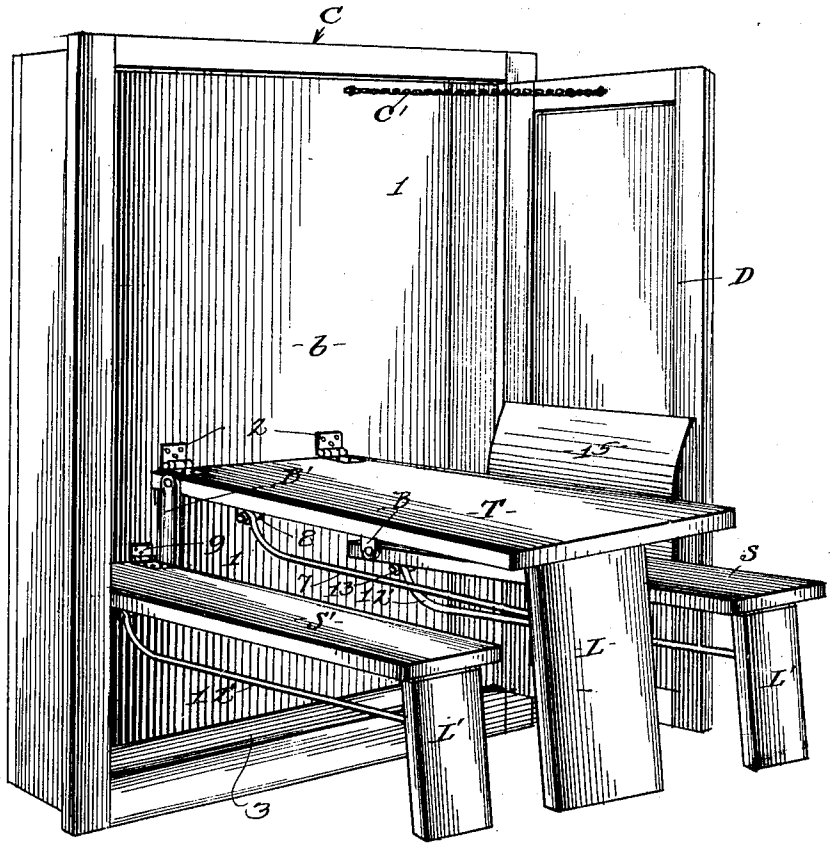
June 15, 1926. 1,589,006

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BUILT-IN FURNITURE UNIT

Filed May 19, 1924 2 Sheets-Sheet 1

Fig. 1



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BUILT-IN FURNITURE UNIT

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Fig.2

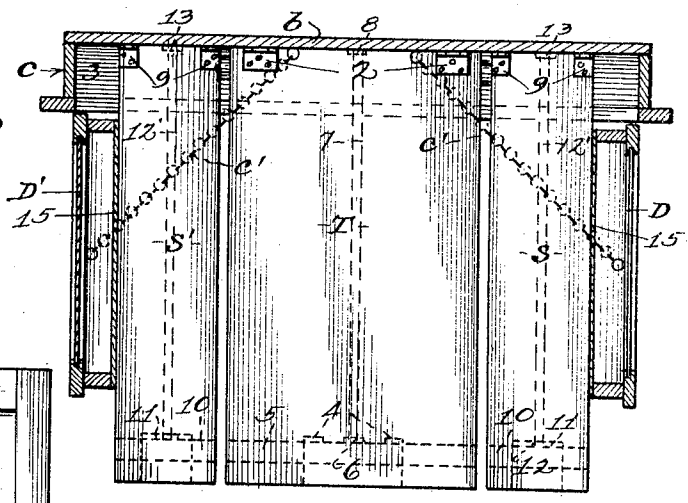
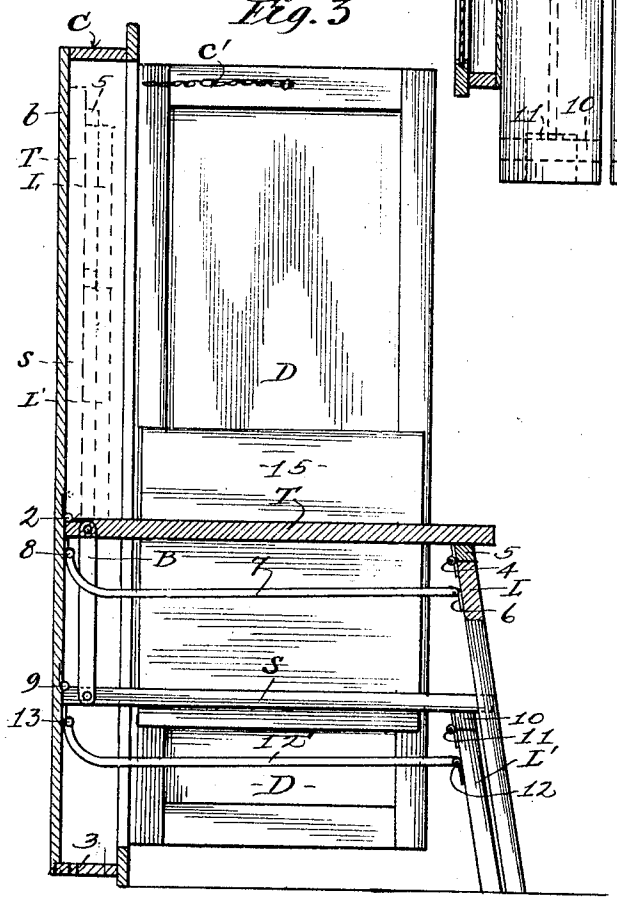


Fig.3



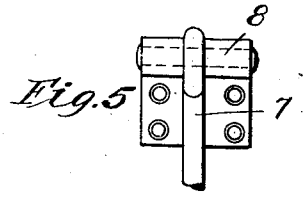


Fig.5

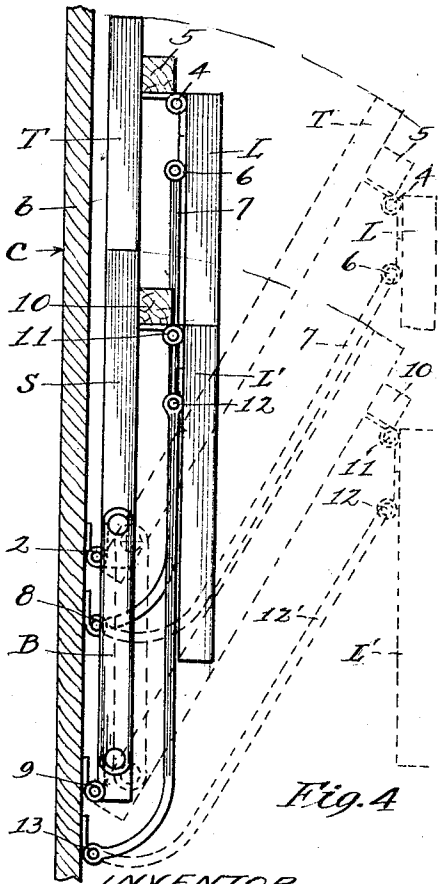


Fig.4

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UNITED STATES PATENT OFFICE.

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BUILT-IN FURNITURE UNIT.

Application filed May 19, 1924. Serial No. 714,396.

This invention relates in general to built in furniture adapted for use in residences and living apartments, and more particularly to a built in unit embodying an extensible table and extensible seats, normally enclosed within a cabinet in the wall and adapted to be extended for use therefrom.

The main object is to provide a built in furniture unit of the character described including a wall cabinet, having a table and one or more seats hingedly supported within the cabinet, and arranged for extension therefrom to horizontal planes when the doors of the cabinet are open, together with means for operatively connecting the table and the seats so that the movement of one of said members will effect the other members to a corresponding extent, so that the table and seat or seats may be simultaneously moved into and from position for use.

Another object is to provide means for supporting the table and the seats at their extended ends when in position for use, said means being normally collapsed when the table and seats are collapsed within the cabinet, and automatically extensible when the table and seats are extended.

Another object is to so arrange the doors of the cabinet as to form backs for the seats when the same are extended for use, the seats and the doors in such case being disposed substantially at right angles to the face of the cabinet and forming what is usually known as a "breakfast nook".

Other objects may appear as the description progresses.

I have shown in the accompanying drawings one practical form of my invention, which is subject to modification within the scope of the appended claims without departing from the spirit thereof.

In said drawings:

Fig. 1 is a perspective view of my improved built in furniture unit, with one of the doors thereof removed.

Fig. 2 is a sectional plan of the same with the table, seats and doors extended into position for use.

Fig. 3 is a sectional elevation of the same.

Fig. 4 is an enlarged fragmentary section of the same, showing the extension elements collapsed into planes paralleling the wall of the cabinet, and indicating in broken lines the movement of said elements into and from operative position.

Fig. 5 is a detailed view showing one of the connections between the extension elements and their supporting members.

My invention includes, briefly, a cabinet C which is adapted to be built into the wall of a room and has a shallow compartment 1 of a suitable height and width, adapted to receive and extensibly hold a table T and a pair of seats S and S′. Said cabinet is adapted to be closed on its front side by means of a pair of doors D and D′.

The table T is hingedly mounted on the back *b* of cabinet C by means of a pair of hinges 2, 2, attached to the back of the cabinet at a suitable distance above the bottom 3 of the cabinet, and at a point sufficiently below the top of the compartment 1 so as to permit the table T, when disposed in the position shown in Fig. 4, to clear the top of the cabinet.

Normally the table T is adapted to occupy a plane as shown in Fig. 4 adjacent the back *b* of the cabinet, and it is adapted to be extended into the horizontal plane shown in Figs. 1, 2 and 3 for use, the rear end of the table in such case being supported by means of the hinges 2, 2, on the back of the cabinet, and the outer end thereof being supported by a leg L which is hingedly connected with table T by means of a pair of hinges 4, 4, connecting the upper end of said leg, and a transverse cleat 5 which is attached to the lower side of table T.

The leg L is also provided with a hinge 6 to which a rod 7 is connected at one end, while the other end of said rod is curved inwardly and is pivotally connected to a hinge 8 attached to the back *b* of the cabinet at a point below the hinges 2, 2. In this connection it will be observed that the distance between the axis of hinges 2, 2, and hinge 8 is the same as the distance between the axis of hinges 4 and 6, so that rod 7 and table T are always parallel, and when the table T is moved outwardly into position for use, as shown in Fig. 1, the leg L thereof will be correspondingly moved outwardly into position for supporting the outer end of the table and will be held by rod 7, the upper end of leg L when extended abutting the lower side of the cleat 5 on the table.

Now, the seats S and S′ are arranged in the same manner as the table T and on opposite sides thereof. Said seats are disposed, when in position for use, in a horizontal plane substantially below the plane of the table T, and their inner ends are hingedly

attached to the back *b* of the cabinet by means of hinges 9, 9, etc., while their outer ends are supported on legs L'. The outer ends of the seats S and S' are provided with transverse cleats 10 to which the legs L' are pivotally connected by means of hinges 11, and said legs L' are also provided with hinges 12 to which the outer ends of bars 12' corresponding to the bars 7 are hingedly attached.

The inner ends of the bars 12' are pivotally connected with hinges 13 attached to the back *b* of the cabinet below the hinges 9, the distance between the hinges 19 and 13 being the same as the distance between the hinges 11 and 12, so that the legs L' will be collapsed when the seats are raised and moved inwardly into the cabinet, and the legs will be extended into position shown in Fig. 1 when the seats are extended into position for use.

It will be observed that the parallel bars 7 and 12' are substantially similar in all respects, and the inner ends of said bars are curved so as to clear the lower ends of table T and seats S and S' when said elements are collapsed within the cabinet as shown in Fig. 4.

Now, in order that the table T and seats S and S' may be simultaneously moved into and from position for use, I provide means for operatively connecting the inner portions of said elements together, said means consisting of a pair of bars or links B and B' which are pivotally connected respectively, with the inner portions and adjacent edges of the seats S and S', and the upper ends thereof are pivotally connected with the outer edges of table T. Thus, when the table is retracted within the cabinet, the seats S and S' will also be correspondingly moved and retracted into the collapsed position shown in Fig. 4.

The doors D and D' are provided with chains or other suitable means as at C', C', which are attached preferably to the upper ends of the doors at points midway between the edges thereof, and to the back *b* of the cabinet for limiting the outward movement of the doors to the position shown in Figs. 1 and 2, and holding the same in planes which are disposed at right angles to the face of the cabinet C and paralleling the extension members T, S and S'.

The inner sides of said doors are provided with portions 15, 15 which extend from the plane of the seats S and S' upwardly for a convenient distance and are flared backwardly so as to provide backs for the seats S and S' when the seats are extended and the doors are in their open position, shown in Fig. 2. This provides more comfort for the occupants of the seats S and S', and the chains or limiting devices C', C' serve to hold the door so that the occupants of the seats may lean thereagainst.

Altogether it will be observed that I have provided a compact, simple, economical and convenient structure which is adapted to be built into the walls of a kitchen or breakfast room, and within which the table and seats may be collapsed and closed and from which the said table and seats may be extended at will for use.

What I claim is:

1. A built-in furniture unit including a cabinet having a door hinged to the front thereof and adapted to swing outwardly, means for limiting the outward movement of said door to a plane substantially at right angles to the front of said cabinet, a table hingedly supported to the back of said cabinet and adapted to be collapsed and housed therewithin when not in use, and to be extended therefrom into horizontal position for use, a seat also hingedly connected to the back of said cabinet and additionally connected with said table for simultaneous movement therewith, and adapted to be extended outwardly from the cabinet to horizontal position adjacent said door, and a seat back fixed to the inner side of said door and adapted to be positioned adjacent said seat when said door is opened, for the purpose described.

2. A built-in furniture unit including a cabinet having a door hinged to the front thereof and adapted to swing outwardly, means for limiting the outward movement of said door to a plane at right angles to the face of said cabinet, a table and a seat independently hinged to the back of said cabinet and hingedly connected together for simultaneous movement, whereby the same may be collapsed and housed within said cabinet and extended to horizontal positions outwardly of the cabinet, said seat and said table having depending legs hinged thereto, and bars connecting said legs with the back of said cabinet whereby the legs will be extended when said table and seat are extended for use, and the same will be retracted and folded against the said table and seat respectively when said members are collapsed, and a seat back attached to the inner side of said door and adapted to be positioned adjacent said seat when the door and seat are positioned for use.

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