBORG, OF PITTSBURGH, PENNSYLVANIA, ASSIGNOR TO WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, A CORPORATION OF PENNSYLVANIA.

## TOASTER BASE AND FOOT.

Application filed April 6, 1923. Serial No. 630,269.

*To all whom it may concern:*

Be it known that I, CHRISTIAN AALBORG, a citizen of the United States, and a resident of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Toaster Bases and Feet, of which the following is a specification.

My invention relates to electric table cooking devices and particularly to bases therefor.

The object of my invention is to provide a relatively simple, inexpensive and easily constructed base for an electric table cooking device.

In practicing my invention, I provide a base formed from a piece of relatively thin sheet metal comprising a top portion and a plurality of integral depending flanges. The end portions of the flanges are angularly disposed relatively thereto and adjacent end portions are located in opposing spaced relation in the same plane. Each end portion is provided with an inwardly extending integral lug, of arcuate cross-section, each adjacent pair of lugs providing a substantially circular opening between said flange ends.

A perforated metal plate, slightly thicker than the lugs, is located adjacent to the inner surfaces of the end portions and surrounds the lugs to interlock therewith. A relatively thin base-supporting member, of a suitable heat-insulating material, rests against the inner surface of the perforated plate, extending a short distance below the edge of the flanges, and is held in place by a bolt or rivet passing through the circular opening between the end portions of the base flanges.

In the single sheet of drawings,

Figure 1 is a partial view, in end elevation, of an electric toaster comprising the device embodying my invention,

Fig. 2 is a fragmentary view, in perspective, of a base comprising the device embodying my invention,

Fig. 3 is a sectional view through a portion of the base taken on the line III—III of Fig. 2,

Fig. 4 is a view, in side elevation, of an end portion, and

Fig. 5 is a view, in front elevation, of the part illustrated in Fig. 4.

An electric toaster 11, only a portion of which is illustrated, comprises a base 12, a pair of side frames 13, and a plurality of trays 14 supported by the side frames 13 and having a turning movement relatively thereto. A knob 15 is provided at each side of the trays 14, (only one of which is illustrated in the drawings) to permit of the operator actuating the tray during the toasting operation.

This application is closely related to the application of Ora A. Colby, Serial No. 630,271, filed April 6, 1923, and assigned to the Westinghouse Electric & Manufacturing Company, to which application further reference may be had for details of construction of the side frames, of the trays and of other parts of the device. While I have elected to illustrate my invention as embodied in a toaster, its use is not limited thereto as it may be used with any similar device requiring a base such as is embodied in my invention.

The base 12 comprises a flat top portion 16 and a plurality of integral depending flanges 17 that are angularly disposed relatively to the top portion 16. Each of the flanges 17, of which any number may be provided, but as here illustrated, are four in number, are provided with end portions 18 that extend angularly relatively to the flanges 17 and are located in substantially the same plane relatively to each other. Each of the end portions is substantially triangular in contour and the opposing edges thereof extend to within a short distance of each other.

Each of the end portions 18 is provided with an inwardly-extending, integral lug 19 of substantially arcuate cross-section. The lugs 19 are each substantially 180° in angular extent and may be formed by punching out a small portion of the sheet metal comprising the end portions 18. The two lugs 19 co-operate in pairs to form a substantially circular opening 21 extending laterally through and between the opposing end portions 18 at each corner of the base 12.

A relatively thin sheet metal strip 22 of substantially triangular contour and provided with an opening of sufficient size to fit closely around the peripheral surface of the two lugs 19 is located immediately adjacent to the inner surfaces of the end portions 18. The thickness of the metal mem-

ber 22 is slightly greater than that of the lateral extent of the lugs 19, and the member 22 interlocks with the lugs 19 to prevent any separation of the end portions 18 from each other.

A foot or supporting member 23 is provided for each corner of the base 12 and comprises a relatively thin piece of a suitable heat-insulating material, the outer surface of which operatively engages the inner surface of the member 22, a clamping means, such as a rivet 24 being provided and extending through the opening 21 to hold the two end portions 19 and the members 22 and 23 in close operative engagement. The member 23 extends a short distance below the bottom edge of the end portions 18 in order to raise the base above the surface upon which the device may be placed.

The device embodying my invention is one which may be formed relatively easily by a relatively few punching and forming operations and is one that permits of cleaning and polishing the entire outer surface of the base and of the same without difficulty as substantially all of the surfaces are plane.

Various modifications and changes may be made in the device without departing from the spirit and scope of my invention, and I desire, therefore, that only such limitations shall be placed thereon as are indicated in the appended claims or are imposed by the prior art.

I claim as my invention:

1. A base comprising a metal sheet having integral depending flanges, the end portions of said flanges being angularly disposed relatively thereto and having integral laterally-extending arcuate portions and means operatively engaging said arcuate portions for holding said flanges in proper operative position.

2. A sheet metal base comprising depending flanges, laterally-extending lugs, of arcuate cross-section, on said flanges, and means co-operating with pairs of said lugs to interlock the same and maintain said flanges in proper operative position.

3. A sheet metal base having integral depending flanges, integral end portions on said flanges extending angularly therefrom in opposed spaced relation, an integral laterally-extending lug on each of said end portions, a perforated member surrounding said lugs, and means for holding said perforated member in its proper operative position.

4. A sheet metal base having integral depending flanges, integral end portions on said flanges extending angularly therefrom in opposed spaced relation, an integral, laterally-extending lug, of arcuate section, on each of said end portions, a perforated, relatively thin, member operatively engaging one surface of said end portions and surrounding said lugs to interlock the same, a base-supporting member having one surface operatively engaging one surface of said perforated member and means for holding said end portions, perforated member and base-supporting member in proper operative positions.

5. A sheet metal base comprising a plurality of flanges, integral, laterally-extending lugs, of arcuate cross-section, on said flanges at the ends thereof, a relatively thin perforated member surrounding two adjacent opposed lugs, and means extending between said lugs and through said perforated member to maintain the ends of said flanges in proper operatively alined positions.

6. A sheet metal base comprising a plurality of flanges, integral, laterally-extending lugs, of arcuate cross-section, on said flanges at the ends thereof, a relatively thin, perforated member surrounding two adjacent opposed lugs to interlock therewith, a base-supporting member located adjacent to said perforated member and extending beyond said flanges, and means for holding said flanges, perforated member, and base-supporting member in close operative engagement.

7. A sheet metal base comprising a top portion and a plurality of integral flanges, integral, lugs of arcuate cross-section, on said flanges at the ends thereof, pairs of said lugs co-operating to provide substantially circular openings between said flange ends, and means extending around said lugs and through said openings to maintain said flanges in proper operative position relatively to each other and to said top portion.

In testimony whereof, I have hereunto subscribed my name this 26th day of March, 1923.

CHRISTIAN AALBORG.