

Aug. 20, 1929.

H. L. BRAND

1,725,438

FURNITURE

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2 Sheets-Sheet 2

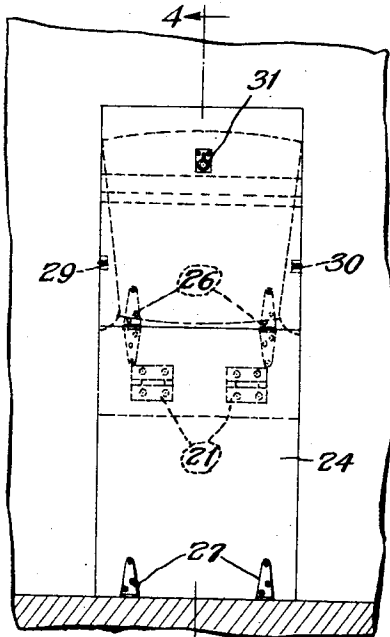


Fig. 3

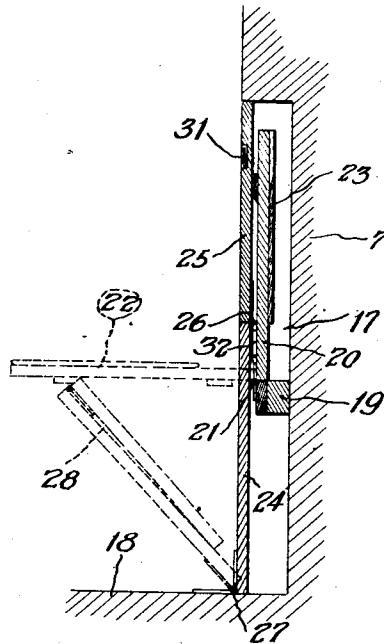
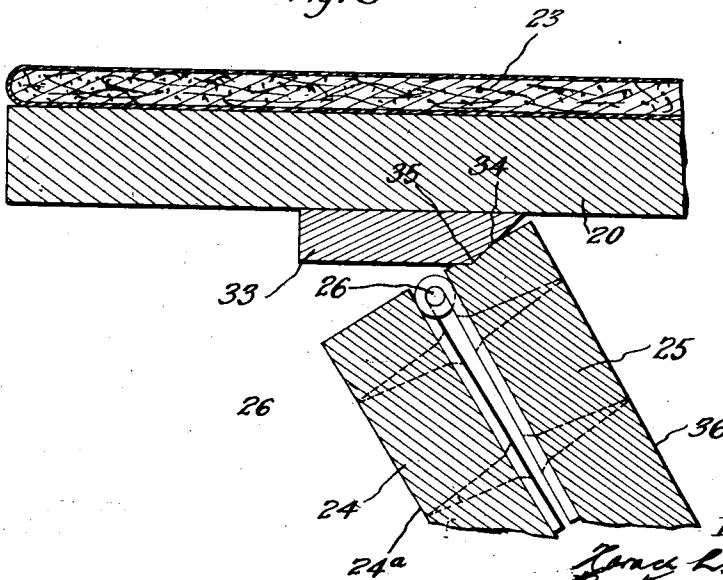


Fig. 4

Fig. 5



Witness:
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UNITED STATES PATENT OFFICE.

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FURNITURE.

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This invention relates broadly to building structures, more particularly to such structures as embody improvements in furniture, the present invention involving first, improved combined table and seating arrangement, and secondly, a improved collapsible seat structure.

This invention finds especial utility in affording an improved combined table and seating arrangement where the available space is small, but, as will appear, the improved seat construction, here shown as embodied in a wall, may be employed in other places and in other arrangements than that shown, and will be found highly efficient when used in small apartments, small boats, vehicles, and the like, and, therefore, it will be seen that this invention finds a wide field of utility for varied purposes and arrangements.

The principal objects and advantages which characterize this invention reside in the provision of an improved building construction characterized by the embodiment therein of an improved table and seating arrangement; the provision of an improved permanent combined table and seating arrangement; the provision of an improved combined table and seating arrangement characterized by the embodiment therein of an improved collapsible seat structure; the provision of an improved combined table and seating arrangement which occupies a minimum of space and yet affords comfort; the provision of an improved combined table and seating arrangement which is collapsible to permit of use of the space occupied thereby for other purposes; and the provision of a structural arrangement of the character described which is simple in construction, may be folded compactly and completely concealed when not in use, and wherein there are employed a minimum number of parts for practicability.

As hereinabove pointed out, this invention is characterized by the provision of an improved seat construction which may be embodied in a wall or partition and characterized by the provision of means which serves to conceal the seat when collapsed and support said seat when extended; and the further provision of such a concealing and supporting means whereby the outer surfaces of the parts may be preserved against mar-
ring, or other damage when in use.

The foregoing and such other objects and

features as may appear or be pointed out as this description proceeds are attained in one structural embodiment illustrated in the accompanying drawings, in which:

Figure 1 is a plan view of the table and seating arrangement constructed in accordance with this invention, two forms of the seating device being illustrated;

Figure 2 is an end elevational view, parts being shown in section;

Figure 3 is a front elevational view of one of the seating devices;

Figure 4 is a vertical sectional view taken on line 4—4 of Figure 3, looking in the direction indicated by the arrows; and

Figure 5 is an enlarged fragmentary sectional view of a detail taken on line 5—5 of Figure 1.

Referring more particularly to the drawings and first to Figures 1 and 2, there is illustrated a table and seating arrangement arranged in an alcove 5 bordered by the walls 6 and 7 and the wall 8. The walls 6, 7 and 8 defining the alcove 5 may be partitions in an ordinary apartment consisting of other rooms, or may be the side walls and an end bulk-head of a deck-house on a small boat, or the alcove 5 may be a compartment in a railway car. Other embodiments will occur to those skilled in the art.

The table 9 is hingedly mounted by means of hinges 10 at the lower edge of a recess 11 formed in the wall 8, which recess is adapted to receive the table when swung up. The table is provided with a pocket or recess 9^a in its under face and a supporting leg 12 is mounted on hinges 13—13 in the outer end of said recess, the upper end of the leg 12 being enlarged at 14 for this purpose. A latch 15 holds the table in the recess when not in use. A pair of hinged doors 15^a of any desired suitable construction are provided for closing the chamber 11 when the table 9 is swung up into the recess of pocket 11. A spring latch 15^b holds the doors closed.

It will be observed from an inspection of Figure 1 that when the table is swung out as shown its side margins are equally spaced from the walls 6 and 7, thus affording ample room for the seat members generally designated 16—16, when swung out from their respective chambers or recesses, as shown.

It will be observed that there are illustrated four of the seat members, but it will be obvious that any number of the same may be installed depending upon the space found

to be available. The seat members shown at the left of Figure 1 are constructed in accordance with one form of this invention and those to the right are constructed in accordance with another form. The seat members shown at the right are employed where they are installed when the wall is built, and are described first.

Reference being had to Figures 3 and 4, it will be observed that the wall 7 is provided with a vertical pocket or chamber 17, and in said pocket, at a proper height from the floor 18, there is provided a transverse supporting beam 19 on which the seat section 20 is hingedly mounted at 21, said seat section being adapted to be swung outwardly into a horizontal position as shown in Figure 2 and indicated in dotted lines at 22 in Figure 4. The seat member 20 may be provided with upholstery 23 which, when the seat is swung out, is presented in the proper relationship.

The recess is closed and the seat supported by a closure member comprising the panel sections 24 and 25, which latter are hingedly connected at their adjacent ends by the provision of hinges 26 secured to the inner faces of said panels. The lower panel section 24 is hingedly mounted on the floor 18 by the provision of a pair of hinges 27, so that the panel sections 24 and 25 may be swung outwardly into the position shown in Figure 2 and indicated in dotted lines at 28 in Figure 4.

When the panel sections 24 and 25 are in the closed position as shown in Figures 3 and 4 the conventional spring pressed ball catches 29 and 30 engage in suitable recesses in the sides of the pocket 17 for retaining the panels closed. A ring 31 is embedded in the front face of the panel 25 so that the panels may be opened when desired. When in closed position the upper portion of the bottom panel 24 engages a block 32 carried by the under surface of the seat 20, so that the panels lie flush with the outer surface of the wall 7 and in a vertical alignment.

When the collapsible seat is to be used, the panels 24 and 25 are opened and swung outwardly to the position shown in Figure 2, the panel 25 folding in upon the panel 24. The upper end surface of the panel 25 is adapted to engage a cleat 33 arranged transversely on the under surface of the seat member 20, said cleat having a rear surface thereof inclined as at 34 to form an abutment adapted to seat in a transverse groove 35 in the adjacent end surface of the panel 25, and thus maintain the seat in a horizontal position.

It is noteworthy and important that the outer surface 36 of the panel 25 and the outer surface 24^a of the panel 24 do not come in contact with the seat, the angularity of the panels and the provision of the inclined surface 34 on the cleat 33 preventing contact

of the outer surfaces of the panels with the seat. Thus it is impossible for the seat to mar the edges, corners or outer surfaces of the panel members when in use.

Referring now to the structure of the seat shown at the left of Figures 1 and 2, an arrangement is provided adapted for installation in a wall which has already been built. In this arrangement I provide a casing or cabinet 37 similar in general shape to the recess 17, and said cabinet or casing may be let into the wall, in this case the wall 6. The seat construction, panel construction and their association and operation are identical in this arrangement with that illustrated in Figures 3 and 4.

It will be readily apparent that in the form of the invention shown in the left hand sides of Figures 1 and 2 the collapsible seat may be embodied in any piece of furniture and that the seat and the cabinet are in themselves a complete unit suitable for installation at any point desired. For example, the present invention may be utilized in connection with automobile body design, theatre seating, etc.

From the foregoing it will be evident that when not in use for dining or similar purposes the alcove or compartment 5 may be utilized for other purposes, the table folding entirely into the wall and the seats being similarly withdrawn out of the way if desired.

It will be obvious that the outer surfaces of the panels 24 and 25 may be upholstered or provided with an outer finish in conformity with the decoration of the walls 6 and 7, and that the doors which serve to close the chamber which contains the table may similarly be provided with an outer finish in conformity with the general finish or appearance of the alcove.

An important feature of this invention resides in the provision of the panel members which perform the two-fold function of completely concealing the seats when housed, and for supporting such seats in proper position when in use.

Another desirable end is attained by me, as will be perceived on consideration of Figure 4 of the drawing, where it is clear that inasmuch as the panel members 24 and 25 may be made flush with the wall 7, the panels may be so coated with the wall covering that their existence as panels is hardly perceptible.

Having thus described my invention and illustrated its use, what I claim as new and desire to secure by Letters Patent is:

1. A wall seat comprising a seat member fixedly hinged in a recess in the wall and a panel hingedly mounted on the floor for concealing said hinged member by closing such recess, said panel member serving to support said seat member when in a predetermined position.

2. A wall seat comprising a member fixedly hinged on a wall, and a panel also hinged on the floor below said hinged member for concealing said member, said panel serving as the sole support of the outer end of the hinged member in a predetermined position.

3. A wall seat comprising, in combination with a wall recess, a seat member fixedly hinged in said wall recess and adapted to be swung outwardly therefrom, a panel member fixedly hinged to the floor to close said recess and conceal the seat member, said panel member being divided into a plurality of sections hinged and having the uppermost of said section abutting the seat when swung out for supporting the latter.

4. A wall seat comprising, in combination with a wall recess, a seat member fixedly hinged in said wall recess and adapted to be swung outwardly therefrom, a panel member

fixedly hinged to the floor to close said recess and conceal the seat member, said panel member being hinged at its medial portion to form a pair of sections foldable upon each other and having the uppermost section abutting the seat when swung out for supporting the latter.

5. A wall seat comprising, in combination with a wall recess, a seat member fixedly hinged in said wall recess and adapted to be swung outwardly therefrom, a panel member fixedly hinged to the floor to close said recess and conceal the seat member, said panel member comprising two hinged sections which are folded upon each other so that the inner section directly supports the seat member when swung out.

In testimony whereof I have hereunto signed my name.

HORACE L. BRAND.