July 26, 1955 M. M. WHITE 2,713,889

COMBINED TABLE AND CHAIR

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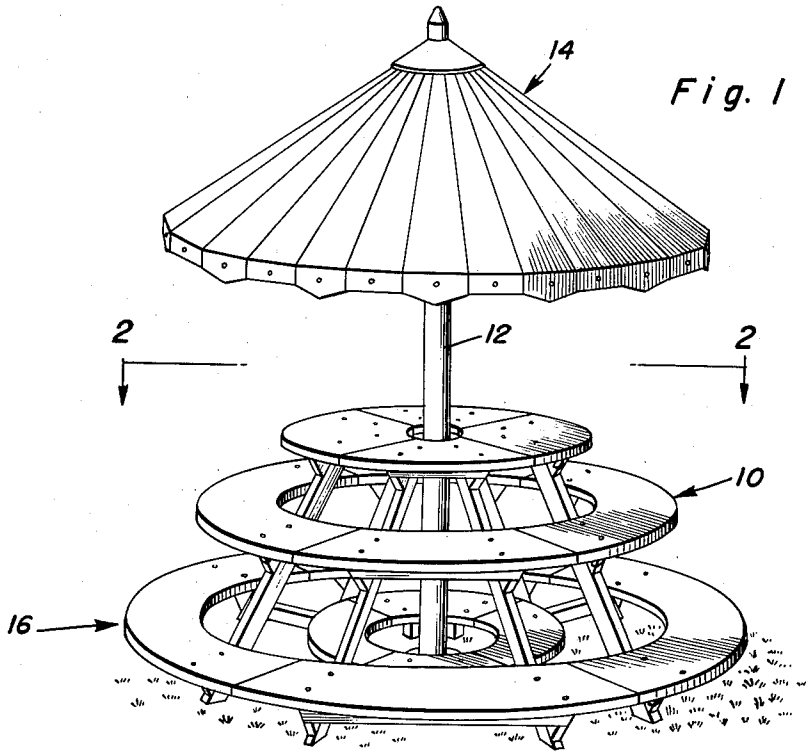


Fig. 1

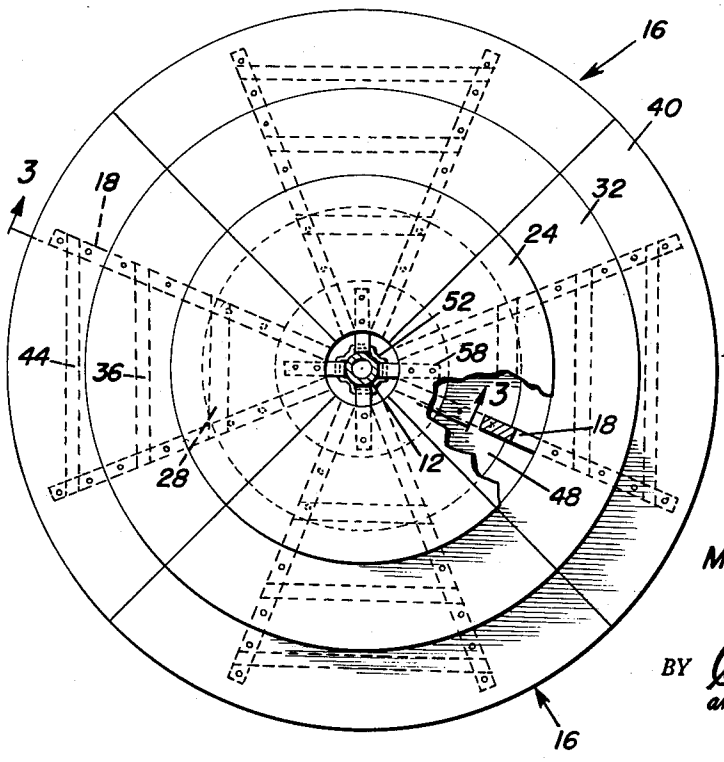


Fig. 2

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Fig. 3

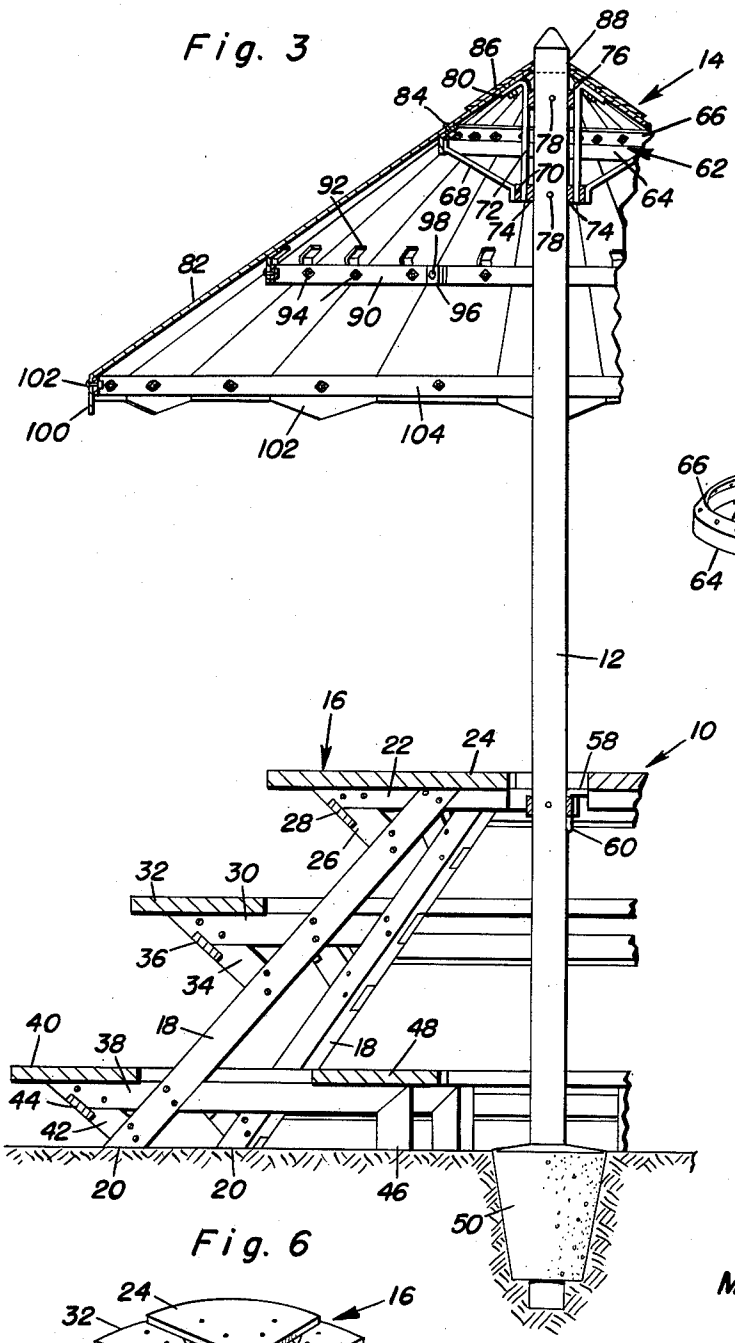


Fig. 4

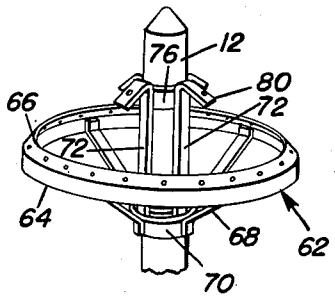


Fig. 5

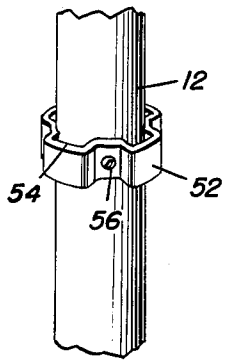
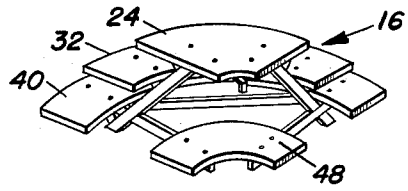


Fig. 6



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COMBINED TABLE AND CHAIR

Moses M. White, Forest City, Ark.

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6 Claims. (Cl. 155—124)

This invention relates in general to outdoor furniture and more specifically to a combined table and seat construction.

The primary object of this invention is to provide an improved combined table and seat which is formed of a plurality of identical sections and which may be easily assembled and disassembled for movement and purposes of storage.

Another object of this invention is to provide an improved combined table and seat construction which is circular in outline whereby the individual sections of the structure combine to support themselves.

Another object of this invention is to provide an improved combined table and seat structure which includes both a step for facilitating the mounting of said seat and a foot rest for engagement while seated on the seat, said step and foot rest also acting as bracing for the structure.

Another object of this invention is to provide an improved combined table and seat structure which is of a relatively simple construction and which may be formed of relatively inexpensive, readily obtainable materials so as to be economically feasible.

A further object of this invention is to provide an improved combined table and seat structure which includes a central support, said central support being provided with an awning overlying said combined table and seat structure to protect the same from the elements.

A still further object of this invention is to provide an improved awning construction which is relatively simple in design and adapted to be mounted at the upper end of a vertical support which extends concentrically therethrough.

With these objects definitely in view, this invention resides in certain novel features of construction, combination and arrangement of elements and portions as will be hereinafter described in detail in the specification, particularly pointed out in the appended claims, and illustrated in the accompanying drawings which form a material part of this application, and in which:

Figure 1 is a perspective view of the combined table and seat structure which is the subject of this invention, and shows the general outline thereof and its relationship to a protective awning;

Figure 2 is an enlarged top plan view of the combined table and seat structure and shows the relationship of the various elements thereof, the view being taken along the horizontal plane passed through the section line 2—2 of Figure 1;

Figure 3 is an enlarged fragmentary transverse vertical sectional view taken substantially upon the plane indicated by the section line 3—3 of Figure 2 and shows the construction of both the combined table and seat structure and the awning construction;

Figure 4 is an enlarged fragmentary perspective view of the upper end of the central support and shows the general construction of a portion of the supporting frame for sections of the awning;

Figure 5 is an enlarged fragmentary perspective view of the central portion of the central support and shows the relationship of a socket-forming member thereon to which may be attached sections of the combined table and seat structure; and

Figure 6 is a perspective view on a reduced scale of one section of the combined table and seat structure.

Similar characters of reference designate similar or identical elements and portions throughout the specification and throughout the different views of the drawings.

Referring now to the drawings in detail, it will be seen that the invention includes a combined table and seat structure which is referred to in general by the reference numeral **10**. The combined table and seat structure **10** is partially supported by a vertically disposed central support **12** which has mounted on its upper end an awning construction which is referred to in general by the reference numeral **14**. The awning construction **14** overlies and protects the combined table and seat structure **10** from the elements.

The combined table and seat structure **10** has a generally circular outline, although other configurations may be utilized, and is formed of a plurality of identical sections, the sections of the combined table and seat structure **10** being referred to in general by the reference numeral **16**. Inasmuch as each section **16** is identical, only one of the same will be described in detail.

Each section **16** includes a pair of main supports **18** which have supporting surface-engaging lower ends **20** and which converge inwardly and upwardly therefrom. Secured to each of the main supports **18** at its upper end is an upper horizontal support element **22** which extends radially from the center of the combined table and seat structure **10**. The upper horizontal support element **22** extends both inwardly and outwardly of the upper end of its associated main support **18** and has secured to the upper surface thereof a horizontal panel which forms the table portion **24**. The table portion **24** extends between and beyond the upper horizontal support elements **22** of the main supports **18** and has the outline of approximately a quadrant of a circle.

In order that the table portion **24** may be thoroughly braced, the outer end of the upper horizontal support element **22** is braced with respect to its associated main support **18** by an upwardly and outwardly directed diagonal brace **26**. The upper portion of the combined table and seat structure **10** is further braced by a chordal horizontal brace **28** which extends between the two braces **26** of each section **16**.

Carried by each main brace **18** is an intermediate horizontal supporting element **30** which is secured to the main brace in the same manner as is the upper horizontal support element **22**. However, the intermediate horizontal support element **30** extends only outwardly from its associated main brace **18** and has mounted on the outer portion thereof a seat forming portion **32**. The seat-forming portion **32** has the general outline of a quadrant of a torus and its inner diameter is substantially equal to the outer diameter of the table-forming portion **24**.

In order that the seat-forming portion **32** may be properly braced, its associated intermediate horizontal support element **30** has its outer end braced by an upwardly and outwardly extending diagonal brace **34** whose lower end is secured to the associated main support **18**. The diagonal braces **34** of each section **16** are further braced by a chordal horizontal brace **36** which extends between and is secured at its ends to the diagonal braces **34**.

Also carried by each main support **18** adjacent its supporting surface-engaging lower end **20** is a lower horizontal support element **38**. The lower horizontal sup-

port element 38 projects both outwardly and inwardly with respect to its associated main support 18 with the inner portion being much longer than the outer portion. Mounted on the outer portions of the bottom horizontal support elements of the section 16 is a bottom panel which forms a step portion 40. The step portion 40, like the seat portion 32, has the general outline of a quadrant of a torus. However, it will be noted that the inner diameter of the step portion 40 is substantially identical with the outer diameter of the seat portion 32.

In order that the step portion 40 may be properly braced, the outer end of the bottom horizontal support element 38 is braced with respect to the main brace 18 by an upwardly and outwardly extending diagonal brace 42. The diagonal braces 42 of each section 16 are interconnected by a chordal horizontal brace 44.

It will be noted that the inner ends of the bottom horizontal support elements 38 are provided with downwardly projecting feet 46 which are also adapted to engage a supporting surface and facilitate the supporting of the section 16. Overlying the inner ends of the bottom horizontal support elements 38 is a panel which forms a foot rest 48. The foot rest 48 also has the general outline of a quadrant of a torus and generally underlies the table portion 24.

The central support 12 extends upwardly through the center of the combined table and seat structure and is provided with a suitable base for supporting the same in a vertical position. When the central support is mounted in the ground, it is provided with an enlarged cementitious footing 50 to prevent movement of the same.

Referring now to Figure 5 in particular, it will be seen that the intermediate portion of the central support 12 is provided with a socket-forming member 52. The socket-forming member 52 extends circumferentially around the central support 12 and includes a plurality of outwardly projecting portions which are spaced from the central support 12 and form pockets 54. The socket-forming member 52 is secured to the central support 12 by a plurality of suitable fasteners 56.

Referring now in particular to Figures 2 and 3, it will be seen that secured to the underside of the table portion 24 between the upper horizontal support elements 22 are hook-shaped elements 58. The hook-shaped elements 58 extend radially from the central support 12 and have depending vertical flanges 60 which are received within the sockets 54 for attaching the section 16 to the central support 12. It will be understood that, if it is so desired, the individual sections 16 may also be secured to each other by suitable fasteners (not shown).

Referring now to Figures 3 and 4, in particular, it will be seen that the awning construction 14 which is disposed at the upper end of the central support 12 includes a first annular supporting frame which is referred to by the reference numeral 62. The frame 62 includes a vertical flange 64 and an inwardly and upwardly sloping flange 66. The frame 62 is braced by a plurality of diagonal braces 68 whose upper ends are connected to the inner surface of the flange 64 and whose lower ends are connected to a relatively small diameter ring 70. The ring 70 is in turn connected to the lower ends of a plurality of support bars 72 which extend vertically therefrom.

The support bars 72 are secured in circumferentially spaced relation to an inner lower ring 74 and an upper inner ring 76. The rings 74 and 76 are secured to the upper portion of the central support 12 by suitable fastening means 78 in spaced relation. Each of the supporting bars 72 is provided with a downwardly and outwardly projecting flange 80 which extends radially from the ring 76 and whose upper surface lies in a common plane with an associated portion of the flange 66 of the frame 62.

Referring now to Figure 3 in particular, it will be seen that overlying the flange 66 of the frame 62 and extending radially from the upper end portion of the central support 12 is a plurality of awning sections 82. Alternate awning sections are in overlapping relation with the adjacent awning sections and are secured to the flange 66 by suitable fastening means 84. The upper ends of the awning sections 82 terminate short of the central support 12 and are connected together by a conical cap 86 which is supported by and secured to the flanges 80. The conical cap 86 is provided with a concentric opening 88 in its upper end in which is tightly received the upper end of the central support 12, the cap 86 being in sealed relation with the central support.

It will be noted that the awning sections 82 extend downwardly from the flange 66 of the frame 62 and are connected to an intermediate annular flange 90 by a plurality of brackets 92 carried by the undersides thereof. The brackets 92 are connected to the annular frame 90 by suitable fasteners 94. It will be noted that the annular frame 90 is sectional and that the ends of each section are provided with inwardly extending flanges 96 which are connected together by suitable fasteners 98.

Each of the awning sections 82 terminates in a downwardly extending flange 100 which is secured by suitable fasteners 102 to a lower annular frame 104. The annular frame 104 is disposed above the lower ends of the flanges 100 and the flanges may have any desired ornamental configuration.

Should it be so desired, the top of the central support 12 may be provided with either a flag or a statue (not shown) in order to enhance the appearance of the combined table and seat structure.

In view of the foregoing, it will be readily seen that the combined table and seat structure and the awning construction may be easily and quickly assembled and disassembled in order that the same may be stored during the winter or transported from one location to the other.

The operation of this device will be understood from the foregoing description of the details thereof, taken in connection with the above recited objects and drawings. Further description would, therefore, appear to be unnecessary.

Minor modifications of the device, varying in minor details from the embodiment of the device illustrated and described here, may be resorted to without departure from the spirit and scope of this invention, as defined in the appended claims.

Having described the invention, what is claimed as new is:

1. A sectional combined seat and table comprising a plurality of separable sections connected in edge abutting relation, each of said sections including a main support engageable at its lower end with a supporting surface, means at the upper end of said main support for connecting the same to a central support, horizontal support elements carried by said main support in vertically spaced relation, seat and table forming panels carried by support elements.

2. A sectional combined seat and table comprising a plurality of separable sections connected in edge abutting relation, each of said sections including a main support engageable at its lower end with a supporting surface, means at the upper end of said main support for connecting the same to a central support, horizontal support elements carried by said main support in vertically spaced relation, seat and table forming panels carried by support elements, outwardly extending braces bracing outer ends of said support elements.

3. A sectional combined seat and table comprising a plurality of separable sections connected in edge abutting relation, each of said sections including a main support engageable at its lower end with a supporting surface, means at the upper end of said main support for connecting the same to a central support, horizontal support elements carried by said main support in vertically spaced relation, seat and table forming panels carried by support elements, said means including a

hook member carried by said seat forming panel and engageable in a socket carried by the central support.

4. A sectional combined seat and table comprising a plurality of separable sections connected in edge abutting relation, each of said sections including a main support engageable at its lower end with a supporting surface, means at the upper end of said main support for connecting the same to a central support, horizontal support elements carried by said main support in vertically spaced relation, seat and table forming panels carried by support elements, a bottom horizontal support element carried by said main support and extending inwardly and outwardly therefrom, step and foot resting forming panels carried by said bottom support element on opposite sides of said main support.

5. A sectional combined seat and table comprising a plurality of separable sections connected in edge abutting relation, each of said sections including a main support engageable at its lower end with a supporting surface, means at the upper end of said main support for connecting the same to a central support, horizontal support elements carried by said main support in vertically spaced relation, seat and table forming panels carried by support elements, a bottom horizontal support element carried by said main support and extending inwardly and outwardly therefrom, step and foot rest forming panels carried by said bottom support

element on opposite sides of said main support, a ground-engaging foot at the inner end of said bottom horizontal support element.

6. A sectional combined seat and table comprising a plurality of separable sections connected in edge abutting relation, each of said sections including a pair of spaced main supports engaging at their lower ends with a supporting surface, means associated with the upper ends of said main supports securing the same to a central support, bracing interconnecting said main supports.

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