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A. H. BRODBECK

2,535,528

RANGE BASE

Original Filed Oct. 14, 1944

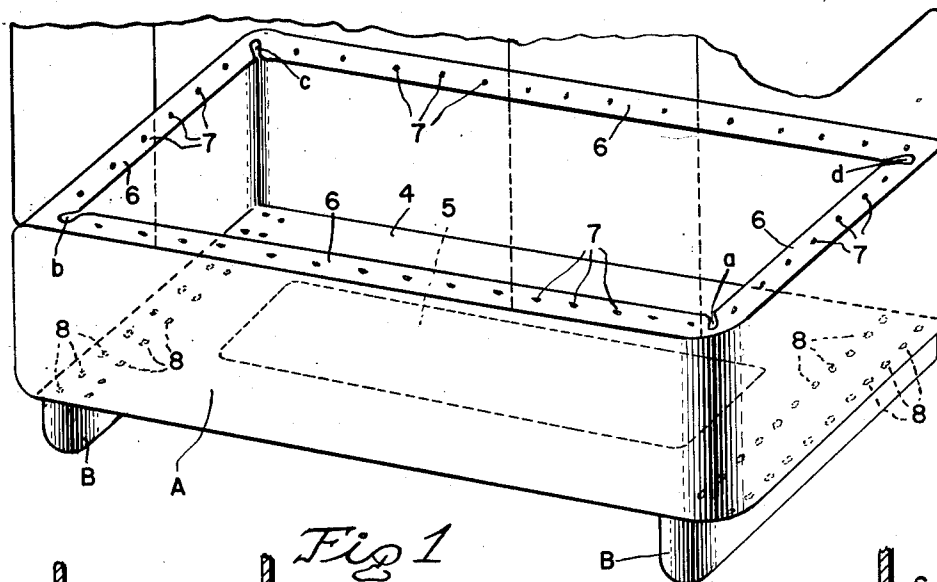


Fig 1

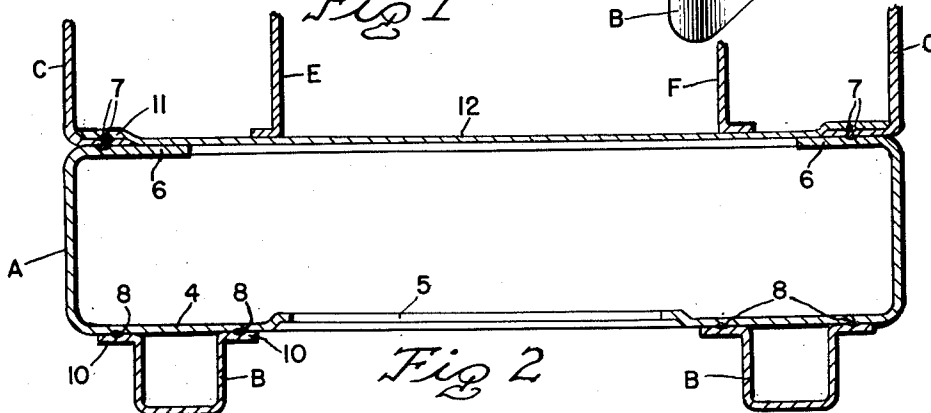


Fig 2

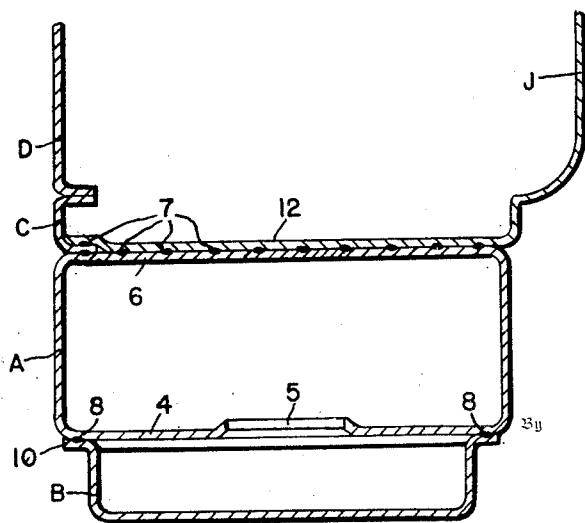


Fig 3

Inventor

A. H. Brodbek

Patent Attorneys

UNITED STATES PATENT OFFICE

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RANGE BASE

Almer H. Brodbeck, St. Louis, Mo., assignor to
American Stove Company, St. Louis, Mo., a
corporation of New Jersey

Original application October 14, 1944, Serial No.
558,701. Divided and this application January
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1 Claim. (Cl. 126—305)

1

This invention pertains to ranges but more particularly and specifically constitutes a novel and improved base for ranges, and this application is a division of my pending application Serial No. 558,701, filed October 14, 1944.

The primary object of the invention is the provision of a range base of a novel and improved construction.

Another object of the invention is the provision of a range base made in its entirety in one piece to enable the base to be quickly and comparatively cheaply manufactured.

Another and further object of the invention is the provision of a base constructed in a manner to facilitate and simplify the attachment of the numerous range parts to the base and to thereby reduce the cost of the assembly of a range.

Other objects of the invention and novel features of construction thereof and the manner of association and attachment of the range to the base will appear from the following description, when read in the light of the accompanying drawings, and can be ascertained from practice and use of the invention.

In the drawings:

Figure 1 is a perspective view of the base, other range parts being illustrated in association therewith.

Figure 2 is a longitudinal vertical sectional view through Figure 1.

Figure 3 is a transverse vertical sectional view through Figure 1.

The application of which the present application is a division discloses and describes a complete cooking range and the invention thereof pertains to the provision of a novel and simplified range construction for the purpose of enabling the production of a range at a much reduced cost, which object is accomplished, to a large degree, by making or forming the range parts in a manner so that the entire framework or structural basis of the range can be spot, line, or seam welded together.

The invention of the said application also resides in a range which is composed of a far lesser number of parts than those heretofore found necessary in the production of a range.

The base constituting the present invention contributed to the accomplishment of the objects of the invention of the parent application, as will more clearly appear from the following description.

A range base embodying the present inventive concept can be advantageously utilized in ranges

2

of many varied constructions, and accordingly the invention is not to be limited by the specific type of range illustrated in the accompanying drawings and hereinafter described.

A base embodying the present inventive concept can be used in combination with practically any range. It is intended that the base extend under substantially the entire bottom of the range and accordingly the size and configuration of the base would be determined by the size and configuration of the range which it is to support. Accordingly although the base illustrated in the drawings is of a rectangular shape it will be understood that it could be made in other shapes and that the drawings are merely illustrative of the invention and that the inventive concept is not to be limited thereby but only by the terms of the hereinafter following and appended claim.

The base as an entirety is designated by A and is shaped, preferably drawn, from a single piece of metal. Being made of a single piece of metal the end, front and side walls of the base are continuous. At their upper ends these walls are bent at right angles to form an inwardly extending horizontally disposed circumferential flange 6 and at their bottom edges the walls are similarly returned to form a horizontally disposed bottom 4. To facilitate formation of the flange 6 it is cut out at its four corners at a, b, c, and d. To the end of reducing the overall weight of the range the bottom is preferably cut out to form an opening 5.

When assembled in a range those range parts embodying the range oven or ovens, cooking top and the parts of a range normally above a range base are supported upon the inturned flange of the base and are welded thereto as will be hereinafter pointed out. It is intended that the base be supported upon legs and these are welded to the base as will later appear. Referring particularly to Figures 2 and 3 of the drawings it will be seen that the end walls C of the range are provided with a flange 11 at their lower ends which rest upon the base flange 6 and that the range bottom 12 rests likewise upon the base top flange 6 and overlaps the lower flanged edges of the side walls. The parts are secured in this position by a series of spot welds 7 but it is to be understood that should it be found preferable either a line or seam weld could be used to secure the parts rigidly together. Such other range supporting elements as are present in the particular range with which the base is used are supported upon the range bottom 12. Two such elements E and F are illustrated and they can

be welded, bolted or otherwise suitably rigidly secured to the range bottom.

A pair of legs of a specific and unconventional construction are illustrated as supporting the base but legs of other constructions could be used without departing from the inventive concept. Irrespective of the type of leg used it is secured to the inturned flange forming the bottom 4 of the base. In the drawings a pair of legs B are illustrated and each of them extends substantially throughout the depth of each end of the range base, that is, from the front to the back of the base. Each of these legs is made of a single piece of metal and is hollow but has a closed bottom, upon which the leg rests, and an open top surrounded by an outwardly extending horizontally disposed flange 10 which extends throughout the periphery of the leg. This flange 10 abuts the under side of the base bottom 4 and is secured thereto by a series of spot welds 8. As has been pointed out in respect to the parts secured to the top flange 6 of the base the legs could be secured by line or seam welding rather than by spot welds should it be found desirable.

From the foregoing it will be seen that the base is of an extremely simple construction and lends itself to and facilitates greatly a rapid, simple and time-saving assembly of a range. The base itself can be quickly and therefore cheaply fabricated by reason of being made of a single piece. By making the base of sheet metal the overall weight of the range is materially reduced as is likewise the cost. Most ranges are provided with a baked enamel finish and sheet metal is well suited to receive such a finish. Utilizing legs of the character illustrated and described and made of sheet metal reduces the cost of production of the legs and of the attachment thereof to the base and thereby reduces the overall cost of the range. Such legs also reduce the overall weight of the range and like the base lend them-

selves well to the reception of the usual baked enamel finish.

To those skilled in the art other advantages will be readily apparent without specific and detailed reference thereto.

I claim:

A range and a supporting base therefor, said base being drawn from a single piece of sheet metal and comprising, a hollow rectangular frame having vertically extending and parallel front and rear walls and vertically extending and parallel end walls, the upper and lower ends of all of the said walls having inwardly extending horizontally disposed flanges, the flanges at the lower ends of the front and rear walls being of identical width and sufficiently wide to close substantially one-half of the space between said walls, the flanges at the lower ends of the end walls being of the same width as the flanges at the lower ends of the front and rear walls, the flanges at the upper ends of the side walls being comparatively narrow, and said flanges at the corners of the base being cut away from their inner edges towards the base walls with said cut-away portions terminating short of said walls.

ALMER H. BRODBECK.

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