July 26, 1966 M. M. KUKS 3,262,734

TABLE AND SEAT COMBINATION

Filed April 30, 1965 2 Sheets-Sheet 1

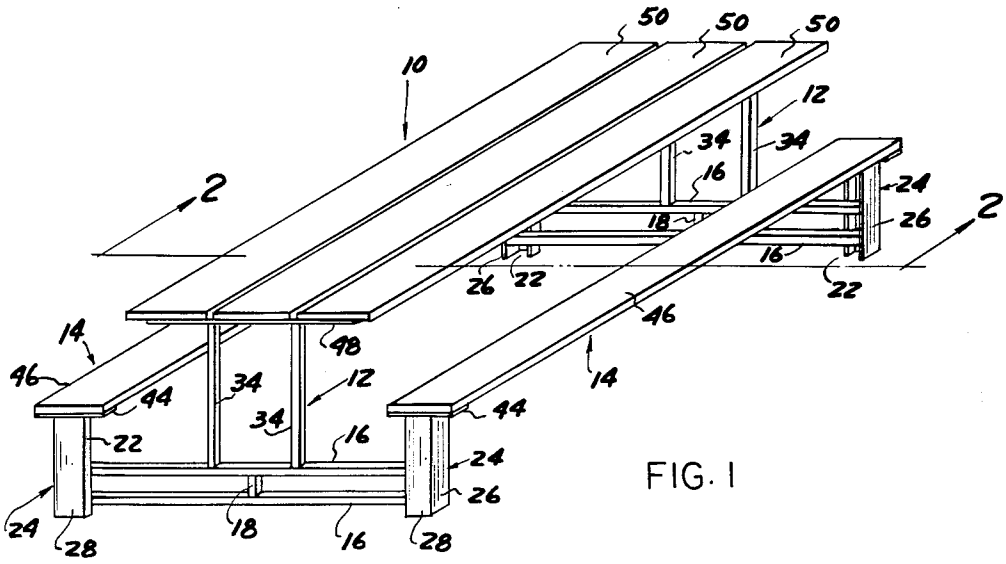


FIG. 1

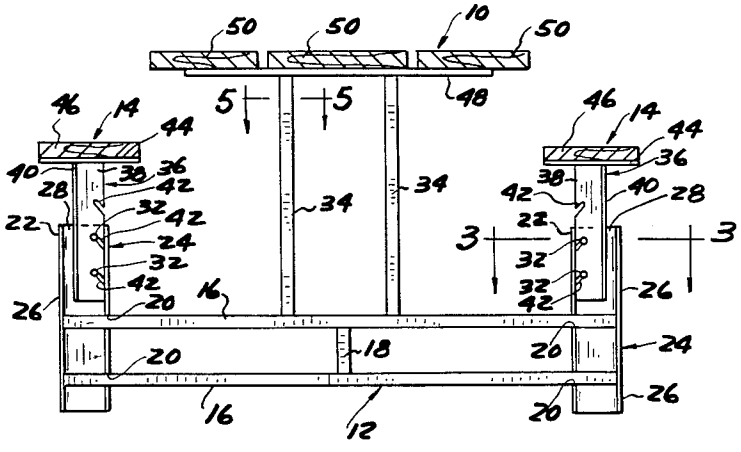


FIG. 2

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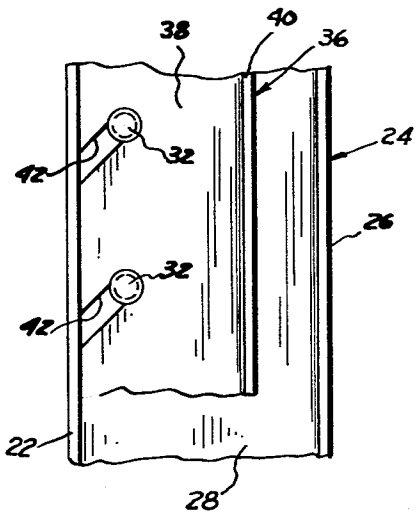


FIG. 4

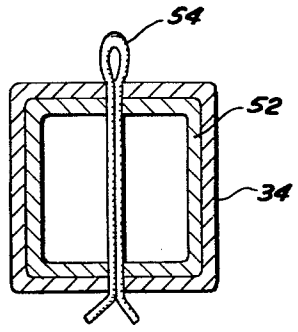


FIG. 5

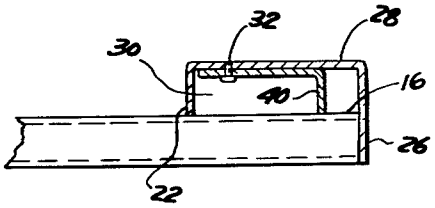


FIG. 3

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TABLE AND SEAT COMBINATION

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8 Claims. (Cl. 297—157)

The present invention relates to these tables in which the seats are formed as a part of the construction and more particularly to an improved construction for such tables and seat combinations providing ready assembly and disassembly and including means for adjusting the position of the seat relative to the table.

Table and seat combinations in which seats are arranged on opposite sides of the table and which are formed as a single connected assembly are commonly used for picnic tables and the like as well as in schools and other institutional cafeterias. Heretofore, no means have been provided for adjusting the position of the seats relative to the table in such assemblies so that heretofore known combination table and seat assemblies could only be constructed to comfortably accommodate persons within a rather limited height range and would not accommodate full grown adults and small children at the same table.

Further, such combinations are difficult to store in the assembled form and heretofore disassembly and assembly has been a difficult and time consuming process.

The present invention provides a table and seat combination in which the seats are arranged on opposite sides of the table and are connected to the table to form a unitary structure. Means are provided for individually adjusting the position of each seat from a lowermost position to several upper and inwardly disposed positions. In this way the seats on either side of the table can be adjusted to comfortably support adults and small children at the same table. Further, the construction of the present invention permits ready disassembly for storage.

It is an object then of the present invention to improve table and seat combinations by providing means for adjusting the position of the seat relative to the table of such combinations.

It is another object of the present invention to increase the use of those types of table and seat combinations in which the table and seats form a unitary assembly by providing means for adjusting the seats from a lowermost position to several upper and inwardly disposed positions.

It is still another object of the present invention to improve such table and seat combinations by providing a new construction which permits ready assembly and disassembly.

Still further objects and advantages of the present invention will readily occur to one skilled in the art to which the invention pertains upon reference to the following drawings in which like reference characters refer to like parts throughout the several views and in which,

FIG. 1 is a perspective end view of a preferred embodiment of the present invention illustrating the seats in a lowermost position.

FIG. 2 is a lateral cross-sectional view of the embodiment illustrated in FIG. 1 enlarged somewhat for purposes of clarity and illustrating one of the seats in an upper adjusted position.

FIG. 3 is a cross-sectional view taken substantially on line 3—3 of FIG. 2 and enlarged somewhat for purposes of clarity.

FIG. 4 is an enlarged detail fragmentary view of the structure illustrated in FIG. 2, and

FIG. 5 is an enlarged cross-sectional view taken substantially on line 5—5 of FIG. 2.

Now referring to the drawings of the present invention is illustrated as being embodied in a picnic table or the

like and preferably comprises a substantially rectangular table top member **10**, a pair of spaced support members **12** and a seat member **14** positioned on each side of the table top member **10**.

The support members **12** each preferably comprises a pair of spaced horizontally extending framing members **16** and a medial vertically extending cross piece **18** secured at opposite ends to the framing members **16**. As can best be seen in FIG. 2 the ends of the framing members **16** extend adjacent the edge **20** of the smaller side **22** of the channel members **24** and are secured thereto and to the inner surface of the opposite larger side **26** as by welding. The channel members **24** are provided and are supported at opposite ends of the framing members **16** in a substantially vertical position and extend somewhat below the lowermost framing members **16** to form the legs for the table and seat combination. The channel members **24** are provided with a side portion **28** joining the sides **22** and **26** and the framing members **16** are spaced somewhat from the side portion **28** as shown in FIG. 3 to define a slot **30**. A plurality of vertically spaced rivets **32** or the like are mounted in the side portions **28** and extend into the interior of the channel members **24** adjacent the sides **22**.

The support members **12** further preferably comprise a pair of horizontally spaced substantially vertically extending tubular members **34** each having one end secured as by welding to the uppermost framing member **16**.

The seat members **14** each preferably comprises an angle member **36** adapted to be slidably received in the slot **30**. The angle member **36** comprises substantially normal side portions **38** and **40**. The side portion **38** is of a lateral dimension less than the lateral dimension of the side portion **28** and is dimensioned to permit passage of the angle member **36** in the slot **30** between the rivets **32** and the side **26** of the channel member **24**. As can best be seen in FIG. 4, the free forward edge of the side portion **38** is provided with a plurality of angularly upwardly extending slots **42** vertically spaced to coincide with the spacing of the rivets **32**. A mounting plate **44** is carried in a horizontal position at the upper edge of the side portions **38** and **40**. A substantially rectangular seat portion **46** is secured adjacent opposite ends to a pair of the mounting plates **44** so that upon insertion of the angle members **36** into the slots **30** a pair of seat members **14** are supported by the support members **24** one on each side of the vertically extending tubular members **34**.

The top member **10** preferably comprises a pair of channel members **48** and a plurality of board members **50** or the like secured in a side by side relationship by fastening means (not shown) extending through the channel members **48**. As can best be seen in FIG. 5, each of the channel members **48** is provided with a pair of spaced vertically downwardly extending tubular members **52** adapted to be received by the tubular members **34** of the support members **12**.

The tubular members **34** are preferably bowed outwardly slightly so that they have to be forced inwardly toward each other to receive the tubular members **52**. This provides a rigid supporting engagement between the support members **12** and the table top member **10**. To even more securely lock the table top member **10** to the support member **12** cotter pins **54** may be provided to extend through the tubular members **34** and **52**.

The seat members **14** are each adjustably supported by the channel members **24** of the support members **12**. When the side portions **40** of the angle members **36** are positioned adjacent the sides **26** of the channel members **24** the free edges of the side portions **38** will be spaced sufficiently from the rivets **32** to permit the angle mem-

bers **36** to slide downwardly in the slots **30** formed by the framing members **16** until the mounting plates **44** are engaged and supported by the upper edge of the channel members **24**. This is the lowermost position of the seat members **14** and is illustrated in FIG. 1. To adjust the seat members **14** upwardly the angle members **36** are moved upwardly in the channel members **24** until the several of the slots **42** coincide with the rivets **32**. The angle members **36** are then moved inwardly onto the rivets **32**. The number of available upper adjusted positions of the seat members **14** of course will depend upon the number of slots **42** provided on the angle members **36**. It is to be noted that the particular means provided for adjusting the position of the seat members **14** not only permits upward adjustment but at the same time moves the seat members **14** inwardly somewhat so that they can be positioned to accommodate even small children.

It is also apparent that the table and seat combination of the present invention permits ready disassembly for storage and assembly for use. The seat members **14** can be readily removed from the channel members **24**. Removal of the cotter pins **54** permits the table top member **10** to be lifted from the support members **12** and since the support members **12** are connected together only through the table top member **10** and the seat members **14** the table and seat combination will be disassembled upon removal of these members for storage. The combination then can be readily assembled in a like manner when it is time for using it again. The cotter pins **54** permit the assembled table and seat combination to be moved about by using the table top member **10** as a means of lifting the table.

It is also apparent that although I have described but one embodiment of my invention many changes and modifications can be made therein without departing from the spirit of the invention as expressed by the appended claims.

I claim:

1. A combination seat and table comprising
(a) a pair of spaced support members,
(b) a table top member and means removably securing said table top member to said support members,
(c) a pair of seat members and means removably securing said seat members to said support members one on each side of said table top member,
(d) said last mentioned means comprising means for adjusting the position of each of said seat members from a lowermost position with respect to said table top member to an uppermost position,
(e) said means removably securing said table top member to said support members comprising,
said support members each comprising a pair of horizontally spaced substantially vertically extending tubular members, and
said tubular members being secured to said table top member and being received by said support member tubular members, and
(f) each of said support member tubular members being bent outwardly with respect to the other of said support member tubular members.

2. A combination seat and table comprising
(a) a pair of spaced support members,
(b) a table top member and means removably securing said table top member to said support members,
(c) a pair of seat members and means removably securing said seat members to said support members one on each side of said table top member,
(d) said last mentioned means comprising means for adjusting the position of each of said seat members from a lowermost position with respect to said table top member to an uppermost position,
(e) said means removably securing said table top member to said support members comprising,

said support members each comprising a pair of horizontally spaced substantially vertically extending tubular members, and
said tubular members being secured to said table top member and being received by said support member tubular members, and
(f) means extending through each of said support member tubular members and the table top tubular member received thereby to lock said members together.

3. A combination seat and table comprising
(a) a pair of spaced support members each including a pair of spaced substantially vertically extending tubular members,
(b) a table top member including vertically downwardly extending tubular members adapted to be received by said supporting member tubular members,
(c) a pair of seat members and means removably securing said seat members to said support members one on each side of said table top member,
(d) said last mentioned means comprising
said support members each being provided with a channel member extending vertically with one of said channel members of each of said support members being disposed on each side of said table top member,
means defining a vertically extending slot in each of said channel members,
said seat members being provided with vertically extending members adapted to be received in said slots,
(e) said channel members each being provided with a plurality of vertically spaced projections extending into said slot,
(f) said vertically extending members of said seat members each being provided with a side portion having at one vertical edge a plurality of upwardly inclined slots spaced to coincide with said projections whereby said vertically extending members are adapted to be supported in one of several vertical positions on said projections,
(g) said side portions being dimensioned laterally to slide in said slot past said projections, and
(h) mounting plates carried on the upper edge of said vertically extending members and adapted to engage the upper edges of said channel members whereby said mounting plates are supported by said channel members at a lowermost position of said seat members.

4. A combination seat and table comprising
(a) a pair of spaced support members each including a pair of spaced substantially vertically extending tubular members,
(b) a table top member including vertically downwardly extending tubular members adapted to be received by said supporting member tubular members,
(c) a pair of seat members and means removably securing said seat members to said support members one on each side of said table top member,
(d) each of said support member tubular members being bent inwardly toward the other of the pair of said members.

5. A combination seat and table comprising
(a) a pair of spaced support members each including a pair of spaced substantially vertically extending tubular members,
(b) a table top member including vertically downwardly extending tubular members adapted to be received by said supporting member tubular members,
(c) a pair of seat members and means removably securing said seat members to said support members one on each side of said table top member,

(d) means for selectively locking said table top tubular members to said support member tubular members.

6. A combination seat and table comprising

(a) a pair of spaced support members,

(b) a table top member and means releasably securing said table top member to said support members,

(c) a pair of seat members and means releasably securing said seat members to said support members one on each side of said table top member,

(d) said last mentioned means comprising

said support members being provided with a pair of spaced vertically extending channel members on each side of said table top member,

means defining a vertical slot in each of said channel members,

said seat members each being provided with a pair of spaced vertically extending angle members adapted to be respectively received in said slots,

said channel members being provided with a plurality of vertically spaced projections extending into said slots, and

said angle members being provided with a plurality of upwardly inclined slots spaced to coincide with said projections.

7. A combination seat and table comprising

(a) a pair of spaced support members each including a pair of spaced substantially vertically extending tubular members,

(b) a table top member including vertically downwardly extending tubular members adapted to be received by said supporting member tubular members,

(c) a pair of seat members and means removably securing said seat members to said support members one on each side of said table top member,

(d) said last mentioned means comprising

said support members each being provided with a channel member extending vertically with one

of said channel members of each of said support members being disposed on each side of said table top member,

means defining a vertically extending slot in each of said channel members,

said seat members being provided with vertically extending members to be received in said slots and,

mounting plates carried on the upper edge of said vertically extending members and adapted to engage the upper edges of said channel members whereby said mounting plates are supported by said channel members at a lowermost position of said seat members.

8. The combination as defined in claim 7 and in which,

(a) said channel members are each provided with a plurality of vertically spaced projections extending into said slot, and

(b) said vertically extending members of said seat members each being provided with a side portion having at one vertical edge a plurality of upwardly inclined slots spaced to coincide with said projections whereby said vertically extending members are adapted to be supported in one of several vertical positions on said projections.

References Cited by the Examiner

UNITED STATES PATENTS

668,038	2/1901	Duhamel	248—423 X
2,507,634	5/1950	Hill	297—158 X
2,670,031	2/1954	Melges	297—157 X
2,746,525	5/1956	Cooper	297—157
2,800,379	7/1957	Smithers	297—157 X

FOREIGN PATENTS

683,719	3/1930	France.
1,130,968	10/1956	France.

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