C. F. KADE.

CONVERTIBLE TABLE.

APPLICATION FILED DEC. 14, 1914.

1,151,470.

Patented Aug. 24, 1915.

3 SHEETS—SHEET 1.

Fig. 1.

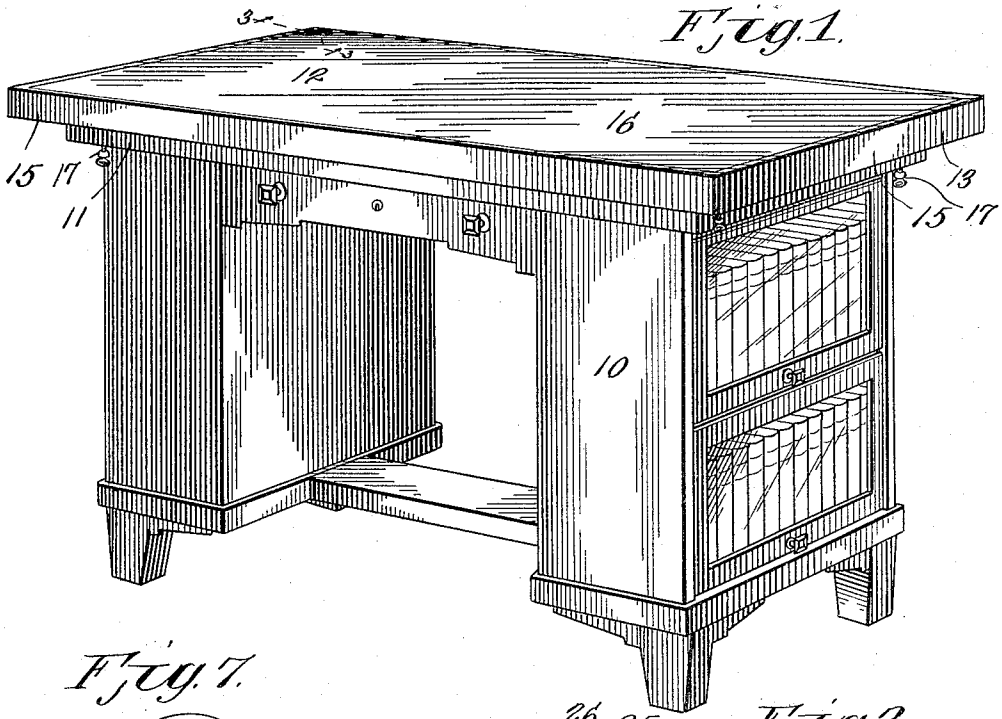


Fig. 7.

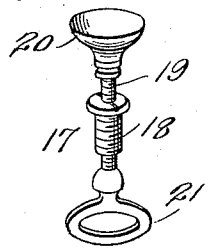
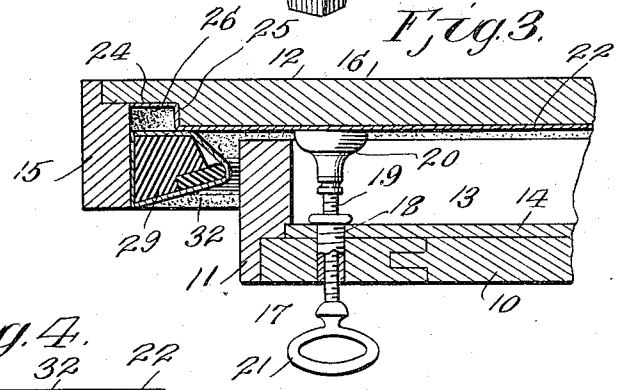


Fig. 3.



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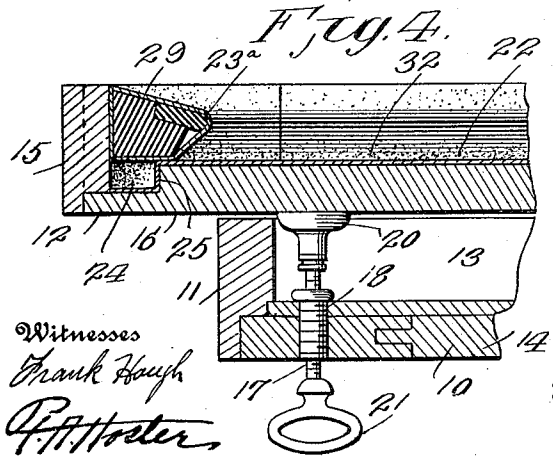

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3 SHEETS—SHEET 2.

Fig. 2.

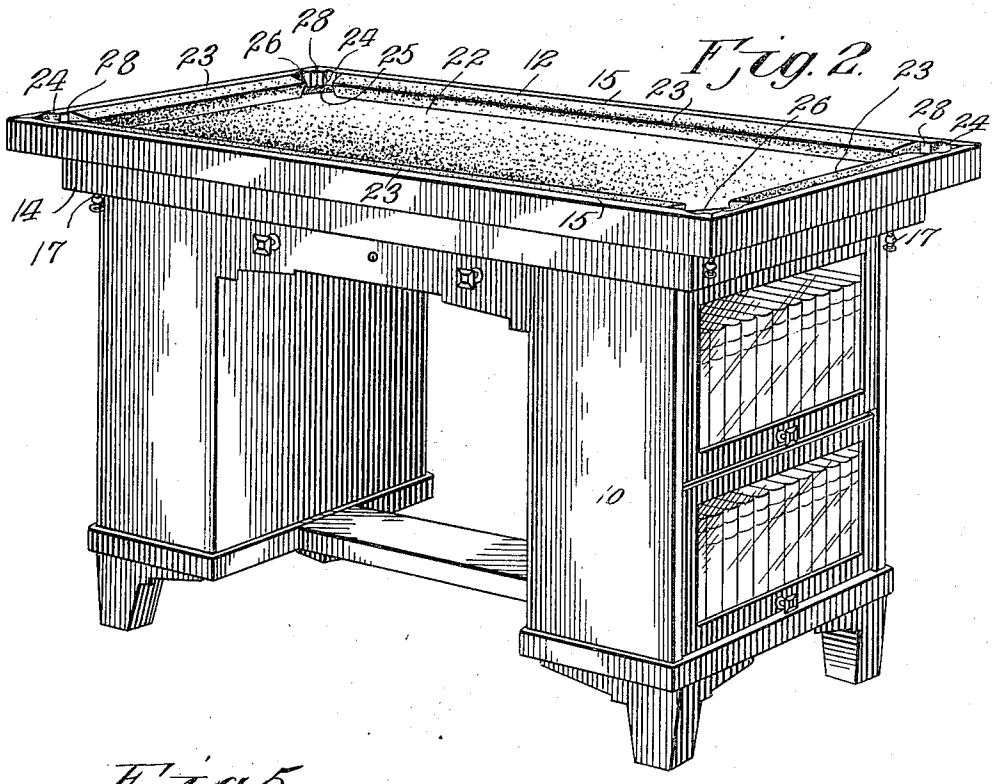


Fig. 5.

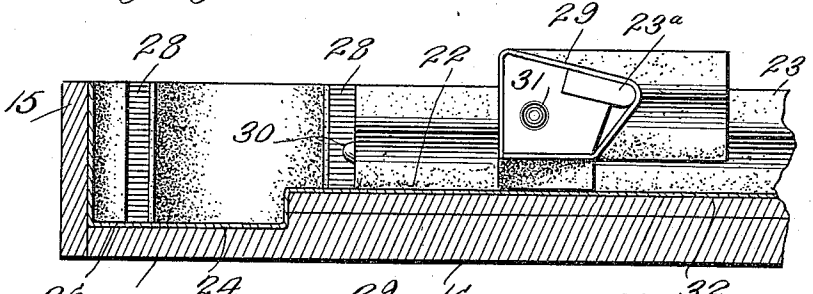
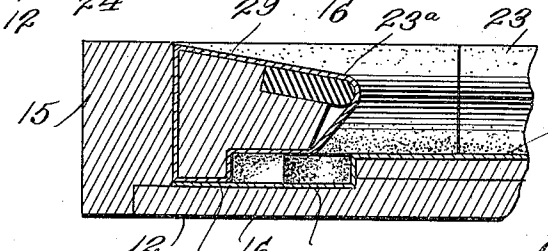


Fig. 6.



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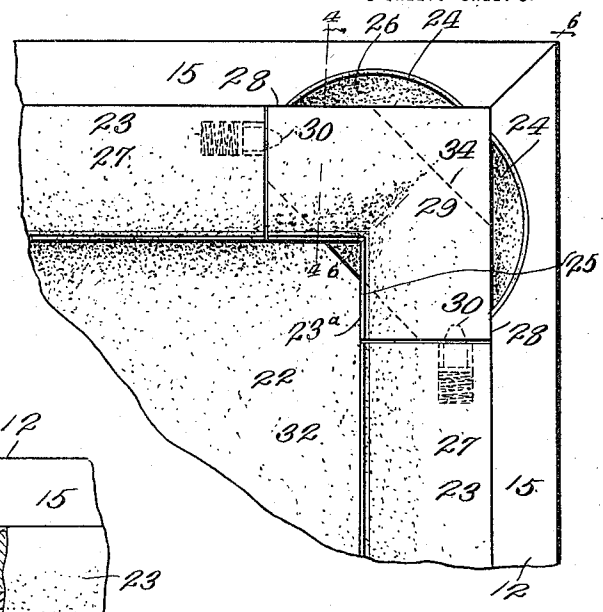
3 SHEETS—SHEET 3.

Fig. 8.



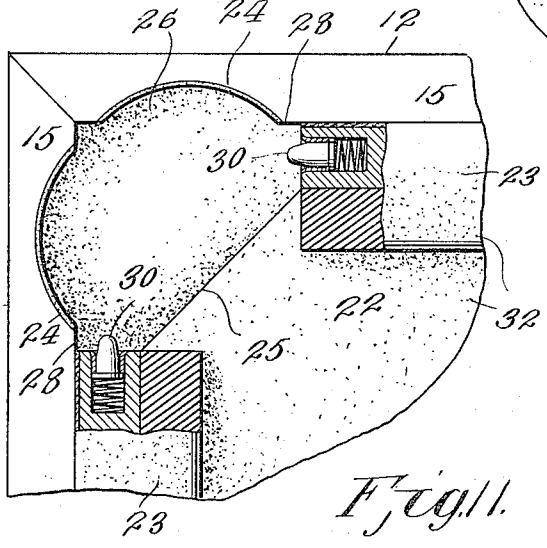
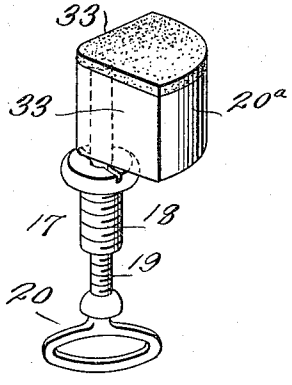


Fig. 11.

Fig. 10.



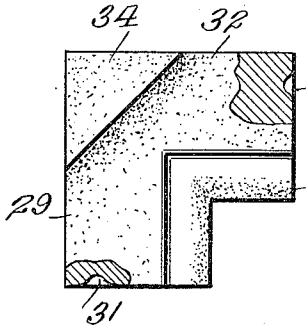


Fig. 9.

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CONVERTIBLE TABLE.

1,151,470. Specification of Letters Patent. Patented Aug. 24, 1915.

Application filed December 14, 1914. Serial No. 877,173.

To all whom it may concern:

Be it known that I, CHARLES F. KADE, a citizen of the United States, residing at Plymouth, in the county of Sheboygan and State of Wisconsin, have invented new and useful Improvements in Convertible Tables, of which the following is a specification.

The invention relates to furniture, and has for an object to provide a convertible table or desk.

The invention contemplates, among other features, the provision of an article of furniture which, normally providing a desk or table, can be converted into a game board, the convertible feature of the article of furniture residing in the top and which, normally forming the table top, can be converted into a pool or billiard table.

The invention further contemplates the provision of an article of furniture in which the conversion of a portion thereof from a table top to a game board can be readily accomplished, the table top in one instance providing a smooth flat surface and in the other instance the desired game board, such as a pool or billiard playing surface.

Still further objects of the invention reside in suitable means whereby the body forming the table top or the game board can be readily leveled with respect to its base or support whether the article of furniture is being used as a table or as a game board.

Still further objects of the invention reside in the provision of an article of furniture wherein the surface of the table top will be absolutely smooth and unmarred throughout and at the same time, when said table top is inverted, it will provide a game board such as, for instance, is desired in the game of pool wherein suitable pockets are necessary for the reception of balls, which pockets, however, do not extend through or mar the plane surface of the table top.

In the further disclosure of the invention reference is to be had to the accompanying drawings, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which:

Figure 1 is a perspective view of the article of furniture when used as a table; Fig. 2 is a fragmentary perspective view of the article of furniture when used as a game board; Fig. 3 is a fragmentary vertical longitudinal sectional view taken through the structure shown in Fig. 1; Fig. 4 is a fragmentary vertical sectional view taken through the structure as shown in Fig. 2; Fig. 5 is a fragmentary vertical sectional view taken through one of the corners of the table top, with one of the corner pieces for the cushions shown in removed position to the pocket; Fig. 6 is another fragmentary vertical sectional view taken through one of the corner pieces of the pockets; Fig. 7 is a perspective view of the leveling structure; Fig. 8 is a fragmentary plan view of one of the corners of the table top, showing the corner piece for the cushion in position; Fig. 9 is a bottom plan view of the corner pieces; and Fig. 10 is a perspective view of a modified form of leveling structure. Fig. 11 is a fragmentary detail plan view of one corner of the vertical table.

Referring to the views, and more particularly to Fig. 1, I disclose a table body 10 provided with a continuous upwardly extending ledge 11, a table top 12 being supported upon the ledge, with said ledge and top forming a compartment 13. The bottom of the compartment is formed by a board constituting the upper part of the table body 10 and which I will term a base 14, it being in the nature of a base board for the ledge 11 which it carries and for the table top 12 supported by the ledge. The table top 12, as shown in Figs. 1 and 3, has a continuous rim 15 and which, in these views, is shown to depend from the table top, said table top 12 providing a plane surface 16. It will be seen that when the table top rests upon the ledge 11 as mentioned the edges of the table top will extend beyond the sides of the ledge and the rim 15 will, therefore, be considerably spaced from the sides of the ledge. In order to support the table top 12 upon the ledge 11 so that the plane surface 16 will be absolutely level, there are provided a series of leveling devices 17, each consisting of an interiorly and exteriorly threaded member 18 suitably seated in the base 14 and held by the exterior threads

thereof, with a threaded shank 19 associated with the interior threads of the member 18, the upper end of the shank carrying a suitable cushion 20 and which is preferably made of rubber and in the nature of a cup so that it will provide a suction cushion bearing against and engaging the under side of the table top 12. A handle 21 on the lower end of the shank permits of turning the shank upon the member 18, and which turning movement will, as will be readily seen, raise or lower that end or part of the table top against which the cushion bears. Now by providing four leveling devices upon each base 14 to engage the single table top thereon it will be seen that the table top can be raised or lowered by the four devices provided at the corners of the base so that the table top can be readily leveled. It will of course be apparent that instead of the suction cushion 20, a cushion 20^a in the nature of a block can also be employed, the arrangement of the cushion with respect to the table top being hereinafter more fully disclosed.

The table top 12 is adapted to be inverted upon the table body 10 to provide a game board or surface 22 for pool or billiards, and to this end the inner face of the rim 15 is provided with a series of cushions 23, such as are usually found on pool or billiard tables, said cushions having their ends terminating at the corners of the table top and at which places the rim is cut away to form pockets 24, the playing surface of the game board at the pockets being cut away to form a ledge at each pocket, whereby each pocket will have its bottom lower than the playing surface of the game board and in the nature of a supplementary bottom 26. Now it will be clearly seen that when the table top has been inverted the cushions of the leveling devices will bear against the plane surface 16 of the table top, the game board being now exposed to be played upon, and it will be clearly seen that when the game of pool or the like is played upon the game board surface the usual balls (not shown) can be shot into the pockets 24 and will be retained therein or prevented from rebounding out of the pockets by the ledge 25. It will be further noted that the formation of the pockets in the table top and on its game board side is such that the pockets do not mutilate, mar or break up the plane surface 16 of the table top, while at the same time the pockets in view of their ingenious construction and arrangement in the table top provide effective means for receiving and holding the balls used in the game of pool. When the table top is so positioned that the game board surface will be the under side of the table top and the plane surface its upper side as shown in Fig. 1, it will be noted that the cushions 23 of the game board, which are preferably seated in rails 27, the ends of said rails forming the sides of the pocket, will not engage the sides of the ledge 11 but will lie between the ledge and the rim 15 so that the cushions will be protected against being struck, injured or otherwise displaced so as to throw them out of proper true position with respect to the playing surface of the game board, whereas they will be further protected from any fluid or the like which might accidentally be spilled upon the surface 16 of the table top. It will also be noted that by having the edges and rim of the top projecting beyond the sides of the ledge and beyond the sides of the table body, that the lower or handled ends of the leveling devices will be out of the way and hardly visible to the ordinary observer, said leveling devices having their inner ends lying within the ledge extending around the sides and ends of the base 14. Each of the pockets 24 is formed by portions cut away from the rim as mentioned heretofore and, therefore, adjacently connected rim sections have faces 28 thereof adapted to be engaged by pocket pieces 29 of substantially right angled construction and which are adapted to be inserted in the pockets 24 to close said pockets and whereby the cushions 23 will appear as one continuous cushion when the pocket pieces are inserted in the pockets as mentioned, the game board being now used for the game of billiards. To the end that the pocket pieces 29 will be securely held in the pockets there are provided suitable spring-actuated buttons 30 secured to the ends of the rails 27 and which extend into recesses 31 in the pocket pieces when the pocket pieces are arranged in the pockets, to hold the pockets therein so that angular portions of the pocket pieces will aline and register with the rails and corresponding cushions 23^a of the pocket pieces will aline and register with the cushions 23 on the rails, it being of course understood that the rails, cushions and the playing surface of the game board are covered with a suitable material 32, such as felt or the like, the pockets 24 except for the faces 28, being lined with the same material. Now it will be clearly seen that when the plane surface of the table top is not in use the table top is positioned so that its plane surface will be exposed, the compartment 13, formed by the base 14 and table top 12, forms a convenient receptacle for the usual articles such as balls, cues (not shown) employed in the game of billiards and pool and that when the game board is not in use the pocket pieces 29, arranged in the pockets, will be out of the way. With reference, however, to the cushions 20^a of the leveling devices, it will be noted that these cushions are so constructed that their sides 33 can bear against

the edges of the cushions 23 and 23a of the side rails and the pocket pieces when the pocket pieces are in the pockets so that said cushions 23a will prevent lateral movement of the table top upon the body 10.

From the foregoing description it will be seen that the table top can be used in connection with any form of table body having a suitable counter or base such as the one set forth and that the table top extends beyond the edges and sides of the table body or the base supporting the table top whether the table top be in position to expose its plane surface or its playing surface. It will also be clearly seen that the formation of the pockets in the corners of the playing surface of the top does not mar or mutilate the plane surface of the top, said pockets not extending through the top sufficiently to effect the plane surface, whereas the pockets furthermore, by the formation of the ledges 25, prevent the balls received in the pockets from rebounding out on to the playing surface. In order to insure the proper positioning of the pocket pieces in the pockets each pocket piece on its under side is preferably provided with a preferably triangular portion 34 engaging the supplementary bottom of the pocket as shown. Thus the table top described can be used in connection with various forms of table bodies or counters and need not be used with a table body especially adapted for the purpose, it being possible, however, with the table top shown, to entirely remove the table top if desired, so that the base will form the top of the table body and provide a plane surface. Furthermore, the supporting of the table top upon the base of the table body is insured without the use of intricate mechanical locking means or contrivances, as are ofttimes used in connection with convertible pool and billiard tables, and it will be clear that a structure such as described will present a neat and effective appearance, particularly when used in connection with a table body whereby the entire article of furniture will constitute a convenient library table when the plane surface of the top is exposed and the game board when the table top is reversed to have its plane surface on the under side.

Having thus described my invention, I claim:

1. A table comprising a body, a top for the body, an invertible table top member in superposed relation to the body, adjustable cushion-like members movably carried on the body and engaging the under side of the table top member for supporting said table top member and adjusting the same with respect to said top, and a continuous rim forming the edge of the table top member, said rim projecting beyond a face of the table top member and lying outside of the edges of the top of the body and in spaced relation to said body whereby said ledge will partially conceal the top of the body and said cushion-like supporting members.

2. The combination with a table having a permanent top, of a loose and removable convertible top having a flat side and an opposite side formed to provide a game board, and means adjustably mounted in the permanent top for supporting the convertible top in either position.

3. The combination with a table having a permanent top, of a loose and removable convertible top having a flat side and an opposite side formed to provide a game board, means adjustably mounted in the permanent top for supporting the convertible top in either position, said means including a plurality of turn screws, sleeves held in the permanent top and adjustably receiving the screws, and a member on each screw to form a rest for engagement with the loose top at either side thereof.

4. The combination with a table having a permanent top, of a loose and removable convertible top having a flat side and an opposite side formed to provide a game board, means adjustably mounted in the permanent top for supporting the convertible top in either position, said means including a plurality of turn screws, sleeves held in the permanent top and adjustably receiving the screws, a member on each screw to form a rest for engagement with the loose top at either side thereof, and marginal walls on the loose and permanent tops and adapted to conceal the said permanent top and the game board side of the loose top when the game side is in inverted position.

5. The combination with a table having a permanent top, of a loose and removable convertible top having a flat side and an opposite side formed to provide a game board, means adjustably mounted in the permanent top for supporting the convertible top in either position, said means including a plurality of turn screws, sleeves held in the permanent top and adjustably receiving the screws, a member on each screw to form a rest for engagement with the loose top at either side thereof, and marginal walls on the loose and permanent tops and adapted to conceal the said permanent top and the game board side of the loose top when the game side is in inverted position, while the marginal wall of the permanent top provides a compartment therein.

6. The combination with a support, of an invertible top formed with marginal walls and flat sides, cushions on the inner faces of the walls and cut away at the corners of the top, said top being provided with recesses forming pockets in the walled sides at the points of the corners, removable cushion corner pieces for insertion in the cut-away portions in the cushions to close the

pockets and for presenting an unbroken continuous impact surface throughout the border of the walled sides, and means carried by the cushions and engaging in the corner pieces for detachably locking the latter in place.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES F. KADE.

Witnesses:
R. P. MEYER,
LEON E. GRIER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."