Jan. 1, 1952 H. W. TERRELL 2,580,618

SECTIONAL TOP FOLDING WALL TABLE

Filed Sept. 2, 1949 2 SHEETS—SHEET 1

FIG. 1.

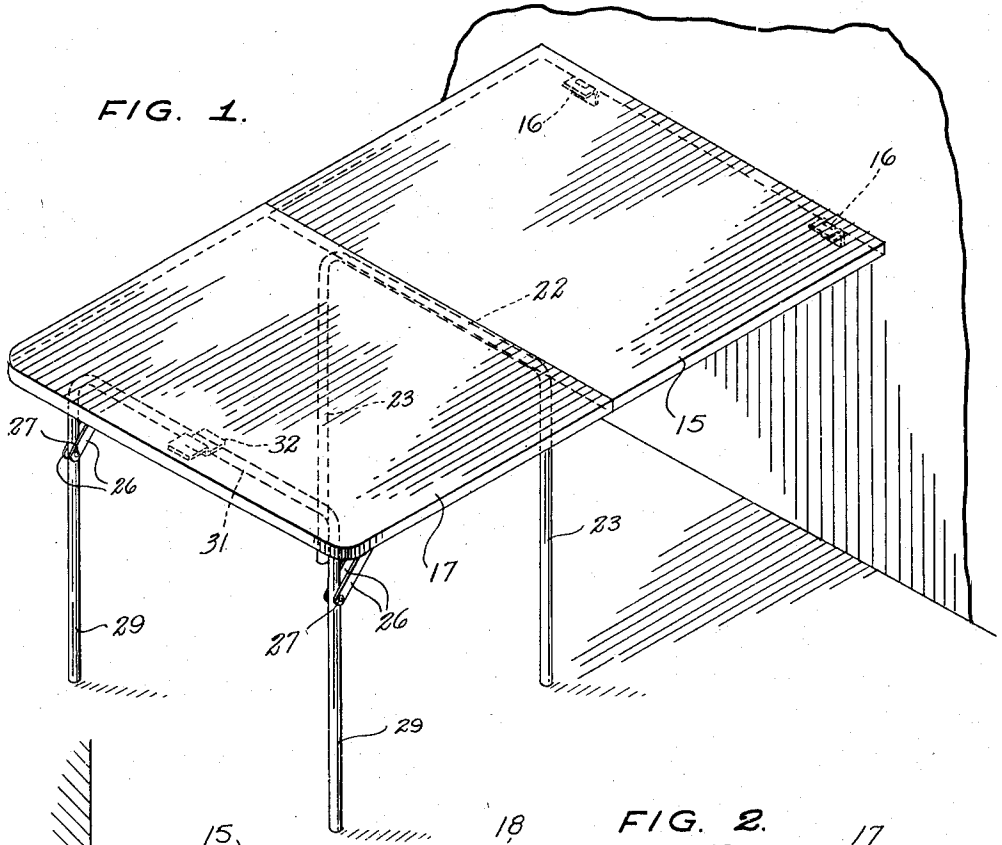
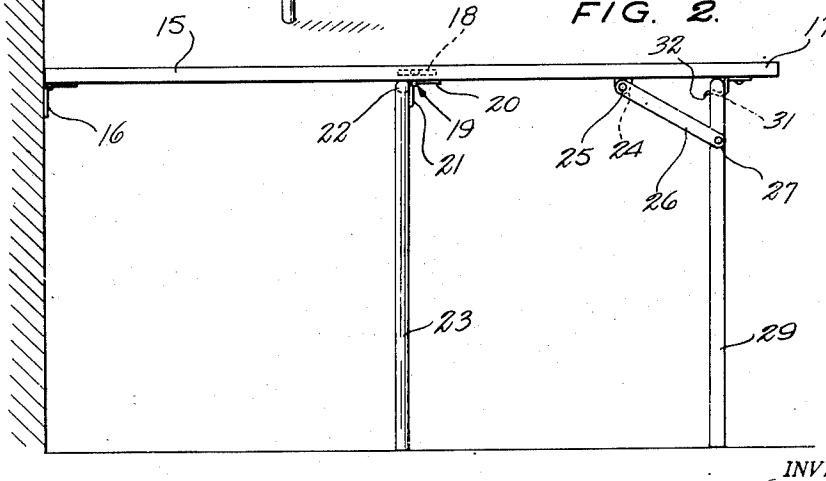


FIG. 2.



INVENTOR.
HAYES W. TERRELL
BY
McMorrow, Berman & Davidson
ATTORNEYS.

Jan. 1, 1952 H. W. TERRELL 2,580,618

SECTIONAL TOP FOLDING WALL TABLE

Filed Sept. 2, 1949 2 SHEETS—SHEET 2

FIG. 3.

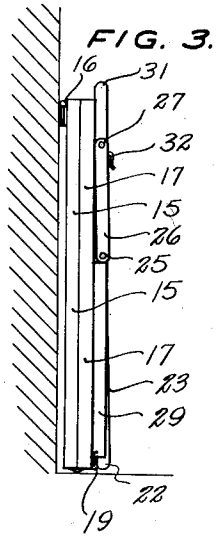


FIG. 4.

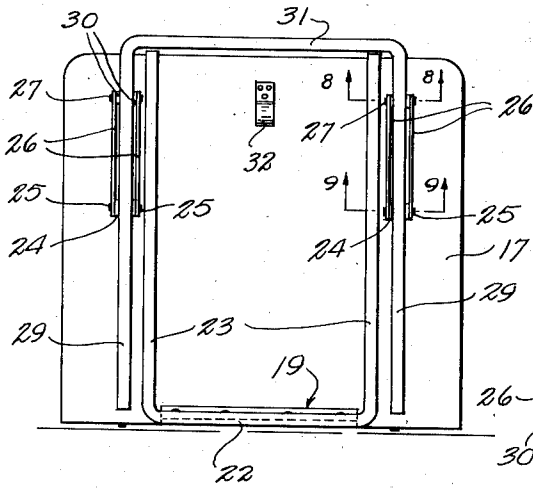


FIG. 7.

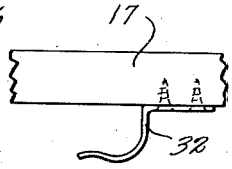


FIG. 8.

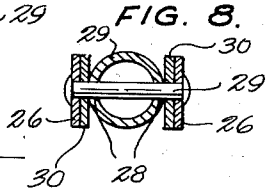


FIG. 5.

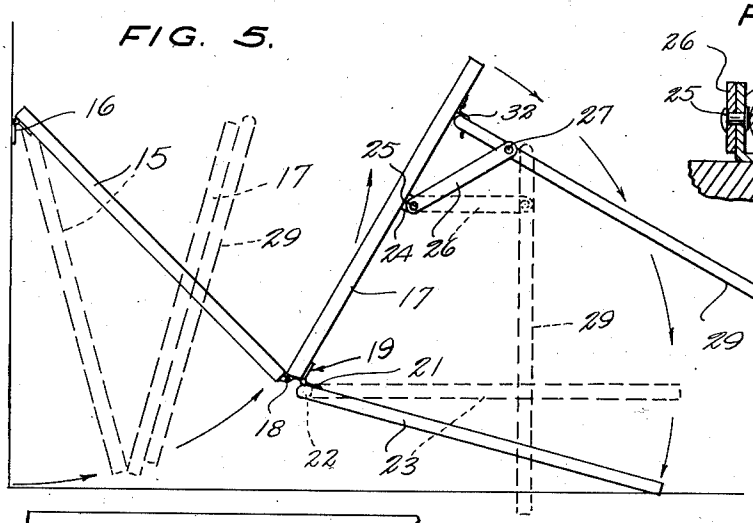
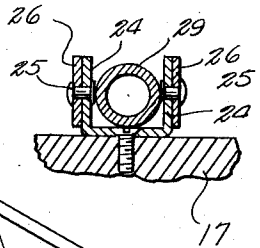


FIG. 9.



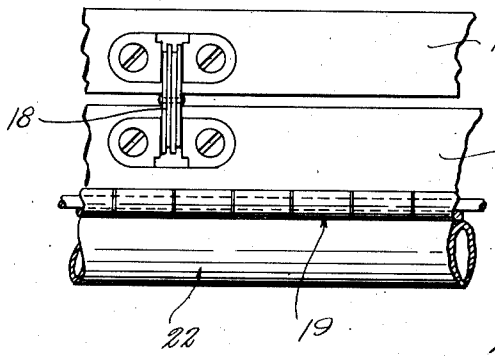


FIG. 6.

INVENTOR.
HAYES W. TERRELL,
BY
McMorrow, Berman + Davidson
ATTORNEYS.

Patented Jan. 1, 1952

2,580,618

UNITED STATES PATENT OFFICE

2,580,618

SECTIONAL TOP FOLDING WALL TABLE

Hayes W. Terrell, Sacramento, Calif.

Application September 2, 1949, Serial No. 113,809

4 Claims. (Cl. 311—19)

1

My invention relates to an improved folding wall table.

An important object of my invention is to provide a folding wall table for use in small apartments and the like, where space is limited, the table being foldable against the wall in an out-of-the-way position, where it occupies a minimum of space.

A further object is to provide a relatively inexpensive table of the abovementioned type which is characterized by simplicity of structure and durability.

A further object is to provide a collapsible table which may be shipped in a folded condition and can be connected with a wall of a room with a minimum of labor.

Other objects and advantages of my invention will be apparent during the course of the following description:

In the accompanying drawings, forming a part of this application, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a perspective view of a folding wall table embodying my invention,

Figure 2 is a side elevation of the same,

Figure 3 is a side elevation of the table in the folded position,

Figure 4 is an end elevation of the table as shown in Figure 3,

Figure 5 is a side elevation of the table illustrating the manner in which the same is folded and erected,

Figure 6 is an enlarged fragmentary side elevation showing hinges for leaves of the table and for a leg thereof.

Figure 7 is an enlarged fragmentary side elevation of a latch or keeper for a leg of the table,

Figure 8 is an enlarged fragmentary horizontal section taken on line 8—8 of Figure 4, parts omitted, and,

Figure 9 is a similar section, taken on line 9—9 of Figure 4, parts omitted.

In the drawings, where for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 15 designates a flat rectangular plate constituting the inner table top section or leaf, provided adjacent to its inner transverse edge with a pair of transversely spaced hinges 16, permanently secured to the underside of the inner leaf. The hinges 16 are adapted to be connected with the vertical wall of the room as shown, for supporting the inner or rear edge of the leaf 15 in such manner that the leaf 15 is foldable downwardly to a depending vertical

2

position, Figure 3, the hinges 16 being positioned at such a height on the wall that when the leaf 15 is in its depending position, in which it is close to and parallel to the wall, its lower edge will be disposed close to the floor, Figure 3.

Hingedly connected with the outer or forward edge of the leaf 15 is an outer table top section or leaf 17 which is in the form of a flat rectangular plate. The leaves 15 and 17 are connected by means of invisible hinges 18, of conventional construction, in such manner that when the leaves are in the horizontal position, Figure 1, their adjacent edges abut and there is substantially no space between the leaves, and the hinges 18 are concealed.

An elongated transversely extending hinge 19 has a leaf 20 rigidly secured to the underside of the outer leaf 17, adjacent to the inner transverse edge thereof, and another leaf 21 rigidly secured to a transverse horizontal bar 22, by means of welding, or the like. Rigidly secured to the opposite ends of the bar 22, and preferably formed integral therewith are legs 23, which are arranged to engage the floor when the leaves 15 and 17 are in the horizontal position, Figures 1 and 2, and to be swung outwardly and upwardly to engage the underside of the outer leaf 17 in the folded position of the table. The legs 23 and bar 22 are preferably formed from a unitary section of cylindrical metal tubing of uniform diameter.

Rigidly secured to the underside of the outer leaf 17 near its outer edge and spaced inwardly from its opposite side edges are a pair of transversely spaced inverted U-shaped brackets 24, having their arms apertured and receiving pins or rivets 25. Pivotally mounted on the pins 25 at the outer sides of the arms of the brackets 24 are the upper ends of vertically swingable plates or braces 26, having their lower ends pivotally connected with the outer ends of the pins 27, extending through apertures 28 formed in legs 29, with washers or spacers 30 positioned between the braces and the opposite sides of the legs 29. The legs 29 are connected at their upper ends by a transverse horizontal bar 31, integral therewith, the bar and the legs 29 being preferably formed from a unitary section of cylindrical metal tubing of the same diameter as the tubing used to form the legs 23. Arranged between the inverted U-shaped brackets 24 and forwardly thereof and near the forward transverse edge of the leaf 17 is a resilient catch or keeper 32, rigidly secured to the underside of the leaf 17 at its transverse center. The catch 32 may be formed of spring steel or the like and is adapted to engage beneath

the bar 31 when the legs 29 are swung to their depending positions, Figures 1 and 2, so as to resiliently hold the legs in this position. The legs 29 are swingable about the pins 27 and with the braces 26, about the rivets or pins 25.

In use, the table may be folded and stored in the position shown in Figures 3 and 4. In such position the table is arranged vertically against the wall with which it is connected, and occupies very little space. When in the folded position, the inner leaf 15 is swung in a depending position and lies flat against the wall, and the outer leaf 17 is in an upwardly projecting position and lies flat against the leaf 15, the legs 29 being in a depending position and lying flat against the underside of outer leaf 17, with the legs 23 extending upwardly and lying flat against the underside of the outer leaf 17 between the legs 29.

To set up the table the legs 23 are first swung downwardly to the horizontal position. Then the legs 29 are swung upwardly away from the leaf 17 to a horizontal position and the transverse bar 31 is engaged within the catch 32. The leaves 17 and 15 are then pulled up to the horizontal position wherein they will be supported by the legs. Figure 5 illustrates clearly the manner in which the table is erected.

The leaves of the table may be formed of wood, plastics, or any other suitable material.

It is to be understood that the form of the invention herewith shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size and arrangement of parts may be resorted to, without departing from the spirit of my invention, or the scope of the subjoined claims.

Having thus described my invention, what I claim is:

1. A collapsible table for attachment to a wall of a room, comprising an inner leaf, a hinge connected with the inner end of the inner leaf and adapted to be secured to the wall so that the inner leaf may be raised and lowered, an outer leaf hingedly connected with the outer edge of the inner leaf and swingable upwardly from a depending to a horizontal position, a transverse hinge connected with the inner edge of the outer leaf, an inner leg secured to the hinge to swing from the outer leaf to engage the floor beneath the hinge for supporting the inner and outer leaves, brackets secured to the bottom of the outer leaf, vertically swingable braces pivotally connected with the brackets outer legs pivotally connected with the braces near the ends of the braces remote from the brackets, a transverse bar secured to the outer legs and extending between the same, and a latch secured to the underside of the outer leaf and engaging the transverse bar for releasably holding the outer legs in vertical positions.

2. In a folding wall table, an inner leaf having inner and outer edges, first hinge means on said inner leaf at its inner edge for securing said inner leaf to a wall to depend along the wall in the folded position of the inner leaf and enabling said inner leaf to be swung upwardly to extend horizontally from the wall in its unfolded position, an outer leaf having an inner edge and an outer edge, second hinge means connecting said inner and outer leaves together with their outer and inner edges in juxtaposition and enabling said outer leaf to occupy a folded upwardly extending vertical position along the outer side of said inner leaf in the folded position of the inner leaf and to be swung downwardly and outwardly away from said inner leaf as said inner leaf is swung up to unfolded position so as to put said outer leaf in horizontal alignment with said inner leaf in the unfolded position of the inner leaf, inner leg means hinged on said outer leaf adjacent to its inner edge to occupy a folded upwardly extending position along the outer side of said outer leaf and to be swung outwardly and downwardly therefrom to an unfolded position in which said first leg means depends from said outer leaf to engage the floor in the unfolded position of said outer leaf, and outer leg means hinged on said outer leaf adjacent to its outer edge to occupy a depending position along the outer side of said outer leg in the folded position of said outer leaf and to be swung to an unfolded position in which said second leg means depends from said outer leaf in the unfolded position of said outer leaf for supporting said inner and outer leaves on the floor in horizontal alignment.

3. In a folding wall table, an inner leaf having inner and outer edges, first hinge means on said inner leaf at its inner edge for securing said inner leaf to a wall to depend along the wall in the folded position of the inner leaf and enabling said inner leaf to be swung upwardly to extend horizontally from the wall in its unfolded position, outer leaf having an inner edge and an outer edge, second hinge means connecting said inner and outer leaves together with their outer and inner edges in juxtaposition and enabling said outer leaf to occupy a folded upwardly extending vertical position along the outer side of said inner leaf in the folded position of the inner leaf and to be swung downwardly and outwardly away from said inner leaf as said inner leaf is swung up to unfolded position so as to put said outer leaf in horizontal alignment with said inner leaf in the unfolded position of the inner leaf, inner leg means hinged on said outer leaf adjacent to its inner edge to occupy a folded upwardly extending position along the outer side of said outer leaf and to be swung outwardly and downwardly therefrom to an unfolded position in which said first leg means depends from said outer leaf to engage the floor in the unfolded position of said outer leaf, and outer leg means hinged on said outer leaf adjacent to its outer edge to occupy a depending position along the outer side of said outer leg in the folded position of said outer leaf and to be swung to an unfolded position in which said second leg means depends from said outer leaf in the unfolded position of said outer leaf for supporting said inner and outer leaves on the flood in horizontal alignment, said second hinge means comprising brace means pivoted at one end to said outer leaf and at the other end to said outer leg means at a point spaced from the hinged end of said outer leg means whereby said outer leg means can swing relative to said outer leaf and relative to said brace means, and latch means on said outer leaf with which the hinged end of said outer leg means is releasably engageable to maintain said outer leg means in its unfolded floor engaging position.

4. In a folding wall table, an inner leaf having inner and outer edges, first hinge means on said inner leaf at its edge for securing said inner leaf to a wall to depend along the wall in the folded position of the inner leaf and enabling said inner leaf to be swung upwardly to extend horizontally

from the wall in its unfolded position, outer leaf having an inner edge and an outer edge, second hinge means connecting said inner and outer leaves together with their outer and inner edges in juxtaposition and enabling said outer leaf to occupy a folded upwardly extending vertical position along the outer side of said inner leaf in the folded position of the inner leaf and to be swung downwardly and outwardly away from said inner leaf as said inner leaf is swung up to unfolded position so as to put said outer leaf in horizontal alignment with said inner leaf in the unfolded position of the inner leaf, inner leg means hinged on said outer leaf adjacent to its inner edge to occupy a folded upwardly extending position along the outer side of said outer leaf and to be swung outwardly and downwardly therefrom to an unfolded position in which said first leg means depends from said outer leaf to engage the floor in the unfolded position of said outer leaf, and outer leg means hinged on said outer leaf adjacent to its outer edge to occupy a depending position along the outer side of said outer leg in the folded position of said outer leaf and to be swung to an unfolded position in which said second leg means depends from said outer leaf in the unfolded position of said outer leaf for supporting said inner and outer leaves on the floor in horizontal alignment, said second hinge means comprising brace means pivoted at one end to said outer leaf and at the other end to said outer leg

means at a point spaced from the hinged end of said outer leg means whereby said outer leg means can swing relative to said outer leaf and relative to said brace means, and latch means on said outer leaf with which the hinged end of said outer leg means is releasably engageable to maintain said outer leg means in its unfolded floor engaging position, said brace means being arranged to extend diagonally between said outer leaf and said outer leg means while said outer leg means is engaged with said latch means whereby said outer leg means is braced in its unfolded floor engaging position.

HAYES W. TERRELL.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
907,423	Tilley	Dec. 22, 1908
915,061	Arnt	Mar. 16, 1909
1,287,894	Cox	Dec. 17, 1918
1,503,689	Kroschel	Aug. 5, 1924
1,724,457	Cummings	Aug. 13, 1929
1,732,481	Miller et al.	Oct. 22, 1929
1,875,892	Schimmel	Sept. 6, 1932
1,985,189	Moore	Dec. 18, 1934
2,177,169	Brown	Oct. 24, 1939
2,178,248	Bristow	Oct. 31, 1939