

June 13, 1939.

H. M. HERRIN

2,162,012

COMBINATION RANGE AND TABLE

Filed June 30, 1938

3 Sheets-Sheet 1

Fig. 1

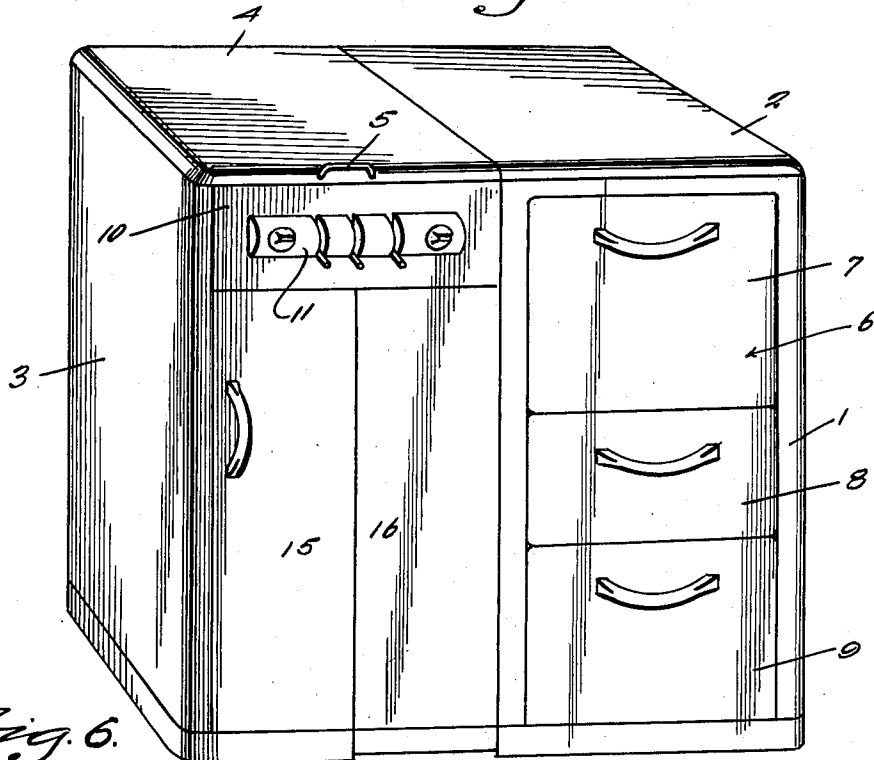


Fig. 6.

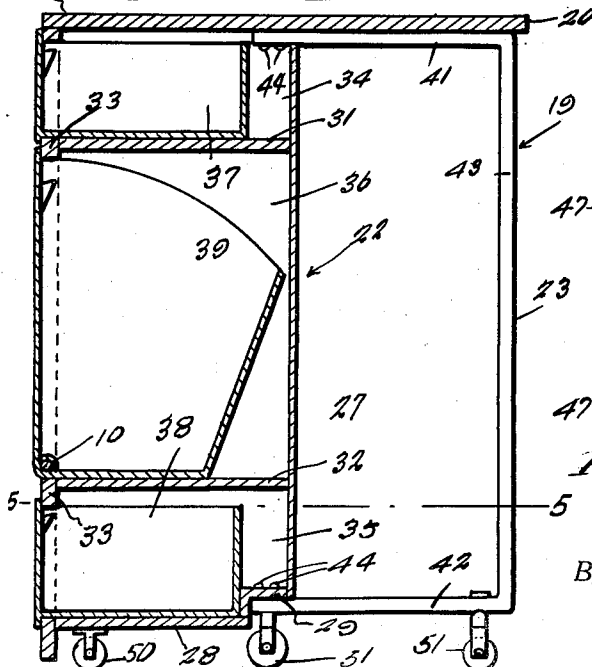
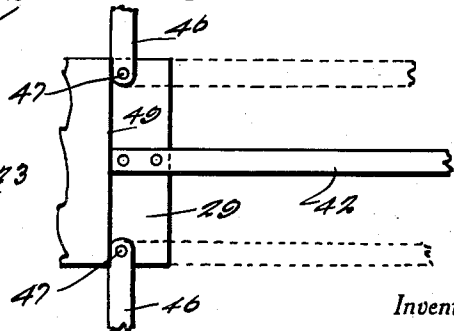


Fig. 7.



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Fig. 2.

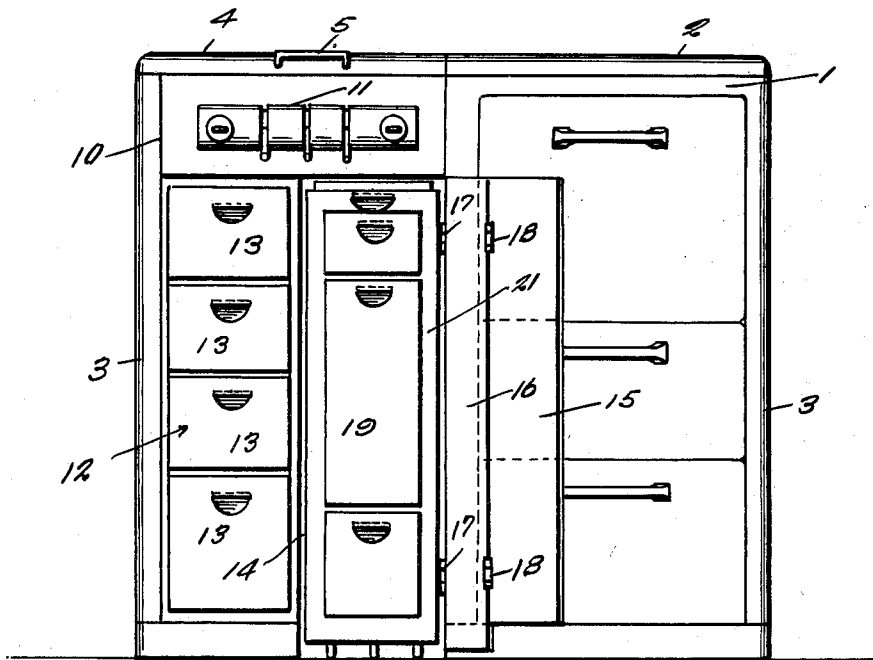


Fig. 3.

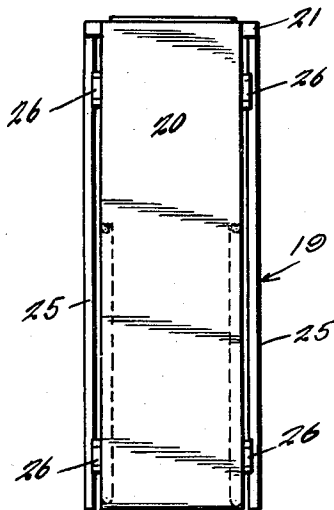
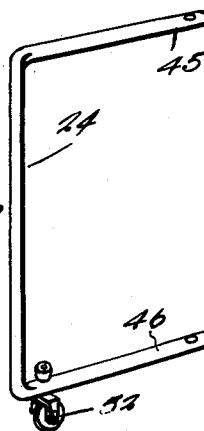


Fig. 8.



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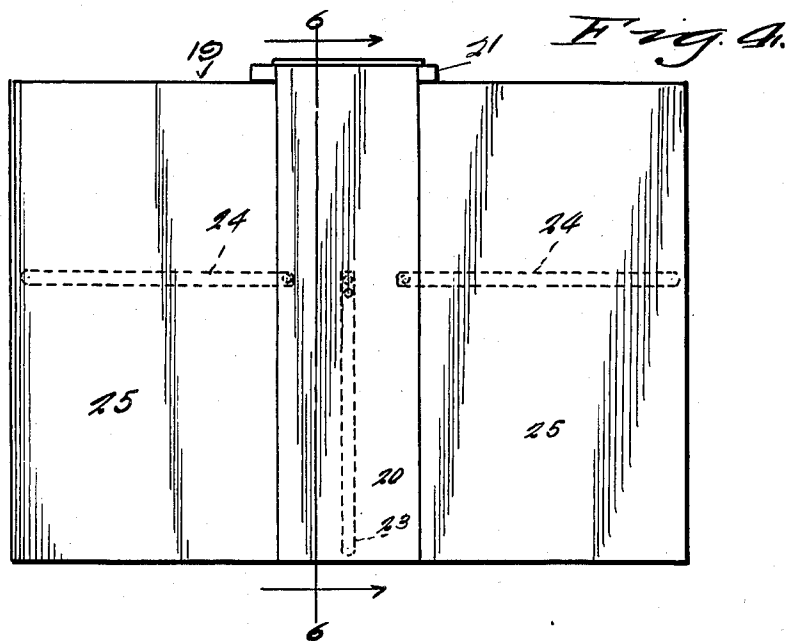
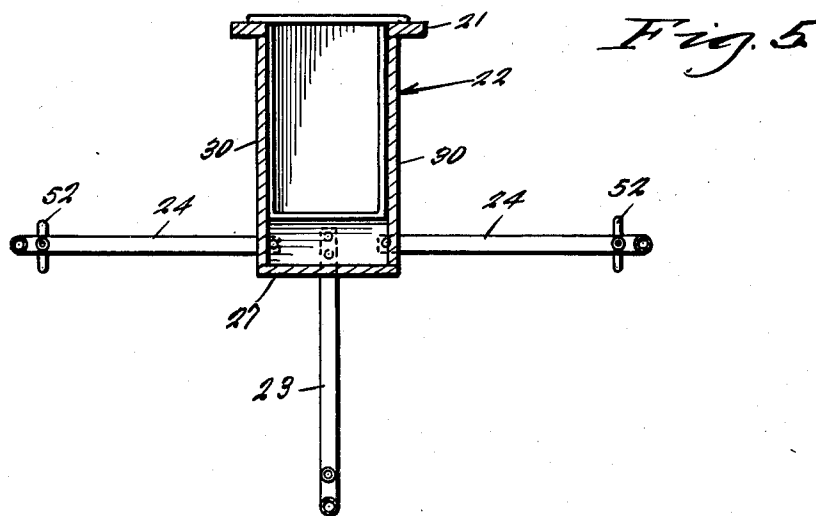
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UNITED STATES PATENT OFFICE

2,162,012

COMBINATION RANGE AND TABLE

Harrison M. Herrin, Kansas City, Kans.

Application June 30, 1938, Serial No. 216,849

1 Claim. (Cl. 312—164)

My invention relates to improvements in combination ranges and removable tables therefor.

The invention is designed with the particular purpose in view of equipping a gas, or electric, range for housing a table of the folding type so as to conceal the same, while at the same time providing for ready and quick removal of the table as occasion may require.

Other and subordinate objects are also comprehended by my invention all of which, together with the precise nature of my improvement will become apparent when the succeeding description and claim are read with reference to the drawings accompanying and forming part of this specification.

In said drawings:

Figure 1 is a view in perspective of a range equipped according to my invention,

Figure 2 is a view in front elevation with the folding door open,

Figure 3 is a view in top plan of the table removed and folded,

Figure 4 is a similar view of the table unfolded,

Figure 5 is a detailed view in horizontal section taken on the line 5—5 of Figure 6.

Figure 6 is a view in vertical section taken on the line 6—6 of Figure 4,

Figure 7 is a fragmentary view in bottom plan of the table showing the folding gate-legs unfolded in full lines, and folded in dotted lines, and

Figure 8 is a view in perspective of one of the folded gate-legs.

Referring to the drawings by numerals, the range of my invention is of the table top type having the front frame 1, a right-hand fixed top section 2, side panels 3, and a left-hand table top section 4 adapted to be swung upwardly on concealed hinges, not shown, by means of a hand-grip 5. At the right-hand side of the range is a section 6 including an oven, not shown, closed by a door 7, a broiler 8 beneath the oven, and a utility drawer 9 beneath the broiler 8. The table top section 4 closes a section 10 housing the usual burners, not shown, and having the front control panel 11. At the left hand side of the range beneath the section 10 is a utility section 12 comprising a tier of drawers 13 slidably mounted in the section in any suitable manner. Section 10 is spaced from the section 6 to form therewith, and with the section 10 a vault 14. The drawers 13 in the section 12 are arranged to close with their fronts set in behind the plane of the front frame 1. A folding door comprising twin panels 15 and 16 is hinged to the front frame 1, as at 17 adjacent the section 6, the section 16 being

hinged to said frame and the section 15 hinged, as at 18, to the section 16, said panels closing the door 14 and the front of the section 12, the arrangement being such that the panel 15 may be opened on the section 16 for access to the drawers 13, or, the entire door may be opened on the hinges 17 to open the vault 14.

The vault 14, as will be seen from an inspection of Figure 1, is straight sided and rectangular in form and open at its bottom. Fitting into said vault 14 is a table 19 of the combination cabinet and gate-leg type.

The table 19 comprises a flat top 20 of rectangular form adapted to fit endwise into the vault 14, a rectangular front frame 21 supporting the front end of said top 20, a front cabinet 22, presently referred to in detail, a rear central fixed leg 23, a pair of folding side legs 24, and a pair of side leaves 25 hinged as at 26, to the sides of the top 20 to fold downwardly.

The cabinet 22 is a box-like open front structure including a back wall 27 in the approximate transverse center of the part 20, a bottom wall 28 stepped at its rear end as at 29, side walls 30, and a pair of upper and lower horizontal partitions 31 and 32 suitably secured at their front edges by bars 33 extending across the frame 21 and at their rear edges to the back wall 27, said partitions dividing the cabinet into upper and lower shallow compartments 34 and 35, and an intermediate large compartment 36. Upper and lower drawers 37 and 38 are slidably mounted in the upper and lower compartments 34 and 35 respectively. A bin 39 is pivotally mounted, as at 40, on the sides of the frame 21 to swing into and out of the intermediate compartment 36 and to open and close the same. The leaves fold downwardly flat against the side walls 30 of the cabinet 32 and the front frame 21 extends beyond said side walls for the folding of said leaves therebehind so that when folded, said leaves are concealed from view from the front of the table.

The central fixed leg 23 is rod-like metal and comprises upper and lower horizontal ends 41 and 42 and a vertical rear guide 43, the ends 41, 42, being secured at their extremities, as by screws 44, to the top 21 and to the stepped rear end 29 of the bottom wall 28, in the longitudinal center of the table with the side 43 beneath the rear end of said top 21. The side legs 24 are identical to the fixed central leg 23 but have their upper and lower ends 45 and 46 pivoted at their extremities to said top 21 and rear end 29, as at 47, adjacent opposite sides of the cabinet 22, respectively, so that said side legs may be swung

to fold the same rearwardly and inwardly beneath the top 21, or outwardly and forwardly beneath the leaves 25 to support the latter in elevated unfolded position. As best shown in Figure 7, the stepped end 29 of the bottom wall 28 forms an abutment 49 limiting unfolding movement of the side legs 24 by engagement with the lower ends 46 of said legs and when the latter have been swung outwardly into substantially right angular position relative to the axis of movement of the leaves 25. The bottom wall 28 has secured to the under face thereof a pair of front casters 50 adjacent opposite sides of the cabinet 22 respectively. The lower end 42 of the fixed leg 23 has mounted thereon a pair of front and rear casters 51, and the lower ends 46 of the side legs 24 are similarly equipped with casters 52, preferably one caster on each end.

As will be clear, when the table 19 has been folded in the manner described in the foregoing, it may be readily wheeled into the vault 14 and concealed from view by closing of the panel 16 in front of the same while the panel 15 may be left in open position for access to the drawers 13 of section 12, or swung into closing position over said drawers, as desired. Access to the cabinet 22 of the table 19 while housed in the vault 14 may be readily had by opening of the panels 15 and 16 and the table may be quickly and easily wheeled out of the vault for setting up, or unfolding, when desired.

The foregoing constitutes a detailed description

of a preferred embodiment of my invention, but it is to be understood that the present disclosure is illustrative rather than restrictive and that right is herein reserved to modifications in structure and arrangement of parts described such as fall within the scope of the subjoined claim.

What I claim is:

A gateleg table for nesting in a cabinet having an open front open bottom vault therein, said table comprising a rectangular top adapted to fit endwise into said vault, a front compartment section of substantially the same width as said top, a pair of side leaves hinged to said top to fold downwardly alongside said section against the same, a fixed U-shaped leg in the longitudinal center of said top and having its free end connected to the top and to the bottom of said section, respectively, to extend rearwardly thereof, and a pair of legs similar to the first mentioned leg upon opposite sides of said first mentioned leg and having the free ends thereof hinged to said top and to said bottom of said section, respectively, for folding of said pair of legs behind the folded leaves, respectively, to extend rearwardly from the sides of said section, said pair of legs being swingable outwardly into laterally extended right angular relation to the sides of said section to support said leaves when unfolded and being limited as to said swinging movement in such relation to the section.

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