R. B. CAVERLY & A. B. BELL.

SUPPORT FOR GAS-RANGES.

APPLICATION FILED MAR. 24, 1915.

1,162,451. Patented Nov. 30, 1915.

Fig. 1.

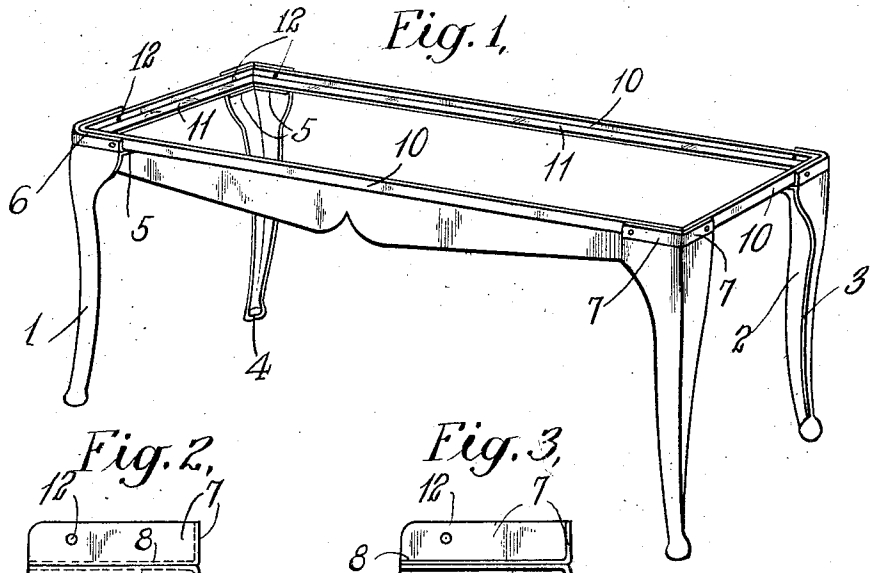


Fig. 2.

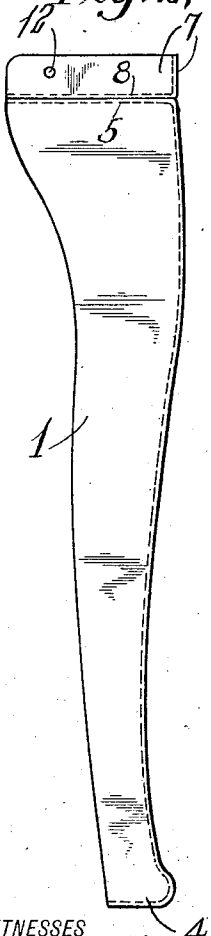


Fig. 3.

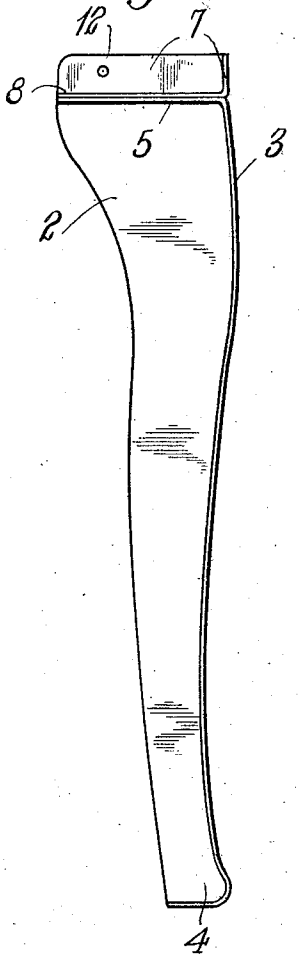
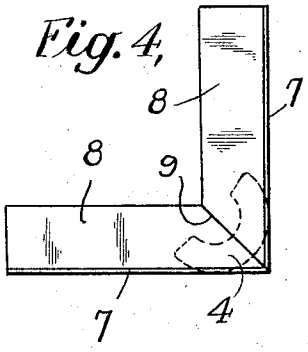


Fig. 4.



WITNESSES

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SUPPORT FOR GAS-RANGES.

1,162,451. Specification of Letters Patent. Patented Nov. 30, 1915.

Original application filed December 1, 1914, Serial No. 874,961. Divided and this application filed March 24, 1915. Serial No. 16,583.

To all whom it may concern:

Be it known that we, ROBERT B. CAVERLY and ALFRED B. BELL, citizens of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Supports for Gas-Ranges, of which the following is a specification.

Our invention relates to a pressed metal supporting frame or stand, adapted to support the ovens and other parts of a gas range, or the like, and to the elements thereof.

The present invention is a division of our application Serial No. 874,961, for improvements in gas range, filed December 1, 1914.

Our present invention comprises sheet-metal legs of the improved design, the same having the advantages of great strength and cheapness in manufacture, as well as other advantages, the same being particularly adapted to coöperate with the other elements of our improved supporting frame, for the purpose intended. Briefly, the leg members are formed of pressed metal having vertical flanges which at their upper ends stand at right angles to each other, a flange or flanges being inwardly turned at the bottom to afford a smooth supporting surface on which the leg member stands. At the top of the member horizontal flanges extend inwardly and a metal angle-bar is secured to the top flanges of each leg member, preferably by welding the horizontal flanges of the angle-bar on the top flanges of the leg member with the vertical flanges of the angle-bar extending upwardly therefrom with their exterior surfaces substantially in alinement with the exterior surfaces of the leg member. A rectangular metal frame is supported on the ledges formed by the inwardly turned flanges of the angle-bars and leg members, this frame comprising horizontal flanges directed inwardly and vertical flanges resting against the inner surfaces of the vertical flanges of the angle-bars. The vertical flanges of the angle-bars and the metal frame within the same are drilled for bolts which may extend into the oven or other parts of the gas range supported on the metal frame. We thus provide a structure which may readily be manufactured in stock sizes, and easily assembled or taken apart. It is particularly applicable for coöperation with the units of a gas range construction such as is described in our application above referred to, in which the gas range is formed of a number of interchangeable units. These units may comprise, for example, a double oven unit and a warming oven and burner-box. One of the same may be mounted upon the supporting frame described herein at one end of the same and the other unit at the other end of the same, and when it is desired to change the construction from a left hand range to a right hand range for example, these units may be transposed with the necessary alteration in the gas pipe connections.

In order that a clearer understanding of our invention may be had, attention is hereby directed to the accompanying drawings forming part of this application and illustrating certain embodiments of our invention.

In the drawings, Figure 1 represents a perspective view of the entire supporting frame, Fig. 2 is a side elevation of one of the leg members, with an angle-bar secured thereto, Fig. 3 is a similar view of one of the leg members, viewed from the opposite side thereof and Fig. 4 is a top plan view of one of the angle bars mounted in position on a leg member.

Referring to the drawings, each leg member such as 1 is formed of pressed metal to have vertical flanges 2 and 3 at right angles to each other, the flange 4 being turned in horizontally at the bottom of the member. This flange 4 gives stiffness and strength to the construction, and also provides a smooth supporting surface for the leg member so that the construction may be easily moved over a floor. The shape of the bottom flange 4 is preferably as shown in dotted lines in Fig. 4. The vertical flanges 2 and 3 of each leg member are turned inwardly at the top to provide horizontal inwardly directed flanges 5, 5, the metal being notched at the junction of these flanges to permit the same.

The angle-bar 6 is provided for each leg member, this comprising right angled vertical flanges 7, 7, and inwardly directed hori-

zontal flanges 8, 8, the metal being notched as indicated at 9 in Fig. 4, to permit the bending of the same. The horizontal flanges 8, 8 are secured upon the horizontal flanges 5 of the leg members, preferably by electric welding, so that the exterior surfaces of vertical flanges 7 of the angle-bars are in substantial alinement with the exterior surfaces of the leg members. The angle bars reinforce and stiffen the construction, and together with the horizontal flanges 5 of the leg members, provide ledges on which the rectangular supporting frame is mounted. The latter comprises an angle frame notched and bent to the desired shape, and comprising vertical flanges 10 and horizontal inwardly directed flanges 11, the vertical flanges fitting closely within the vertical flanges of the angle-bars 6. Bolt holes such as 12 may be provided extending through the vertical flanges of the angle-bars and of frame 10 in alinement therewith, so that bolts may be extended through the same and into the bottom portions of the oven units or other members supported on frame 10, to removably secure the parts in position.

Having now particularly described our invention, what we claim and desire to protect by Letters Patent is as follows:

1. In a frame for gas ranges, the combination of four leg members formed of pressed metal, each having vertical flanges at right angles to each other at the upper ends thereof, and horizontal top flanges extending inwardly therefrom, an angle-bar secured to the top flanges of each leg member, with inwardly-directed horizontal flanges resting on said top flanges, and vertical flanges extending upwardly therefrom in substantial alinement with the exterior surfaces of said leg member, and a rectangular metal frame supported on the horizontal flanges of said angle-bars, said frame having inwardly-directed horizontal flanges supported on said angle-bar horizontal flanges, and having vertical flanges received within said angle-bar vertical flanges, substantially as set forth.

2. In a frame for gas ranges, the combination of four leg members, each having horizontal flanges at the top thereof at right angles to each other, an angle-bar secured to the flanges of each member with a vertical flange extending upwardly therefrom, and a rectangular metal frame supported on said angle-bars within the vertical flanges thereof, said frame comprising horizontal supporting means for a gas range element, substantially as set forth.

3. In a frame for gas ranges, a leg member formed of pressed metal having vertical flanges at right angles to each other, horizontal top flanges extending inwardly therefrom, and an inwardly turned horizontal flange at the bottom to afford a smooth supporting surface for the member, and an angle-bar having right angled horizontal flanges welded on to the top flanges of said member, and vertical flanges extending upwardly therefrom in substantial alinement with the exterior surfaces of said leg member, substantially as set forth.

This specification signed and witnessed this 22nd day of March, 1915.

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Witnesses:
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