

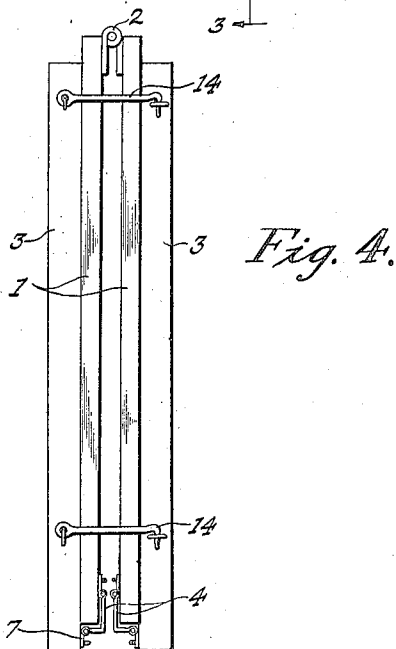
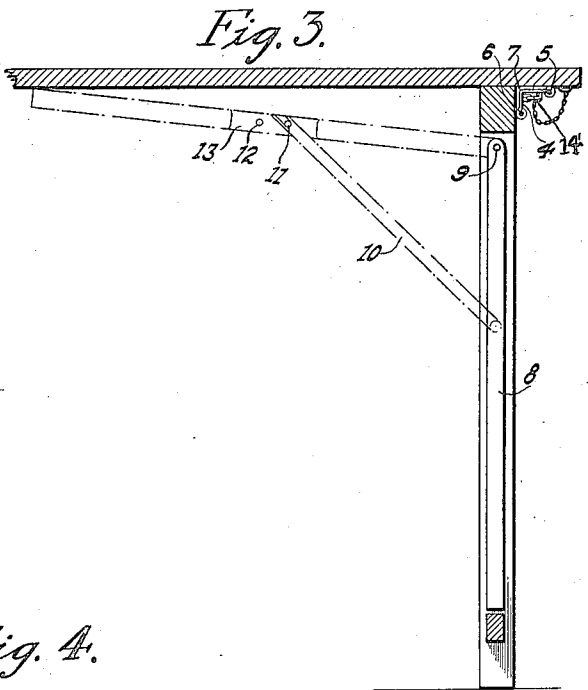
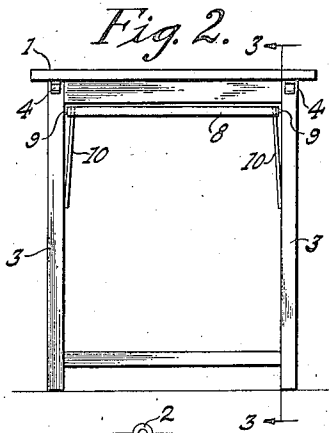
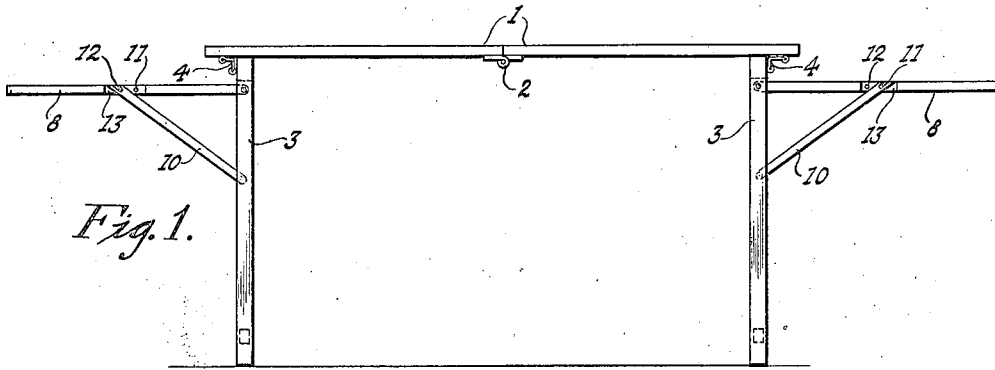
May 29, 1923.

1,456,573

E. O. ROBERTS ET AL

FOLDING PORTABLE TABLE

Filed June 27, 1922



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FOLDING PORTABLE TABLE.

Application filed June 27, 1922. Serial No. 571,147.

To all whom it may concern:

Be it known that we, ELMER O. ROBERTS and RAYMOND F. DOTSCH, citizens of the United States of America, residing at Olympia, in the county of Thurston and State of Washington, have invented certain new and useful Improvements in Folding Portable Tables; and we do hereby declare that the following is a full, clear, concise, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in folding portable tables, having for an object to provide a folding table especially advantageous for use by motorists, picnickers, or the like, the same being capable of being folded into compact and convenient form when not in use and likewise, capable of being adjusted to several different sizes when in its "set up" position.

It is also an object of the invention to provide a foldable portable table employing novelly arranged leaves, which when not in use, may be swung downwardly into substantial parallelism with the table legs giving a panel-like effect to the same or may be swung inwardly from the legs to approximately horizontal positions whereat they will not interfere in any way with the seating of persons about the table when the latter is used without the leaf extensions.

Other objects will be in part obvious and in part pointed out hereinafter.

In order that the invention and its mode of operation may be readily understood by persons skilled in the art, we have in the accompanying illustrative drawings and in the detailed following description based thereon, set out one possible embodiment of the same;

In these drawings:

Figure 1 is a side elevation of the improved device;

Figure 2 is an end elevation of the same;

Figure 3 is a fragmentary detail in vertical longitudinal section taken on the line 3-3 of Figure 2 looking in the direction in which the arrows point, the view being enlarged; and,

Figure 4 is an elevation of the table when in its folded position.

Having more particular reference to the drawings, in connection with which like characters of reference will designate corresponding parts throughout, the table may

be stated to comprise a pair of top sections 1 hingedly connected at their adjacent ends as indicated at 2 and having oppositely disposed pairs of legs 3 arranged to swing to positions adjacent the under sides of their opposite end portions when the table is in "set up" position. The hinging of these oppositely disposed pairs of legs 3 is effected by means of substantially right angularly formed strap metal hinges indicated by the numeral 4, said hinges being pivoted as at 5 to the under sides of the outer portions of the top sections 1 as clearly shown in the Figure 3, while the opposite ends of said hinges are pivoted as at 6 to leaf portions 7, which, in turn are affixed to the adjacent sides of the upper ends of said pairs of legs 3. Because of the right angular formation of the metal strap hinges 4, it will be understood that the table legs may be swung upwardly over the upper sides of the top sections 1 in the manner as indicated in the Figure 4, whereby the table may be folded into compact and convenient form during its non-usage. However, when the table is to be used, it is only necessary to swing the legs outwardly and downwardly until the squared shoulders of the upper ends thereof abut against the adjacent flat portions of the under sides of said sections 1 in the manner shown in Figure 3. When in this form, the legs will be effectually braced with relation to the table top sections and in consequence, will provide an efficient form of support.

In order that the size of the table may be increased, we provide leaf extensions, indicated by the numeral 8, said extensions being of a size such as to permit of their snug reception between the opposite legs of the several pairs, whereupon said leaves are pivoted to the upper portions of the spaced legs as indicated at 9. Because of this connection of the leaves 8 with the oppositely disposed pairs of table legs, it will be understood that the same when not in use will be permitted to swing to substantially vertical positions whereat they will be in substantial parallelism with the table legs, thus giving a panel-like effect to the same by reason of the reception of the leaves therebetween.

Braces or arms 10 are pivoted to the inner sides of the intermediate portions of the various legs 3 and have their outer ends bifurcated as indicated at 11, whereby they

may be removably engaged with studs 12 carried upon plates 13 secured to the intermediate portions of the opposite sides of said extensions 8 in the manner shown in the Figure 3.

If desired, suitable eyelets may be engaged with portions of the upper ends of the oppositely disposed pairs of legs 3 and the adjacent portions of the under sides of the table top sections 1, the eyelets being arranged so as to pass through openings formed in the strap metal angular hinges 4, whereupon locking pins such as indicated by the numeral 14 in the Figure 3 are passed through the extended portion of said eyelets and engage with the adjacent portions of the metal strap hinges whereby to prevent accidental or undue displacement of the same from said eyelets and in consequence, to ensure retaining said pairs of legs in their vertical or "set up" positions.

In using the improved folding portable table, the sections 1 are swung into horizontal alignment as shown in the Figure 1, whereupon the several pairs of legs are swung outwardly and downwardly until the squared shoulder portions thereof abut against the adjacent portions of the opposite sides of said leaves, this being shown in the Figure 3. At this time, should it be desired to employ the leaf extensions 8, the same are swung upwardly on their respective pivot points 9 and the oppositely disposed braces or supporting arms 10 are then swung upwardly so that the bifurcated ends 11 will engage or receive the corresponding stud 12 on the several plates 13 arranged on opposite ends of the leaves. With the arm 10 so engaged with the stud 12, it will be understood that said leaf extensions 8 will be supported in substantially horizontal positions and likewise, that the size of the table will be materially increased. When it is desired not to use the leaf extensions 8, the arm 10 have their bifurcated free ends disengaged from the adjacent studs 12, thus permitting said extensions to swing downwardly to substantially vertical positions as shown in the Figure 3, whereat the leaves will be in substantial parallelism to their respective oppositely disposed legs 3, thus giving the legs a panel-like effect by reason of the reception of said leaves there-

between. Should it be desired to swing the leaf extensions to inoperative positions so as to facilitate the seating of persons about the table, the leaves may be swung inwardly and upwardly to the positions shown in dotted dash lines in the Figure 3, whereupon their respective supporting arms 10 will be swung upwardly so as to engage the bifurcated end portions 11 with the nearest or adjacent studs 12 on the several plates 13. By this engagement of the arms 10 with the studs 12, the leaves 8 will be supported in their innermost positions and will not interfere in any way whatsoever with the seating of persons about the table.

If desired, hook and eyes generally indicated by the numeral 14 may be secured to certain of the marginal portions of the table top sections 1 in order that said sections may be interlocked when the table is in its folded or collapsed position, such arrangement being clearly shown in the Figure 4.

Manifestly, the construction shown is capable of considerable modification and such modification as is within the scope of our claims, we consider within the spirit of our invention.

We claim:

A folding portable table comprising hingedly connected top sections, oppositely disposed pairs of legs hinged to the end portions of the same, leaf extensions of sizes approximately corresponding to the space between the opposite legs of the several pairs, said leaf extensions being hinged adjacent certain of their ends to and between the upper portions of said legs and snugly receivable therebetween in substantial parallel relation thereto at times, and adapted to be swung inwardly at substantially right angles to such legs at other times, arms pivoted to the inner sides of the intermediate portions of said legs having their free ends bifurcated, and plates having longitudinally spaced studs thereon secured to the opposite end portions of said leaves, receivable in said bifurcated ends of the arms, as and for the purpose set forth.

In witness whereof we have hereunto set our hands.

ELMER O. ROBERTS.
RAYMOND F. DOTSCH.