

Oct. 30, 1923.

1,472,575

E. V. ANDERSON

FOLDING TABLE

Filed Sept. 12, 1919

2 Sheets-Sheet 1

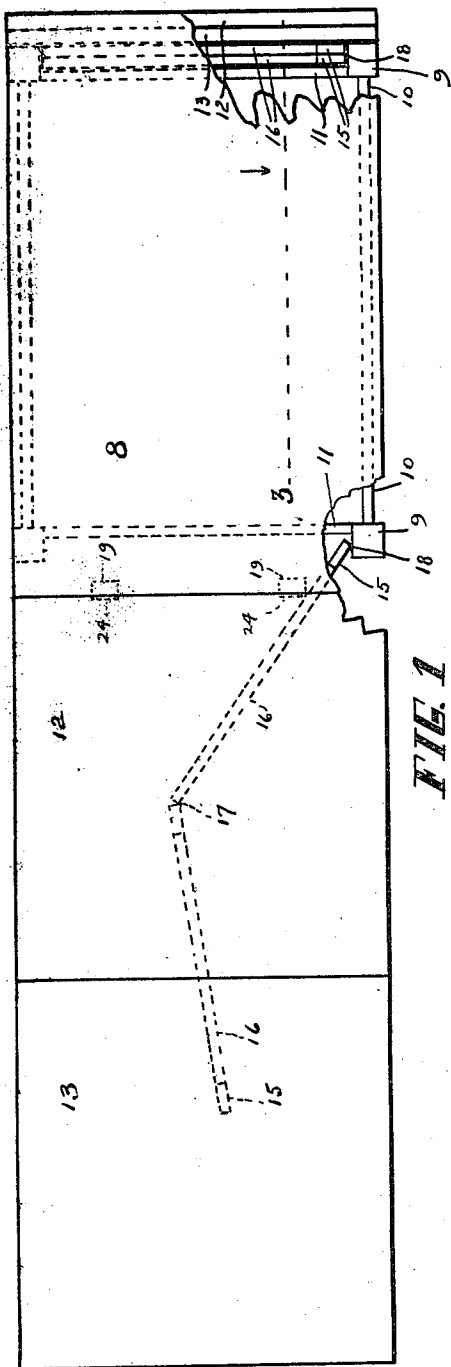


FIG. 1

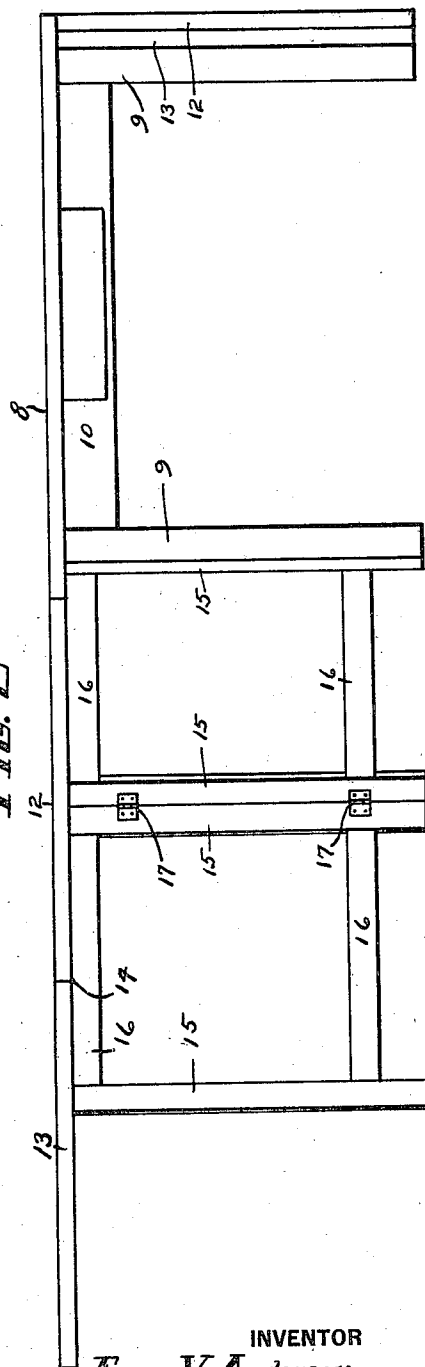


FIG. 2

INVENTOR

Emma V. Anderson,

BY

Milton S. Caudall,
ATTORNEY

Oct. 30, 1923.

1,472,575

E. V. ANDERSON

FOLDING TABLE

Filed Sept. 12, 1919

2 Sheets-Sheet 2

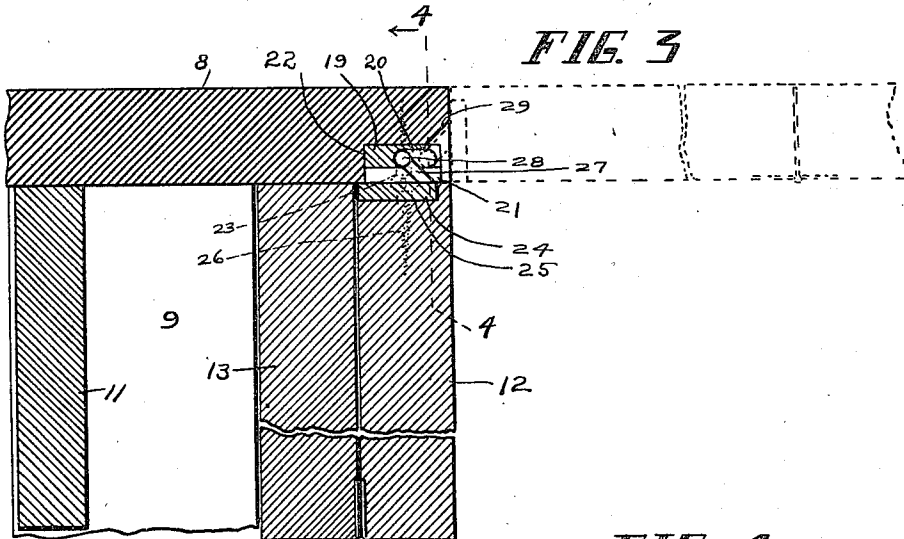


FIG. 3

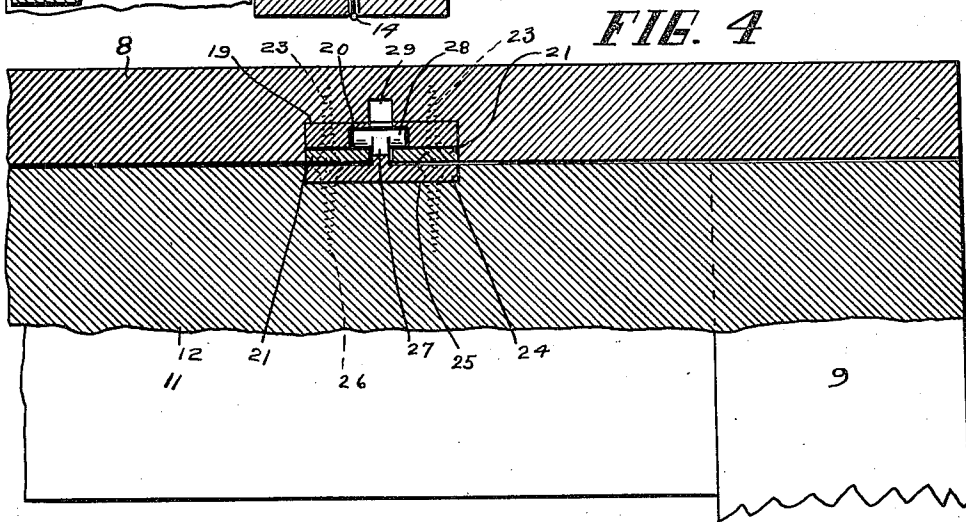


FIG. 4

FIG. 5

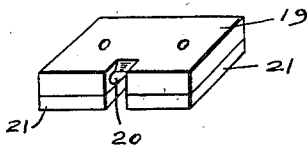


FIG. 7

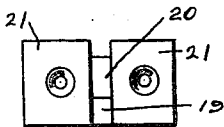
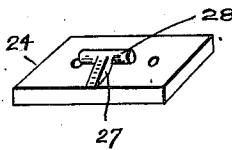


FIG. 6

INVENTOR

Emma V. Anderson,

BY

Milton S. Caudall,

ATTORNEY

UNITED STATES PATENT OFFICE.

EMMA V. ANDERSON, OF SIOUX CITY, IOWA.

FOLDING TABLE.

Application filed September 12, 1919. Serial No. 323,342.

To all whom it may concern:

Be it known that I, EMMA V. ANDERSON, a citizen of the United States, and a resident of Sioux City, in the county of Woodbury and State of Iowa, have invented certain new and useful Improvements in Folding Tables, of which the following is a specification.

The invention has for its primary object, the production of an extensible table which normally has the appearance of a library table and the top of which may be extended.

Another object of the invention is the production of a table having a folding extension top which normally form solid walls at the sides of the table.

Furthermore the invention contemplates a table embodying legs supporting a top having folding side extensions, which when extended are supported by frames so pivoted to and between the legs as to be normally concealed from view.

Still another object of the invention is the production in a table of folding extension leaves so hinged at the sides of the table that when extended the surface of the leaves are flush with the table top and when folded their surfaces are flush with the edge of the top.

My invention consists in the construction, combination and novel arrangement of parts hereinafter specifically pointed out in the claims and illustrated in the accompanying drawings in which like characters of reference indicate corresponding parts throughout the several views, of which,—

Fig. 1 is a plan of the table constructed in accordance with the invention, parts being cut away;

Fig. 2 is a front elevation thereof;

Fig. 3 is an enlarged fragmentary longitudinal section of one side of the table taken approximately on the line 3 of Fig. 1;

Fig. 4 is a transverse section taken on the line 4—4 of Fig. 3;

Fig. 5 is a perspective view of one of the hinge members;

Fig. 6 is an inverted plan thereof; and

Fig. 7 is a perspective view of the companion hinge member.

Although I have illustrated and hereinafter described the preferred embodiment of the invention, I would not be understood as being limited to the specific structure chosen for illustration, for various altera-

tions and modifications may be made in the details of construction and arrangement of parts, without departing from the spirit and scope of the invention, as defined in the appended claims.

Referring, now, to the illustrations, the table consists, essentially of a rectangular top, 8 supported by corner legs, 9, interconnected by longitudinal rails, 10, and side rails, 11. At each side of the table are extension leaves consisting preferably of two leaves, 12 and 13, hinged together as at 14, the width of said leaves being substantially the same as the height of the bottom of the table top from the floor. The free side of the leaf, 12, is so hinged to the adjacent edge of the table top and the said table top edge is so extended from the legs, 9, that when the leaves, 12 and 13, are folded together and swung downwardly from the table top that the surface of the leaf, 13, will rest against the adjacent legs while the surface of the leaf, 12, is flush with the side edge of the table as will be clearly seen at the right of Fig. 2. When extended, the leaves are supported by two frames, each consisting preferably of a pair of flat legs, 15, interconnected by upper and lower rails, 16, the frames being hinged together as at 17, and the free edge of one of the frames being hinged as at 18, to the inner side of one of the table legs, the width of the frames and the mounting of their hinges being such that when folded as shown at the right in Figs. 1 and 2, the frames are disposed between the table legs and do not extend outside of the plane of the sides of the legs.

In order that the surfaces of the leaves, 12, may be normally flush with the side edges of the table top and yet permit the said surfaces to be flush with the table top surface, when extended, the hinge members interconnecting the leaves and table top, are imbedded in the adjacent parts, each hinge consisting preferably of a block, 19, having in its underside a groove, 20, and on the underside of the said block are plates, 21, the said block and plates being imbedded in a mortise, 22, in the table top, 8, and so positioned therein that the faces of the plates are flush with the underside of the table top, the said plates and block being secured together and to the table top as by wood screws, 23, or otherwise. The companion hinge member consists of a plate, 24, embedded in a mortise, 25, in the adjacent edge of the leaf, 12,

and flush with the edge thereof, said plate being secured to the leaf as by wood screws, 26, or otherwise. The said plate is formed with a T-bolt, 27, the shank of which slides freely between the plates, 21, of the companion hinge member and the cross-member, 28, is disposed transversely of the groove, 20, and engages the upper sides of the plates, 21. The T-bolts are inclined inwardly at an angle of forty-five degrees whereby the parts are positioned normally as shown on Sheet 2 of the drawings. To extend the leaves it is only necessary to draw them outwardly from the table top and then swing them upwardly to the position indicated in dotted lines in Fig. 3, the edge of the table top being provided with a notch, 29, to permit movement of the T-bolt. When the leaves are extended the folding frames are extended as shown in Figs. 1 and 2, to support the leaves.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is,—

1. A table including a top, legs at opposite corners, and a distance from the side edge thereof, and an extension hinged to the side edge of the top to swing upwardly to the same plane as the top, and down-

wardly to a vertical position with its upper face flush with the side edge of the top. 30

2. A table including a top, supporting means adjacent the sides thereof, and a side extension for the top consisting of a leaf hinged to the side edge of the top to swing upwardly, to the same plane as the top and downwardly to a vertical position against the bottom of the top and with its upper face flush with the side edge of the top. 35

3. A table including a top, supporting means adjacent the sides thereof, and a side extension for the top consisting of a leaf hinged to the side edge of the top to swing upwardly, to the same plane as the top and downwardly to a vertical position against the bottom of the top and with its upper face flush with the side edge of the top, and a second leaf hinged to the free edge of said first leaf to swing upwardly to the same plane as the top and downwardly to a vertical position against the bottom of the top and between the under side of said first leaf and the adjacent supporting means. 40 45 50

In testimony whereof I have hereunto set my hand this 8th day of September, 1919.

EMMA V. ANDERSON.