

May 14, 1935.

C. B. PARSONS

2,000,981

KITCHEN CABINET

Original Filed July 21, 1930 4 Sheets-Sheet 1

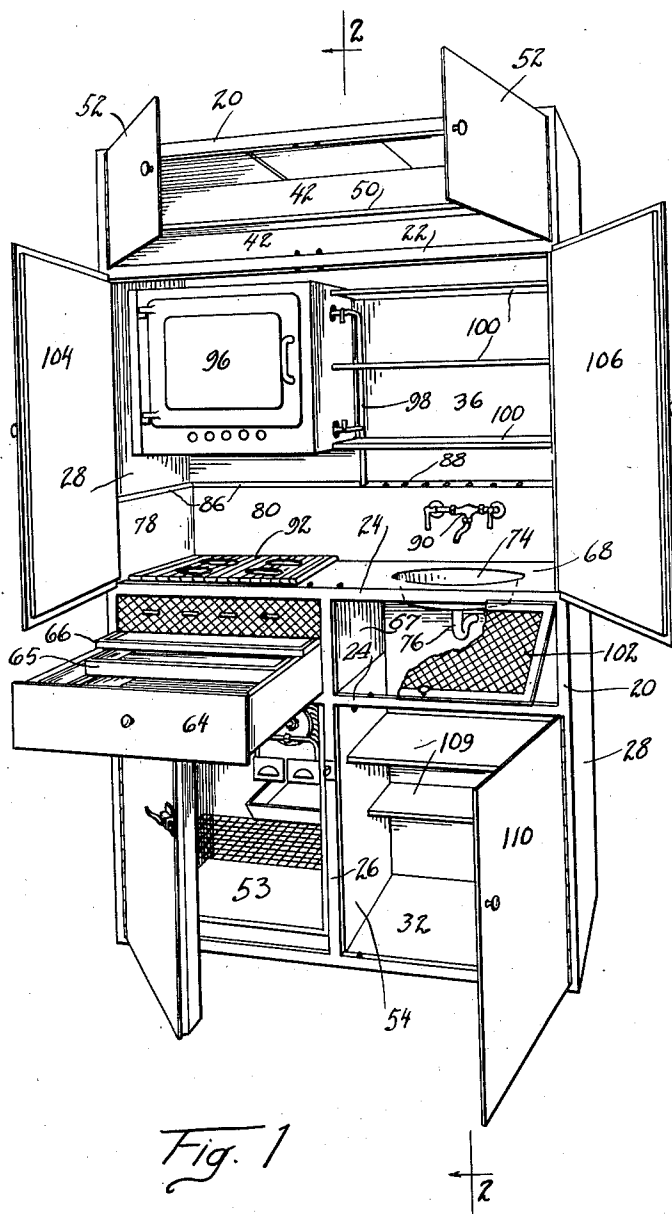


Fig. 1

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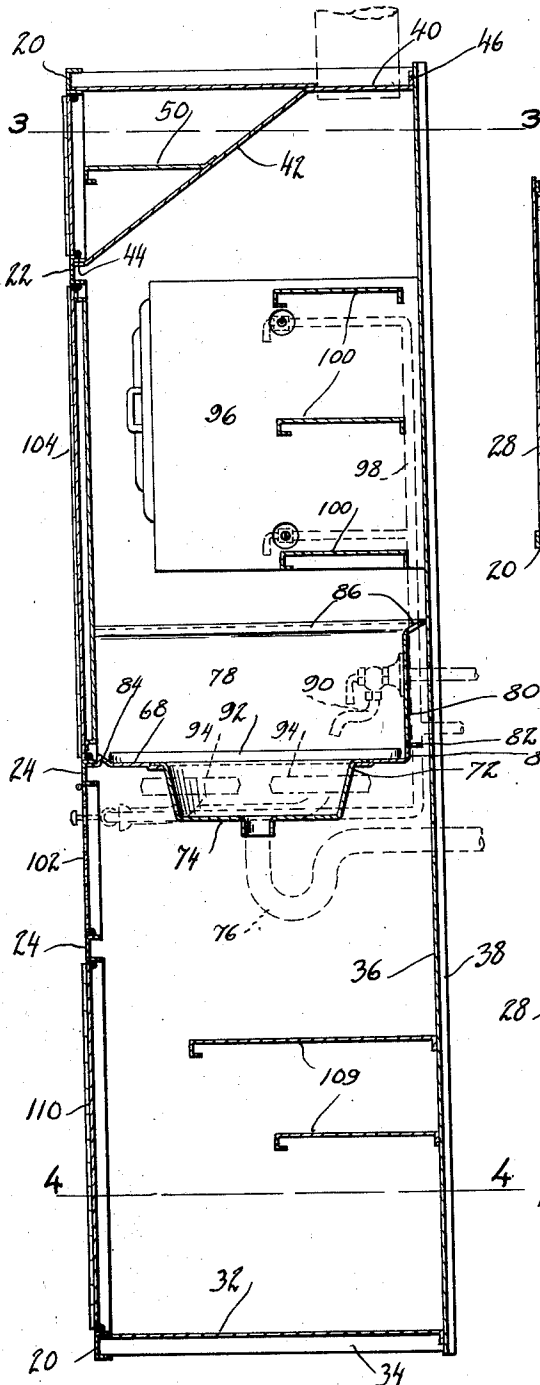


Fig. 2

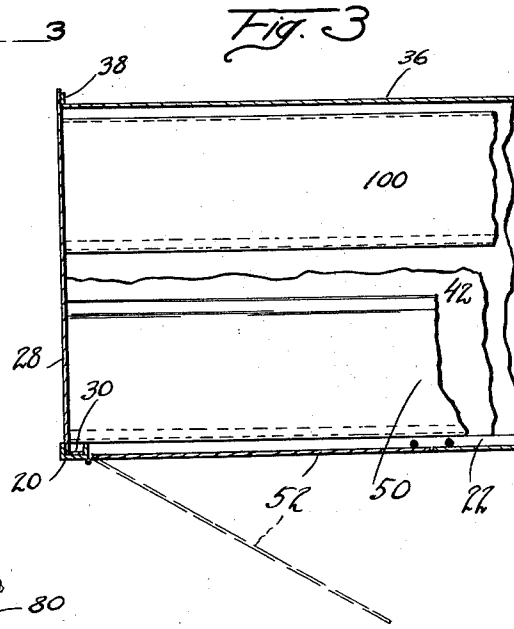


Fig. 3

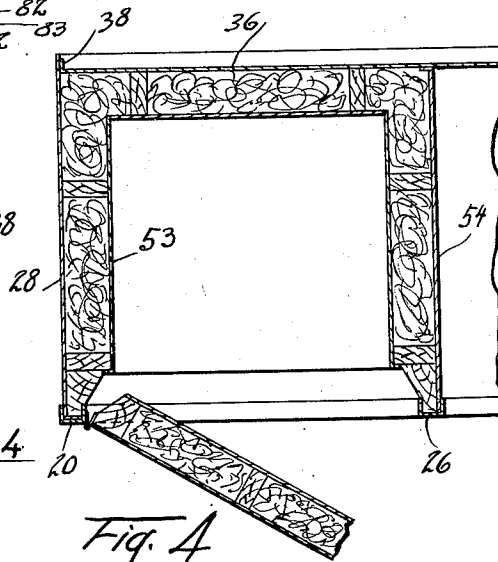


Fig. 4

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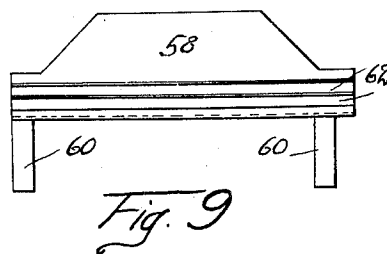
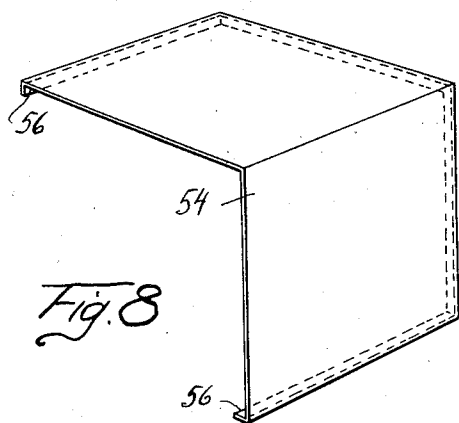
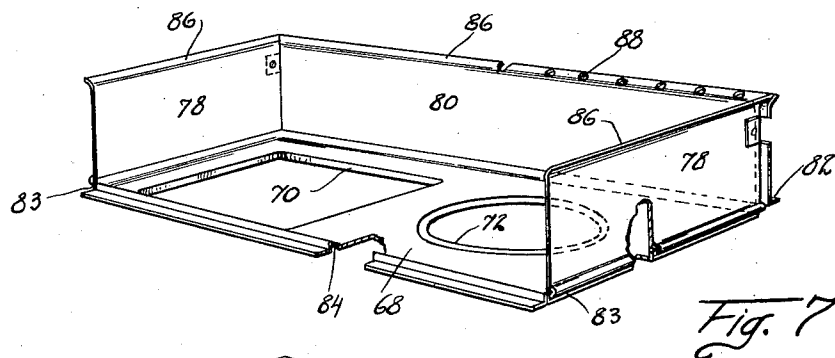
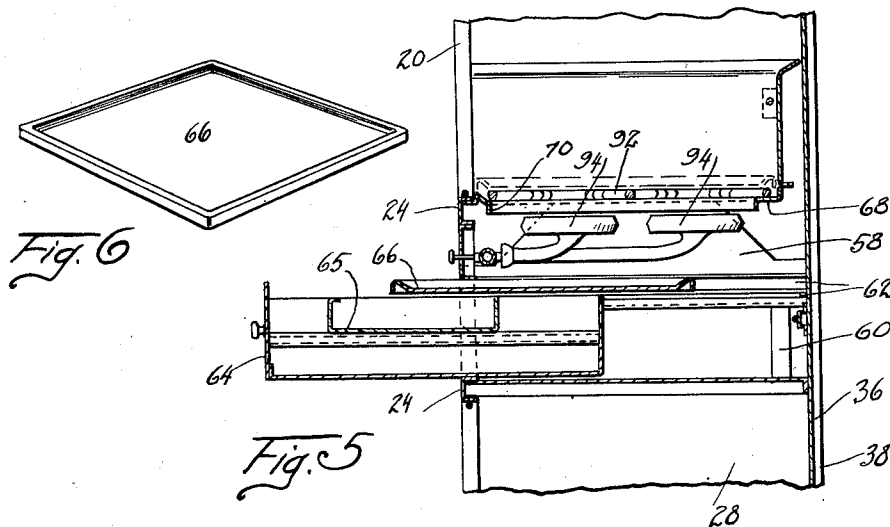
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KITCHEN CABINET

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KITCHEN CABINET

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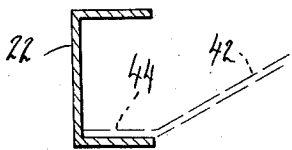
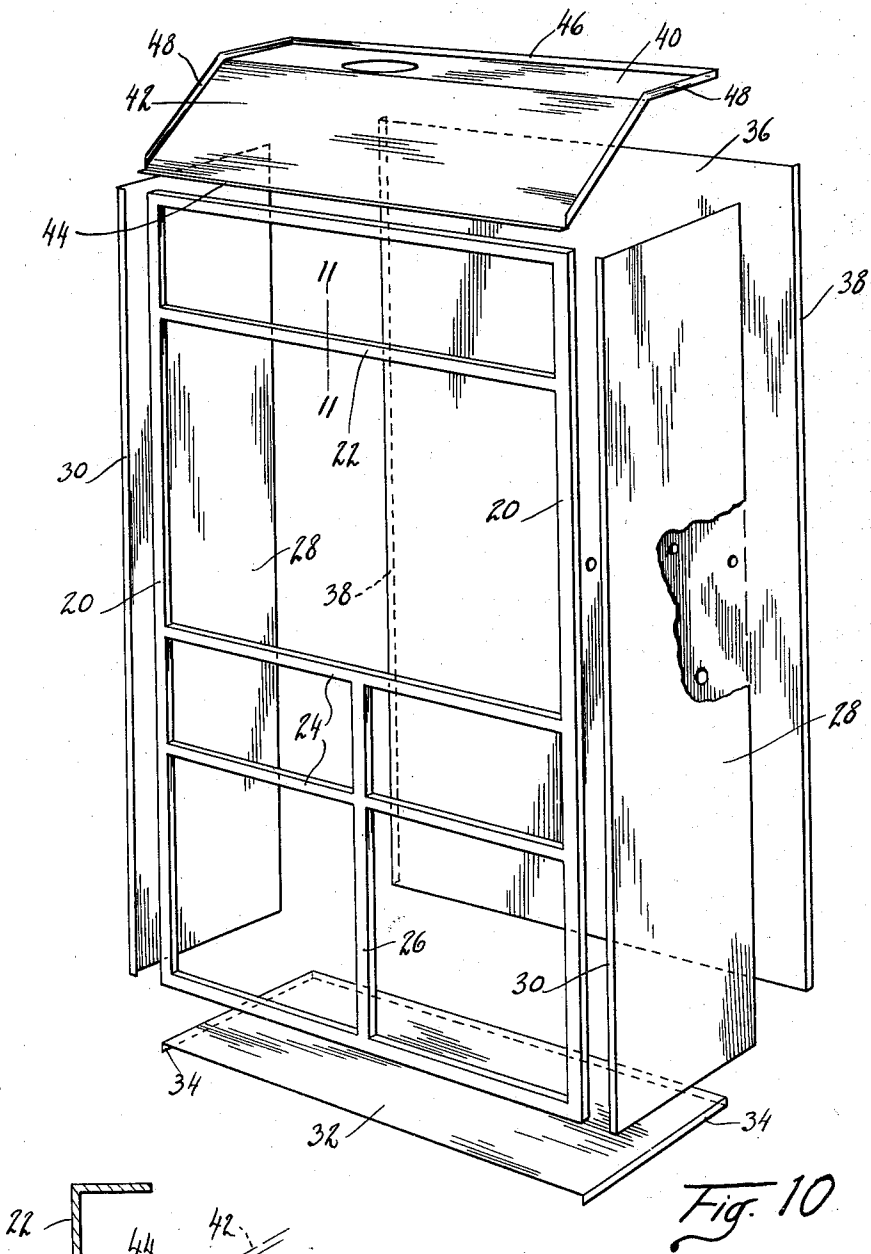


Fig. 10

Fig. 11

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UNITED STATES PATENT OFFICE

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KITCHEN CABINET

Carl B. Parsons, Detroit, Mich.

Application July 21, 1930, Serial No. 469,290

Renewed January 18, 1933

5 Claims. (Cl. 312-141)

My invention relates to an improved kitchen cabinet.

An object is to provide a kitchen cabinet particularly adapted for small apartments wherein it is essential to provide the maximum of facilities within the minimum amount of space, and wherein it is also necessary to provide a cabinet of attractive appearance, and wherein it is desired to provide a cabinet which may be assembled and placed in position in the room without being built in at the time of the construction of the room.

Another object is the provision of a cabinet of this type fabricated from sheet metal which adapts itself to quantity production at low cost and which lends itself readily to the manufacturing processes which make for a strong, sturdy cabinet having an attractive appearance. My cabinet is so constructed and arranged as to provide for the accommodation of a refrigerating unit, a suitable stove of any character desired and an oven, a sink, and considerable storage space for various materials. The entire assemblage of units is compactly arranged within a unitary cabinet. The construction of my improved cabinet is such that though relatively light in weight and employing a minimum amount of material it is of unusual strong and sturdy construction so as to support the various devices with which it is provided.

A meritorious feature resides in the provision of a unitary channel foundation frame which carries the top and bottom and side wall panels and also the doors and which forms the foundation support for the entire cabinet. A secondary feature is the bracing of this frame so as to provide secondary supports for the devices carried by the cabinet. Another meritorious feature is the mounting and support for the sink and stove with which the cabinet is equipped.

Various other important advantages will more fully appear from the following description, appended claims, and accompanying drawings wherein:

Fig. 1 is a perspective of my improved cabinet, Fig. 2 is a vertical sectional view taken on the line 2-2 of Fig. 1,

Figs. 3 and 4 are fragmentary horizontal sectional views taken on lines 3-3 and 4-4 of Fig. 2,

Fig. 5 is a fragmentary vertical sectional view, Fig. 6 is a perspective of the drain board,

Fig. 7 is a perspective of the cabinet element which carries the sink and stove,

Fig. 8 is a perspective of a portion of the refrigerating enclosure,

Fig. 9 is an elevation of a support member, Fig. 10 is a perspective of the cabinet wall structure disassembled, and

Fig. 11 is a sectional view taken on the line 11-11 of Fig. 10.

In building a metal cabinet of this type adapted to carry the number of devices with which my cabinet is equipped, it is very necessary that the construction be of such a character that these several devices will be supported in such manner that the weight will be so distributed as not to cause the cabinet to sag and that the cabinet will have such a rigid construction that all the movable parts, such as the drawers and doors, will function readily. I provide as a foundation base for my improved cabinet a rectangular channel frame 20 of unitary construction being formed of metal channel sections welded together and provided with an upper transverse channel brace 22 and two lower transverse channel brace members 24 and a vertical channel brace member 26. The side walls 28 are formed of sheet metal and each has an inturned flange 30 along its forward edge which is received within the uprights of the channel frame 20, as shown in Fig. 3, and is welded in place. The bottom panel 32 is formed with end flanges 34 which are received between the side wall members 28 and welded thereto.

The back panel 36 is formed with side flanges 38 received between the side walls 28 and welded thereto as shown more particularly in Fig. 3. The top panel 40 has a downwardly deflected portion 42 which terminates in an anchor edge 44 that is received within the channel member 22, as shown in Fig. 2, and at the rear this channel has a turned up flange 46 which is welded, or otherwise secured, to the rear channel 36, as illustrated particularly in Fig. 2. This top panel has end flanges 48 which are secured to the side walls 28.

A shelf 50 is provided in the compartment formed by the downwardly deflected portion 42 of the top panel and swinging doors 52 are hinged to the channel frame to close this compartment.

A refrigerating unit is disposed within one of the lower corners of the cabinet and a plate member 54, as shown in Fig. 8, extends along one side and over the top thereof and has flanges 56 which may be welded to the bottom and side panels. The refrigerating unit may be suitably insulated as shown in Fig. 4. The plate 54 serves as a support for a pair of standard or supporting elements 58 which have legs 60 that rest upon the top wall of the element 54 and grooves 62 which

form ways for the movement of the drawer 64 which is slidably supported therein as shown in Figs. 1 and 5 particularly. Tray 66 is slidably supported in ways positioned immediately above the ways for the drawer so that the tray slides underneath the stove grate and serves as a protection to prevent dirt falling into the drawer and may be entirely removed and placed over the grate to serve as a drain board. Drawer 64 has an auxiliary drawer 65 carried therein. A partitioning sheet 67 is positioned adjacent the ungrooved side of right hand member 58, as indicated in Fig. 1.

The upper end of the element 58 serves as a support for the tray-like structure shown in Fig. 7 which has a bottom 68 cut away as at 70 to receive the grill, or grate, of the stove and as at 72 to receive the bowl 74 of the sink which is provided with a suitable outlet pipe 76. The tray-like structure shown in Fig. 7 has side walls and end walls 78 and a side wall 80 which are secured to the bottom thereof. It will appear that the ends of the bottom of this tray-like structure are turned upwardly forming flanges 83 which bear against shoulders formed on the end walls 78, which shoulders lap over the flanges shown in such Fig. 7 of the drawings, and that the rear wall 80 has a rearwardly projecting flange portion 82 which rests upon an upwardly turned flange 83 at the rear of the bottom element 68. The flanges prevent leakage or splashing of water over the sink. The bottom element 68 has an upwardly projecting rib 84 along its forward edge so that any water which may be spilled thereover will not run off but will run into the sink basin 74. The end wall 78 and back wall 80 are flared outwardly at their upper margins as at 86 to rest against the side and back walls of the cabinet. These outwardly flared portions may be perforated as at 88 to permit passage of air.

In the cabinet structure shown in Figs. 1 and 2 there is a water faucet connection 90 suitably disposed with respect to the basin 74. There is a stove grate, or grill, 92 and suitable burners 94, as shown in Fig. 5. Positioned above the stove grate is the stove oven 96. A gas pipe line is shown at 98 leading thereto. Suitable shelves 100 are arranged alongside of the oven.

The space immediately underneath the sink basin is closed by a hinged grill door 102 and doors 104 and 106 are hinged to the upright sections of the channel frame to close the space immediately above the sink and stove. The space alongside of the refrigerating unit and underneath the sink is provided with shelves 109 and a door 110.

My cabinet as herein described forms a compact unit which includes a large number of kitchen accessories and devices and provides considerable storage space for merchandise. It is readily positioned as a complete unit in any desired place and occupies a minimum amount of space and is itself an attractive cabinet structure.

What I claim:

1. A cabinet structure of the character described comprising a rectangular unitary channel steel frame, side panels, a bottom panel and a top panel, each of said panels secured to the channel steel frame, a back panel secured to the top and bottom and side panels, said channel

frame provided with an intermediate transverse channel frame section, a tray-like structure receivable within said cabinet and provided with a bottom portion the forward edge of which engages said intermediate transverse channel frame section, means arranged within the cabinet for supporting said tray-like structure adjacent its ends, projecting flanges around the remaining three edges thereof, side walls and back wall extending upwardly from the said flanges, said side walls and back wall being flared outwardly at the top into engagement with the side walls and back wall of the cabinet.

2. A cabinet structure of the character described comprising a rectangular unitary channel steel frame, side panels, a bottom panel and a top panel, each of said panels secured to the channel steel frame, a back panel secured to the top and bottom and side panels, said channel frame provided with an intermediate transverse channel frame section, a tray-like structure receivable within said cabinet consisting of a bottom portion and two side walls and a back wall extending upwardly from said bottom portion and flared outwardly into engagement with the side walls and back wall of the cabinet, said bottom portion being provided with one opening for a stove grate and a second opening for a sink bowl, a stove grate receivable over the first mentioned opening, a sink bowl receivable through the last named opening and having an outwardly flared margin engageable with the margin of said opening.

3. In combination with a cabinet structure of the character described, a horizontal element fixedly positioned therein, a supporting member rested upon said horizontal member, and a tray-like unit having an open front positioned upon said supporting member, the three walls of said tray-like unit being spaced inwardly from the walls of said cabinet structure and flared at the top around the periphery thereof to engage said cabinet walls.

4. In combination with a cabinet structure of the character described, a horizontal element fixedly positioned therein, a supporting member rested upon said horizontal member, and a tray-like unit having an open front positioned upon said supporting member, the three walls of said tray-like unit being spaced inwardly from the walls of said cabinet structure and flared at the top around the periphery thereof to engage said cabinet walls, said supporting member being provided with horizontal grooves across the width thereof adapted to act as guides for a slidable member positioned below said tray.

5. In combination with a cabinet structure of the character described, a horizontal element fixedly positioned therein, a supporting member rested upon said horizontal member, and a tray like unit having an open front positioned upon said supporting member, the three walls of said tray like unit being spaced inwardly from the walls of said cabinet structure and flared at the top around the periphery thereof to engage said cabinet walls, said flared portion along the rear wall of said tray like member being provided with spaced apart openings to permit the passage of air upwardly between the cabinet wall and the tray wall.

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