Jan. 7, 1941. J. E. LA FEE 2,227,786

COMBINATION FURNITURE

Filed Oct. 5, 1939 2 Sheets-Sheet 1

Fig. 1.

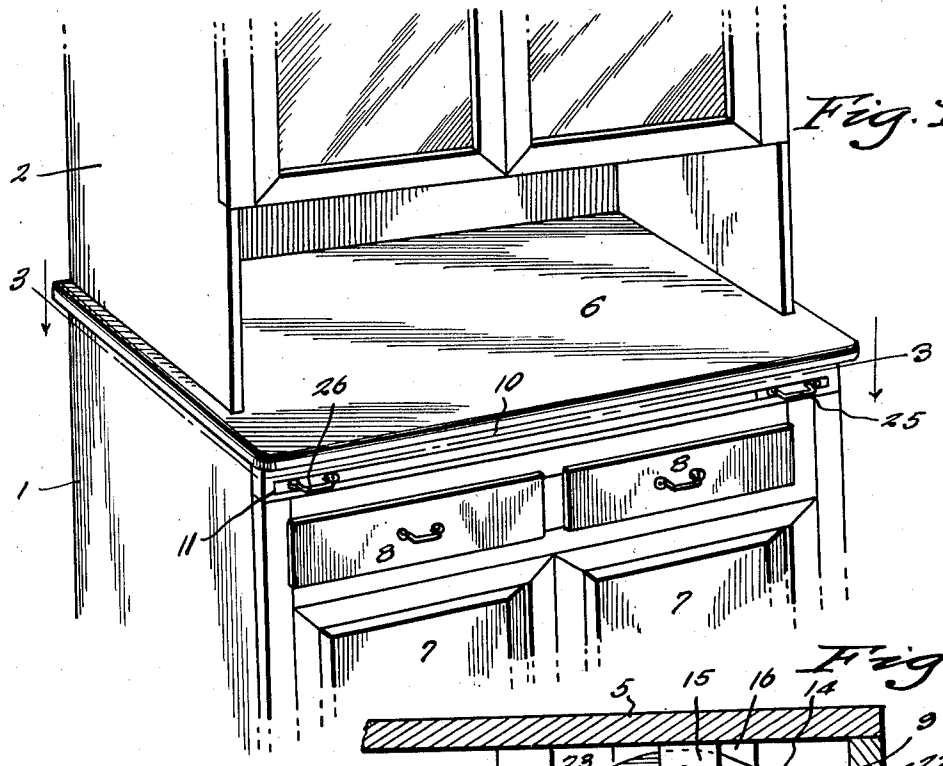


Fig. 4.

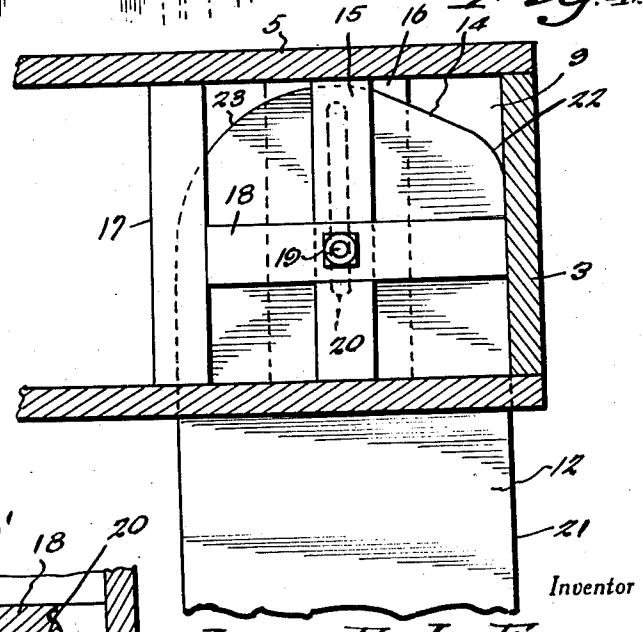
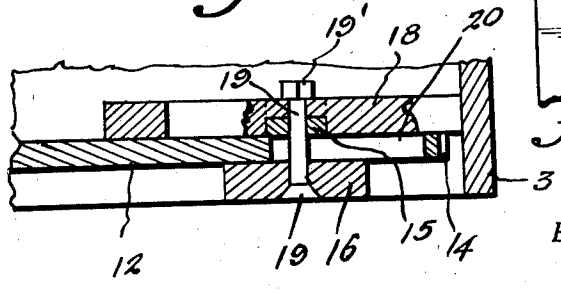


Fig. 5



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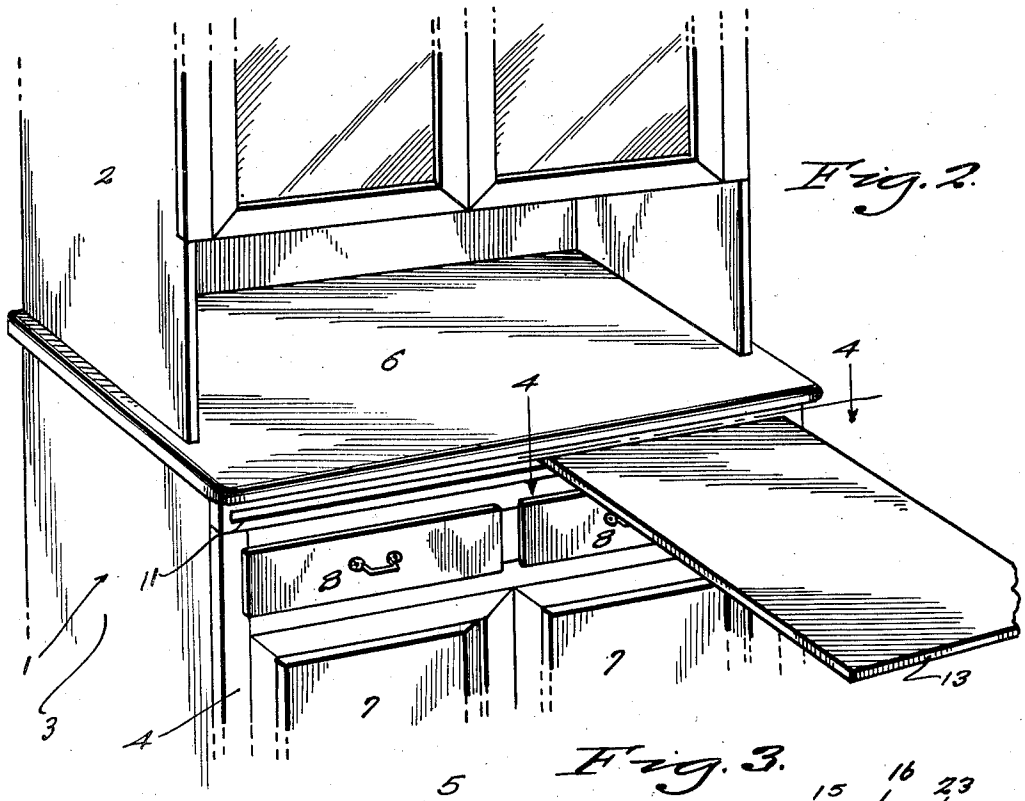
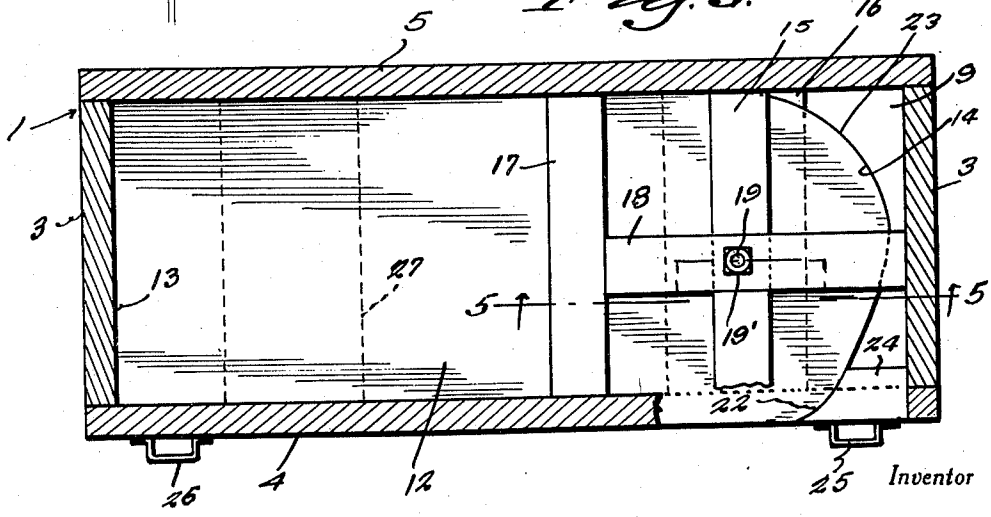


Fig. 2.

Fig. 3.



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UNITED STATES PATENT OFFICE

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COMBINATION FURNITURE

James E. La Fee, Fort Dodge, Iowa

Application October 5, 1939, Serial No. 298,135

1 Claim. (Cl. 312—160)

My invention relates to improvements in kitchen cabinets and more particularly to combination kitchen cabinets and tables.

The principal object of the invention is to equip a cabinet of the type identified inexpensively with a hidden table forming extensions adapted to be easily projected therefrom and strongly supported without the use of legs when projected to withstand heavy loading without sagging, and whereby the usual kitchen table may be dispensed with and economy in floor and wall space effected.

Other and subordinate objects are also comprehended by my invention, all of which, together with the precise nature of my improvement, will be readily understood 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 preferred embodiment of my invention, the panel being shown swung into hidden or retracted position.

Figure 2 is a similar view with the panel projected,

Figure 3 is a view in horizontal section taken on the line 3—3 of Figure 1 looking downwardly as indicated by the arrows,

Figure 4 is a similar fragmentary view taken on the line 4—4 of Figure 2 looking in the direction indicated by the arrows, and

Figure 5 is a detail view in longitudinal section taken on the line 5—5 of Figure 1 looking in the direction indicated by the arrows.

Referring to the drawings by numerals, I have shown my invention as embodied in a kitchen cabinet of the type including a lower section 1 and an upper section 2. The lower section 1 comprises the usual sides 3, front 4, back 5 and top 6, the front 4 having a pair of lower doors 7 for access to storage space in the bottom of the section, and said section further including a pair of upper laterally spaced drawers 8. The upper section 2 may be of any usual construction and therefore need merely be identified in passing. According to the present invention, the drawers 8 are spaced below the top 6 to provide a chamber 9 between said drawers and top for a purpose presently seen. The top 6 is supported partially at its front by a longitudinally extending front bar 10 extending from side to side of the section 1 and surmounting the front 4, said bar being longitudinally slotted, as at 11, to said sides 3 for a purpose to be explained.

The chamber 9 is designed to house therein an elongated, straight-sided table forming panel 12 having a straight front end 13 and an irregularly shaped rear end 14, said panel fitting lengthwise in said chamber with a slight clearance between its ends 13, 14 and the sides 3 of the section 1, and being dimensioned otherwise to fit against the back 5 and into the slot 11 flush with the front of the bar 10.

Adjacent to its rear end 14, the panel 12 is pivotally and slidably mounted in the chamber 9 as follows. Within the chamber 9, adjacent the appropriate side 3 of the section 1 is a pair of upper and lower guide and supporting bars 15, 16, respectively, for the panel 12 suitably secured at the ends thereof to the back 5 and bar 10 in horizontal position flush with the upper and lower edges of the slot 11 and between which said panel 12 is disposed. Spaced inwardly from the bars 15, 16, is a second cross-bar 17 similarly secured to the back 5 and bar 10 in the plane of the bar 15. Extending between the bar 17 and said side 3 is a longitudinal brace bar 18 having its ends suitably secured to the bar 17 and said side 3 and being disposed flush with the bottom of the bars 17 and 15. A pivot bolt 19 extends upwardly from the bar 16 in the longitudinal center thereof and through the bars 15 and 18 with a nut 19' threaded on the upper end thereof. A central longitudinal slot 20 in the rear end 14 of the panel 12 and through which the bolt 19 projects, provides for horizontal swinging and endwise sliding of the panel 12 relative to the bolt 13 and between the bars 15 and 16 and under bars 17 and 18.

As will be noted, the bolt 19 is spaced from the sides 3 so that the panel 12 may be swung out of the chamber 9 by way of the slot 11 into forwardly extending projected position with one side 21 bearing against the side 3, thereby establishing the projected position, or, swung from projected position into said chamber 9 to be hidden therein with said side 21 flush with the outer face of the bar 10. A particular feature of my invention is that the panel 12 is adapted to be slid back endwise, in its projected position, between the bars 15 and 16 and against the back 5 to lock the same against swinging, the slot 20 permitting such movement as will be clear. In this locked position, a corner 22 of the rear end 14 of the panel 12 is disposed in eccentric relation to the bolt 19 and against said side 3 and thereby blocks swinging of said panel 12 toward hidden, or retracted position, the side 21 of the panel bearing against the side 3 of the cabinet and blocking swinging of the panel in the opposite direction. To unlock said panel 12 it may be pulled forwardly, until said corner 22 is in concentric relation to bolt 19 at which

point the panel may be swung into retracted, hidden, position in the chamber 9. The opposite corner 23 of the rear end 14 of panel 12 is rounded, as at 23, to obviate interference thereof with the back 5 under swinging of the panel outwardly from retracted, hidden, position. The slot 20 is of sufficient extent to permit the panel 12 to be pulled outwardly in its extended, projected position, or shoved inwardly so as to vary the length thereof extending from the section 1. As best shown in Figure 3, in the retracted, or hidden position of the panel 12, a gap occurs between the corner 22 and the adjacent end of the slot 11. A filler block 24 having a handle 25 is provided to fit into the gap and fill the same. A similar handle 26 is provided in the side 21 of panel 12 adjacent the front end 13 thereof for manipulating said panel. A cross-bar 27, similar to bar 16, is provided in the chamber 9 to support the panel 12 adjacent its end 13 when said panel is swung into retracted position.

The foregoing will, it is believed, suffice to impart a clear understanding of my invention without further explanation.

Manifestly the invention, as described, is susceptible of modification without departing from the inventive concept, and right is herein reserved to such modifications as fall within the scope of the subjoined claim.

What I claim is:

A cabinet section comprising a top, and a back, front and side walls, respectively, and drawers, forming together with said top a chamber in the upper part of the cabinet section, the front wall being slotted from side to side of the cabinet for access to said chamber, and a table-forming panel pivotally mounted adjacent one end thereof in said chamber for swinging adjustment into and out of said chamber by way of said slot into hidden and projected positions, respectively, said panel when projected being endwise slidable on its pivots inwardly and outwardly of said chamber and having a corner and a side edge, respectively, coacting in the inwardly slid position of said panel with one side of the cabinet section to lock said panel against swinging movement, a transversely extending bar in said chamber underlying the pivoted end of the panel to provide a bearing therefor and supporting said end in the horizontal plane of said slot, and transverse and longitudinal bars in said chamber, respectively, overlying the panel to prevent the same from tilting on its pivot and said first-mentioned bar.

JAMES E. LA FEE.