

1

CONCEALABLE TABLE**CROSS REFERENCE TO RELATED APPLICATIONS**

Not Applicable

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

Not applicable.

TECHNICAL FIELD

This invention relates to the field of tables attached to a wall or other upright structure which have a table top which in stored position is essentially parallel to a wall and a use position in which the table top is essentially perpendicular thereto.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is an environmental view of one embodiment of the present invention showing users employing a table top in use position

FIG. 2A is a perspective view of the invention according to FIG. 1 with the table assembly in its closed or stored state;

FIG. 2B is a perspective view of the invention according to FIG. 1 illustrating the table assembly in transition from stored to open position

FIG. 2C is a perspective view of the invention according to FIG. 1 with the table assembly in its fully open state where it is in use position available for use as a table;

FIG. 3A is a perspective view of the underside of the table top according to FIG. 1 with the table assembly in its closed state from the point of reference of the wall looking outwardly, but removed from the wall, to allow viewing of the framework;

FIG. 3B is a perspective view of the invention according to FIG. 1 in its fully open state with material comprising the table top removed to allow viewing of framework;

FIG. 4A is a perspective view of the latching system found within the framework in its latched state;

FIG. 4B is a perspective view of the latching system found within the framework in its unlatched state;

FIG. 5A is a perspective view of the invention according to FIG. 1 from the table top side closest to the viewer, with the table top removed to allow viewing of framework;

FIG. 5B is a partial perspective view of the roller system of the invention in its closed state from the same side as for FIG. 5A;

FIG. 5C is a partial perspective view of the roller system of the invention in its open state from the same side as for FIG. 5A

FIG. 6 is a perspective view of an alternative embodiment of the invention.

DETAILED DESCRIPTION

A table assembly which permits a table top to have a first use position and a second stored position is disclosed. In the first position the table top may serve as a conference table, desk, dining table or the like and in the second stored position be positioned essentially parallel with an upright wall. The upright wall may be a wall of a room or the upwardly extending portion of a storage unit adapted to receive said table assembly. The storage unit may be only a few inches deep,

2

such as the area defined by structural two by fours commonly used for framing interior walls of rooms, or it may be deeper. The storage unit may also be a furniture piece comprising a variety of optional features. In one embodiment, a storage unit furniture piece comprises a deeper cabinet structure that may be fitted with, for example shelves for books and the like or a bar for hanging clothing. The upright wall does not form a part of the table assembly but may form a part of a furniture piece comprising a table assembly. Generally, the table assembly and/or storage unit is secured to an upright wall of a room or installed between the studs which frame the wall of a room.

The table assembly comprises a unit support casing which is a generally rectangular structure forming the outer dimensions of the assembly. It is generally made of four lengths of strong wood secured together to form a rectangular assembly large enough to surround a table top of the desired dimensions when the table top is in a stored position. In another embodiment, the unit support casing is integral to a furniture piece which may be affixed to a structure. The unit support casing comprises four inner casing surfaces, including a top inner casing surface, two side inner casing surfaces and a bottom inner casing surface.

The table assembly further comprises a table top which serves as the desired horizontal surface in the use position. The table top having a generally rectangular outline, comprising a table top surface and a table bottom surface, each of which have an outwardly facing side and an inwardly facing side, and four side surfaces each each of which have an outwardly facing side and an inwardly facing side, said side surfaces connecting the table top surface to the table bottom surface, said table top having a first use position and a second stored position in said assembly;

The outwardly facing table top surface faces the ceiling of the room in a use position and the outwardly facing table bottom surface faces the floor of the room in the use position. The four side surfaces may be integral to a table top made in a single piece or can be separate components attached to the table top and table bottom surface respectively.

The table top can be fashioned from many types of materials to provide an aesthetically pleasing or utilitarian surface in the use position. For example, the table top can be made out of fine woods, metal, laminate and the like. The table top surface and the table bottom surface can be made of the same or different materials. In some embodiments, the bottom surface will desirably be covered with a fabric, wallpaper, or other material which will permit it to either blend into or aesthetically complement the decor of the room. It is most preferred that the bottom surface of the table comprise an attractive material since when the table assembly is in the stored position, at least a portion of the bottom surface of the table top will be visible as a surface parallel to the upwardly extending wall of a room. In an alternate embodiment, the portion of the table bottom surface which will be so visible is only approximately the top half to top third. Therefore, if is desired that rare or expensive wood laminates or other coverings are visible when the table assembly is in stored position, the portion of the bottom surface of the table top which will not be visible need not be provided with the same material as the visible portion. The invention permits use of a large table top from about 60 to about 80 inches long, preferably from about 65 to about 75 inches long, and most preferably about 70 inches long. Most preferably, the table top is from about 25 to about 45 inches wide, preferably from 25 to 35 inches wide, and most preferably about 30 inches wide.

In the stored position, the four side surfaces of the table top lie adjacent the four inner casing surfaces of the unit support