Sept. 5, 1939. S. KLUTE 2,171,852

RANGE BASE

Filed Feb. 28, 1938

FIG. 1.

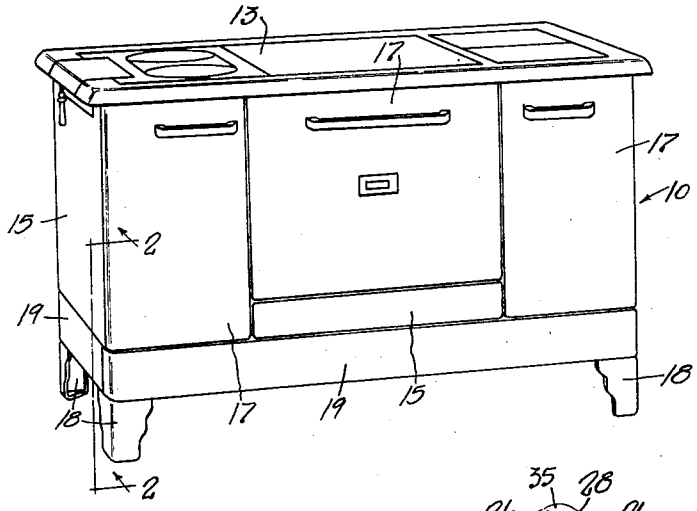


FIG. 2.

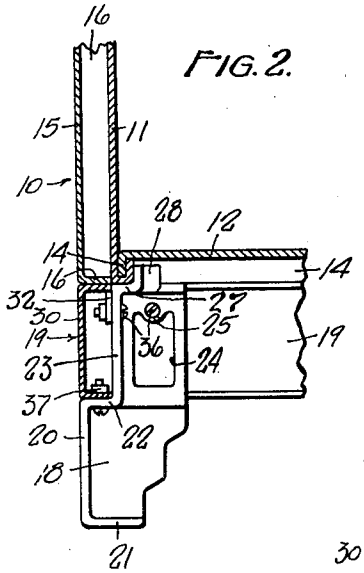


FIG. 3.

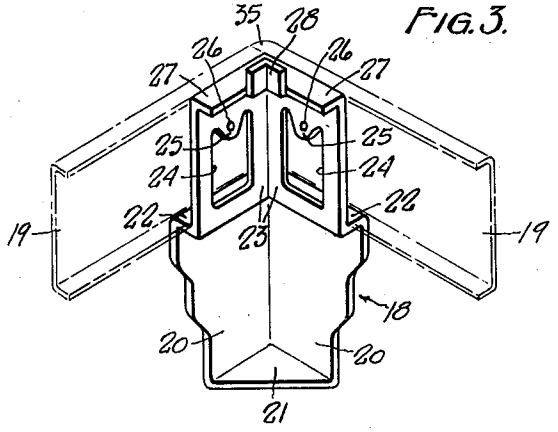
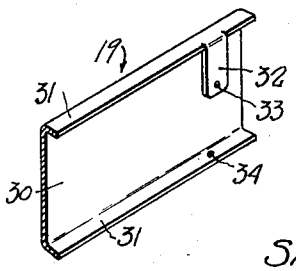


FIG. 4.



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RANGE BASE

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Application February 28, 1938, Serial No. 192,979

6 Claims. (Cl. 126—305)

This invention relates to range bases, and particularly to the base of a cooking range.

Heretofore it has been conventional practice to form the base of a cooking range entirely of cast parts. This has rendered the range base heavy in weight, quite expensive to make and to ship, and has entailed difficulties in respect to enameling and finishing.

It is, therefore, the primary object of this invention to form a range base of cast leg units interconnected by sheet metal rails.

A further object is to provide a base of this character wherein the rails are flush with the exposed portions of the legs and the range cabinet but sustain no weight.

A further object is to provide a base comprising cast legs interconnected and positioned by sheet metal rails and having securing means therefor which are entirely concealed.

A further object is to provide a range leg of novel character and construction.

Other objects will be apparent from the description and appended claims:

In the drawing:

Fig. 1 is a perspective view of a range.

Fig. 2 is a fragmentary vertical sectional view taken on a line 2—2 of Fig. 1.

Fig. 3 is an interior perspective view of the leg construction.

Fig. 4 is a fragmentary interior perspective view of a base rail.

Referring to the drawing, which illustrates the preferred embodiment of the invention, the numeral 10 designates a range cabinet of the type illustrated in my co-pending application Ser. No. 192,980, filed February 28, 1938. The range cabinet comprises a main inner body portion including vertical walls 11, bottom 12, and top 13. The walls 11 and bottom 12 interfit and provide a sealed joint or seam 14 projecting below bottom 12 at its margin. Sheet metal exterior panels 15 having marginal inturned flanges 16 for spacing the panels outwardly of the walls 11 are secured to said walls; and doors 17 at the front have their outer surfaces flush with the outer faces of front panel 15. The range cabinet 10 is mounted upon a base comprising legs 18 and rails 19.

The legs 18 comprise castings of generally right angular horizontal cross section throughout their height, the two side portions on opposite sides of the vertical center thereof being complementary. The legs each comprise a lower exposed portion 20 extending substantially vertically and whose outer edges are suitably configured to present an attractive design contour, and an integral horizontal foot portion 21 extends across the bottom of the legs. A horizontal flange portion 22 projects inwardly from the upper end of leg portion 20 to constitute a right angled shelf or support. An upper leg portion 23 projects vertically from the inner part of flange 22, and each of the two complementary parts thereof is centrally cut away at 24, with the upper edge of the cutaway configured to provide a depending ear 25 having an aperture 26 centrally thereof. An inwardly directed horizontal flange portion 27 projects from the upper end of leg portion 23 to constitute a second shelf or support off-set both vertically and horizontally from flange portion 22. A narrow right angled vertical flange portion 28 projects vertically upwardly from the inner edge portion of flange 27 at the vertical center of the leg.

The rails 19 each comprise an enameled sheet metal panel having a central portion 30 of a width substantially equal to the height of upper vertical portion 23 of the leg. Horizontal flanges 31 project inwardly from the upper and lower edge portions of central rail portion 30, and are of a width substantially equal to the width of flange 22 of the leg. In adjacent spaced relation to its ends, each rail 19 is provided with an ear 32 projecting downwardly from the inner edge of upper rail flange 31, and this ear is provided with an aperture 33 therethrough adjacent its lower end spaced from said upper flange 31 a distance equal to the spacing of leg aperture 26 below leg flange 27. The lower rail flange 31 is provided with an aperture 34 centrally therethrough at each end and in substantially vertical alignment with aperture 33. Certain of the rails 19, such as the front rail, are rounded at 35 at their ends as best illustrated in Fig. 3, to give the rail assembly a neat close fit at its joints.

The rails 19 are secured to the legs by securing means 36, such as a bolt and nut, passed through the registering apertures 26 and 33 of the leg and rail, respectively; and by similar securing means 37 passed through rail aperture 34 and an aperture in flange 22 of the leg which registers therewith. The cut-outs 24 afford means for conveniently holding nuts during the threading and tightening of a bolt thereon, whereby the base assembly is readily effected. It will be seen that the securing means are entirely concealed from the exterior by the rail and leg, thus providing an attractive exterior appearance. The U-shaped transverse section of the rails 19 affords space for the manipulation of the securing means, and when proportioned as above de-

scribed the outer face of central vertical portion 30 thereof is flush with the outer face of exposed leg portion 20, though it will be understood that these faces may be off-set, configured or contoured for ornamental or decorative effect if desired. The legs are positively locked and positioned in upright or vertical operative relation by their interconnection in a base unit by the rails.

When the base unit has been assembled as described, the range cabinet 10 may be mounted thereon with the depending marginal joints or seams 14 resting upon the upper horizontal flanges 27 of the legs, whereby the entire weight of said cabinet is sustained solely by the legs. The upper flanges 28 of the legs are of less height than cabinet joints 14, whereby they serve merely to properly position the cabinet upon the base and to prevent lateral shifting or displacement of the cabinet on the base. The inner or main cabinet walls 11 are thus inwardly off-set from base rails 19; and the flanges 16 of exterior cabinet panels 15 are preferably of a width to position said panels 15 flush with rails 19 and exposed leg portions 20, to give a unitary vertical flush effect, though the panels 15 may be off-set from said rails to give any desired ornamental or decorative effect as will be obvious. While the rails 19, by this construction, do not bear or support any of the weight of the stove cabinet, it will be obvious that they can accommodate a certain degree of distortion where the floor on which the base is mounted is slightly out of a true plane, to permit solid seating of each leg of the base on said floor.

I claim:

1. A base unit comprising a plurality of rigid legs each having a horizontal weight supporting portion at its upper end, and a plurality of rails, said rails being of U-section and having securing means adjacent its open side for connection with said legs whereby said rails extend laterally outwardly relative to the weight supporting portions of said legs.

2. The combination with a range cabinet comprising an inner body portion having a marginal depending portion at its bottom, and exterior members covering said body portion in spaced relation thereto, of a plurality of legs each having an inwardly off-set portion at its upper end supporting the marginal depending portion of said inner body at one corner thereof and an off-set intermediate its height, and a plurality of rails seated on said intermediate off-set and secured to said legs.

3. The construction defined in claim 2, wherein said rails and the lower exposed portions of said legs extend substantially flush with the adjacent exterior covering members of said cabinet.

4. In a range base, a plurality of legs each having horizontal flange portions intermediate its height and at its upper end, said upper flange portions constituting range cabinet supporting surfaces, and a plurality of horizontal rails having inwardly extending horizontal flanges at its upper and lower edges, means securing the ends of the lower rail flanges to said intermediate leg flanges, an ear depending from the upper flange of each rail at its ends, and means securing said depending ears to the upper portions of said rails below the cabinet supporting leg flanges.

5. In a range base, a plurality of horizontal rails having upper and lower inturned flanges, said upper flanges each having a depending ear adjacent each end, and a plurality of legs each having an intermediate off-set mounting the lower flange of each rail and an upper cabinet-supporting off-set substantially aligned with and disposed inwardly of said upper rail flange, and means for securing said lower rail flanges and said ears to said legs.

6. A range leg comprising an integral member having substantially parallel upper and lower portions interconnected by an intermediate rail-supporting off-set, and a range supporting off-set projecting inwardly from the upper end of the upper leg portion, said leg member being of L-shape in horizontal cross section throughout and the upper portion thereof having an opening in each face thereof for access to the back of the portion of a rail mounted on said intermediate off-set.

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