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J. V. MILTON AND C. E. MARSH.

CAMP TABLE.

APPLICATION FILED SEPT. 27, 1920.

1,436,772. Patented Nov. 28, 1922.

Fig. 2.

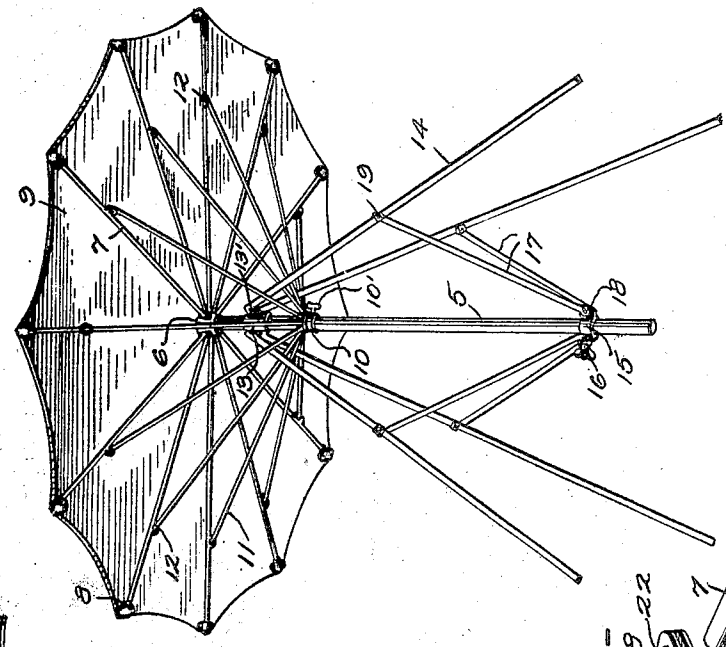


Fig. 4.

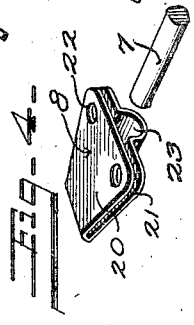


Fig. 1.

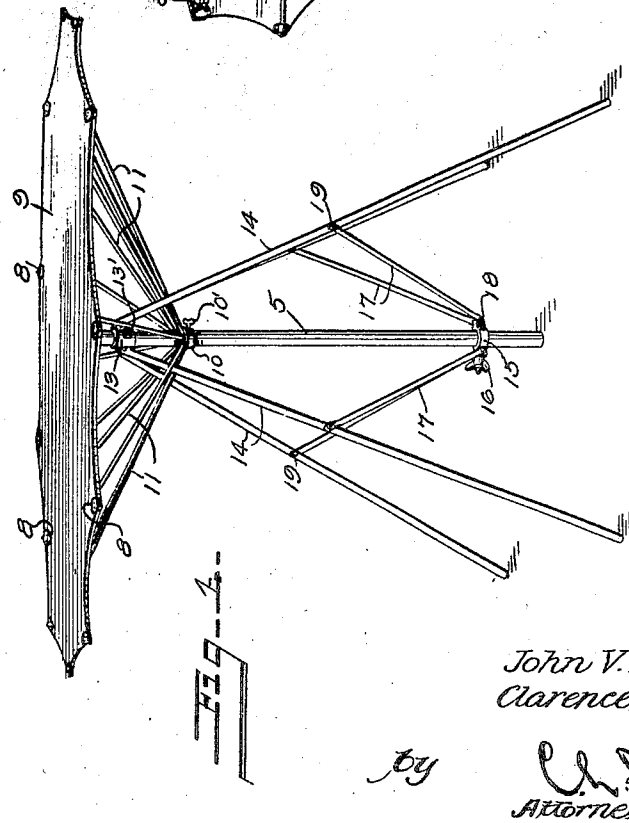
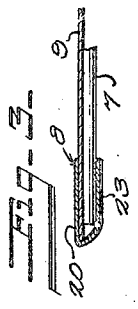


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN V. MILTON AND CLARENCE E. MARSH, OF WEBB CITY, MISSOURI.

CAMP TABLE.

Application filed September 27, 1920. Serial No. 413,120½.

To all whom it may concern:

Be it known that we, JOHN V. MILTON and CLARENCE E. MARSH, citizens of the United States, residing at Webb City, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Camp Tables, of which the following is a specification.

This invention relates to tables, and more particularly to tables of the collapsible type embodying a flexible top of fabric such as canvas or the like.

An important object of the invention is to provide a table of the above mentioned character which may be folded into small space and readily set up when desired.

A further object of the invention is to provide a table embodying a flexible top and having novel means for stretching the top and supporting it in a horizontal position.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the drawings, forming a part of this specification and in which like numerals are employed to designate like parts throughout,—

Figure 1 is a perspective view of the table looking down on the top thereof,

Figure 2 is a similar view from the under side of the table,

Figure 3 is a detail sectional view through one of the clips and associated elements, and

Figure 4 is a detail perspective view of one of the clips.

In the drawings, wherein for the purpose of illustration is shown a preferred embodiment of our invention, the numeral 5 designates a vertical standard which may be formed from a solid bar of preferably circular cross-section, or of tubular stock. The upper end of the standard is provided with a stationary collar 6 to which are pivoted the inner ends of a plurality of radially disposed ribs 7. The outer ends of the ribs 7 are secured by suitable fastening means such as clips 8 to the outer edge of the flexible top 9 formed of suitable fabric such as canvas or the like. The upper edges of the ribs 7 are preferably flush with the top of the standard 5 and contact the lower surface of the top when the table is in the open position.

Slidably mounted on the standard 5 and spaced from the top thereof is a slidable collar 10, to which are pivoted the lower and inner ends of angular braces 11 corresponding in number and arrangement to the ribs 7. The outer and upper ends of the braces 11 are pivoted as at 12 to the ribs 7 intermediate the ends thereof. The collar 10 may be held in any desired position on the standard 5 by means of a set screw 10′.

Slidably mounted upon the standard 5, intermediate the collar 10 and the upper end of the standard is a second collar 13, to which are pivoted the upper ends of a plurality of leg members 14 adapted to support the table when in the extended position. The collar 13 may be held in any desired position on the standard 5 by means of a set screw 13′. The numeral 15 designates a third slidable collar mounted on the standard near the lower end thereof. The collar 15 is provided with a set screw 16 or the like for securing the collar 15 to the standard 5 in any desired position. The numeral 17 designates a plurality of leg braces which have their inner and lower ends pivoted to the collar 15, as at 18, and their upper and outer ends pivoted as at 19 to the legs 14, intermediate the ends thereof. As clearly shown in the drawings the legs 14 are arranged between certain of the braces 11.

The clips 8 are preferably formed of sheet metal, and each of the clips is bent substantially U-shaped to provide upper and lower portions 20 and 21. The upper portion 20 of each clip is preferably flat and is secured to the fabric top by means of rivets passing through openings 22, the fabric being inserted between the upper and lower portions of the clip, as shown in Figure 3. The lower portion of each clip is provided with a socket portion 23 adapted to receive the outer ends of the radial ribs 7.

The operation of the device is as follows: When it is desired to fold the table the set screw 16 is released from the standard 5 whereupon the legs 14 may be moved inwardly against the standard 5, the collar 15 moving downwardly to a point adjacent the bottom of the standard, as will be obvious. The set screw 10′ is then loosened and the collar 10 moved downwardly upon the standard 5, drawing the braces 11 and ribs 7 downwardly and inwardly against the standard 5. When it is desired to open the table

the above operation is reversed, the collar 10 being raised on the standard 5 until the top 9 assumes a horizontal position, whereupon the set screw 10′ is tightened against the standard 5. The legs 14 are then extended, as shown, and the set screw 16 tightened to secure the legs 14 against upward movement. It will be obvious that the height of the table may be varied within reasonable limits by varying the height of the collar 13.

It will be obvious that the top 9 is preferably stretched tightly over the ends of the ribs 7 when in the extended position, and the numerous horizontal points of support furnished by the ribs 7 prevents sagging of the top whereby a flat firm surface is provided.

The location of the collar 13 near the top of the standard 5 serves to firmly support the top of the table without the use of a relatively large heavy standard.

It will be obvious that the clips 8 provide convenient means whereby the flexible top may be removed for cleaning or the like and easily replaced in position on the radial ribs.

It is to be understood that the form of our invention herewith shown and described is to be taken as a preferred example of the same, and that various changes in the shape, size, and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described our invention, we claim:

In a table having a standard, a plurality of substantially horizontal rigid radial ribs pivoted at their inner ends to and flush with the upper end of said standard and a flexible top adapted to be stretched upon and to contact with said ribs, a plurality of clips corresponding in number and arrangement to the free ends of said ribs, each of said clips comprising a piece of sheet metal bent upon itself to form slightly spaced upper and lower portions adapted to receive a portion of the edge of the flexible top therebetween, the upper and lower portions being provided with openings near their edges, rivets passing through said openings and the edge of the flexible top, and an elongated socket formed in the lower portion of said clip between said rivets to snugly receive the free end of one of said ribs.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN V. MILTON.
CLARENCE E. MARSH.

Witnesses:
A. WILL MARSH,
L. F. BETTS.