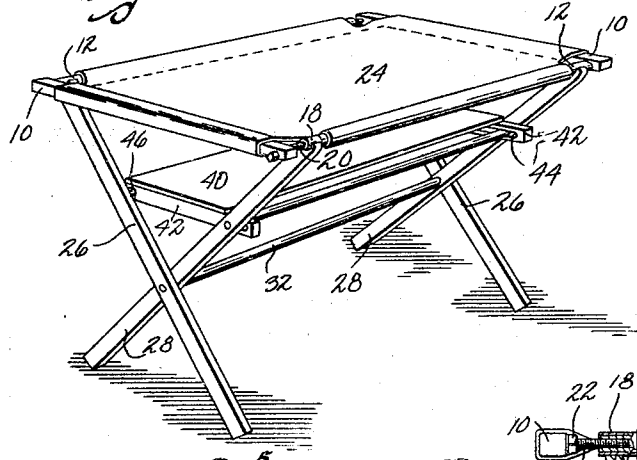
Nov. 24, 1931. A. H. RICE 1,833,177

ADJUSTABLE NURSERY AND CAMP TABLE

Filed July 15, 1929

Fig. 1.



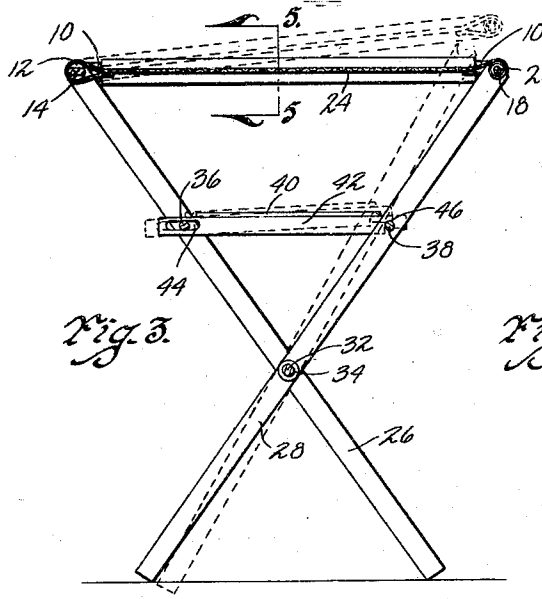
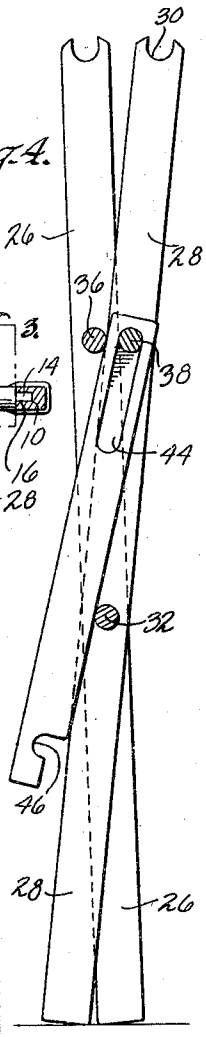


Fig. 3.

Fig. 4.



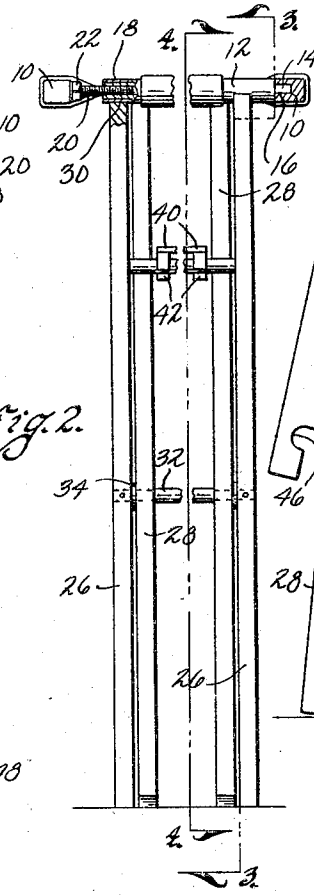
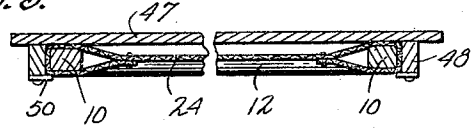


Fig. 2.

Fig. 5.



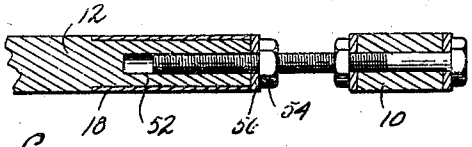


Fig. 6.

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UNITED STATES PATENT OFFICE

ALBERT H. RICE, OF DES MOINES, IOWA, ASSIGNOR OF FORTY-NINE PER CENT TO LEON J. BAKER, OF DES MOINES, IOWA

ADJUSTABLE NURSERY AND CAMP TABLE

Application filed July 15, 1929. Serial No. 378,415.

The object of my invention is to provide an adjustable nursery and camp table of simple, durable and comparatively inexpensive construction.

More particularly it is my object to provide a table having a canvas top, the top being removable from a supporting frame consisting of legs which support the top and the supporting frame being foldable whereby the device may be compactly folded into a small space when not in use.

Still a further object is to provide a table construction having supporting legs and a top formed of canvas whereby the table may be used in the nursery, especially for changing the diapers of children and to further provide a shelf underneath the canvas top on which various articles needed may be placed.

Still a further object is to so construct the device that it may be set up in a bath tub where other room is not available for it.

Another object is to provide a solid top made of boards or the like which may be used for forming a more substantial table for camping purposes and the like.

A further object is to provide for the canvas top a frame of special construction which may be expanded for stretching the canvas and also for causing engagement of the top frame with the solid top when used for camping purposes.

With these and other objects in view my invention consists in the construction, arrangement and combination of the various parts of my device, whereby the objects contemplated are accomplished, as hereinafter more fully set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of my adjustable nursery and camp table.

Figure 2 is a side elevation of the same, the central portion being broken away to conserve space on the drawings.

Figure 3 is an end elevation showing a dotted line position of the parts of the table when placing the top on the supporting frame.

Figure 4 is a central sectional view taken on the line 4—4 of Figure 2 showing the top of the table removed and the supporting frame in folded or collapsed position.

Figure 5 is a sectional view on the line 5—5 of Figure 3 showing a solid top applied to the table; and

Figure 6 is an enlarged sectional view through a modified form of expanding device for the top frame.

On the accompanying drawings I have used the reference character A to indicate generally the top of my table. The top A consists of end members 10 and side members 12.

Each side member 12 has one end shouldered and cut to the shape shown in Figures 2 and 3 of the drawings, whereby an angular shaped reduced end 14 is provided. The end 14 fits in a similar shaped socket 16 in the end member 10 to prevent turning of the side member 12. The reduced portion 14 leaves shoulders which aid substantially in maintaining the table top A in a squared up condition.

The opposite end of the side member 12 is provided with a ferrule 18 and an adjusting bolt 20 is screw threaded into this end. A nut 22 is provided on the bolt 20 against which the other end member bears. It will be obvious that turning the head of the bolt 20 may be done for the purpose of forcing the end member 10 in which the bolt 20 is mounted away from the opposite end member. Two of the bolts 20 are provided at opposite corners of the table top A, whereby both end members 10 may be moved away from each other in such a way as to remain parallel with each other.

A canvas top 24 is applied to the top frame consisting of the end members 10 and the side members 12 and its edges are looped around these members and sewed together as clearly shown in Figures 3 and 5. I have found that moving the end members 10 away from each other sufficiently stretches the canvas 24 for all practical purposes without the necessity of moving the side members 12 away from each other also. The nuts 22 after the frame has been extended for stretching the canvas 24 may be tightened to serve as lock nuts.

The supporting frame for the top A consists of leg members 26 and 28. The upper ends of the leg members are provided with notches 30 adapted to receive the ends of the side members 12 as clearly shown in Figures 1 and 3 and cut out portions are provided at each corner of the canvas covering 24 for this purpose. A tie rod 32 extends from one pair of the legs to the other and has its ends fastened in the legs 26. The legs 28 are pivotally mounted on the tie rod 32. Washers 34 are provided between the legs 26 and 28 and on the tie rod 32 to prevent rubbing of the legs together when folded, which would mar the enamel with which they would likely be painted in actual manufacture.

The legs 26 are provided with a tie rod 36 and the legs 28 are provided with a tie rod 38. The tie rods 36 and 38 are spaced above the tie rod 32. A shelf 40 is supported on the tie rods 36 and 38 by means of end members 42. The end members 42 are provided with elongated slots 44 coacting with the tie rods 36 and with notches 46 removably coacting with the tie rods 38.

Since the side members 12 of the top A merely rest in the notches 30 when the table is not in use it will be obvious that the top may be easily removed after which the supporting frame for the table may be folded as clearly shown in Figure 4. The slots 44 in the end members 42 of the shelf 40 are provided so that the upper ends of the legs 26 and 28 may be drawn slightly together as shown in dotted lines in Figure 3 so that one side of the table top A may be swung upwardly for removal from the supporting frame.

The elongated slots 44 I find are quite essential for making the table rigid. When the side members 12 coact with the notches 30 and a weight is imposed on the table top A there is a tendency for the upper ends of the table legs to spread for causing firm seating of the members 12 in the notches 30.

When the table top A is not in use for the purposes intended it may be removed and the shelf 40 used for any purpose desired, as for instance for supporting sewing baskets, etc., in a sewing room.

I find that when the top A is removed, the supporting frame and shelf 40 is very handy for supporting a small bath tub for a baby. The supporting frame is purposely made small enough at the lower end to fit in an ordinary bath tub so that drippings from the small tub can fall into the large one. The tie rods 36 and 38 are very useful for supporting towels, clothes, diapers, etc., which may be hung over the tie rods. Such articles are then in a handy position for use when needed. The tie rods may also support articles to be dried.

The canvas top 24 forms a desirable place to lay a baby since it sinks slightly with his weight and he is not likely to roll off. The canvas is soft and the baby does not hurt his head if he raises it and lets it fall. Thus the canvas top 24 is much more desirable than an ordinary table top. The canvas 24 is easily removable after removing the bolts 20 and disassembling the top frame. The canvas may then be easily washed.

As shown in Figure 5 I preferably provide a solid top 46 which may be made of boards and which is adapted to be used in connection if desired. End cleats 48 are adapted to engage the ends of the table top A and small clips 50 are provided for preventing upward movement of the solid top 46 from the supporting frame members 10 and 12. In applying the solid top 46 to the table the bolts 20 are first loosened for contracting the table top after which they may be tightened for expanding it for causing it to tightly engage the cleats 48 as shown in Figure 5.

In Figure 6 I have shown a modified form of construction in which a non threaded opening 52 is provided in the side member 12 and a nut 54 is utilized to bear against a washer 56 placed across the end of the side member 12 for forcing the end member 10 to the expanded position. This obviates the necessity of having to tap an opening in the end of the side member 12.

Some changes may be made in the construction and arrangement of the parts of my device without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims, any modified forms of structure or use of mechanical equivalents, which may be reasonably included within their scope.

I claim as my invention:

1. In an adjustable nursery and camp table, a foldable supporting frame, a removable top frame associated therewith, a canvas covering for said top frame, said top frame comprising a pair of end members and a pair of side members, each side member having one end non rotatably associated with an end member and a bolt in its other end, said bolt being associated with the other end member for moving the same away from the first mentioned end member.

2. In an adjustable nursery and camp table, a foldable supporting frame, a removable top frame associated therewith, a canvas covering for said top frame, said top frame comprising a pair of end members and a pair of side members, each side member having one end non-rotatably associated with an end member and a bolt in its other end, said bolt extending through the other end member and a nut on said bolt between such end member and the end of the side member and engaging the end member.

3. In an adjustable nursery and camp table, a foldable supporting frame, a removable top frame associated therewith, a canvas covering for said top frame, said top frame

comprising a pair of end members and a pair of side members, each side member having one end non-rotatably associated with an end member and a bolt in its other end, said bolt extending through the other end member and nuts on said bolt between and engaging such end member and the side member.

4. In an adjustable nursery and camp table, a foldable supporting frame, a removable top frame associated therewith, a canvas covering for said top frame, said top frame comprising a pair of end members and a pair of extensible side members, each side member having an angular shaped reduced end, one end member having a socket to receive the same, the shoulder formed by reducing said end engaging the end member and a bolt in the other end of the side member, said bolt being associated with the other end member for moving the same away from the first mentioned end member.

5. In a device of the class described, an extensible rectangular frame comprising two pairs of members at right angles to each other and a connecting means adjacent each corner of the frame, two of said connecting means comprising bolts in the ends of two of the members and associated with the other two members for moving the same away from the two first mentioned members and a fabric covering for said frame.

Des Moines, Iowa, June 29, 1929.

ALBERT H. RICE.