

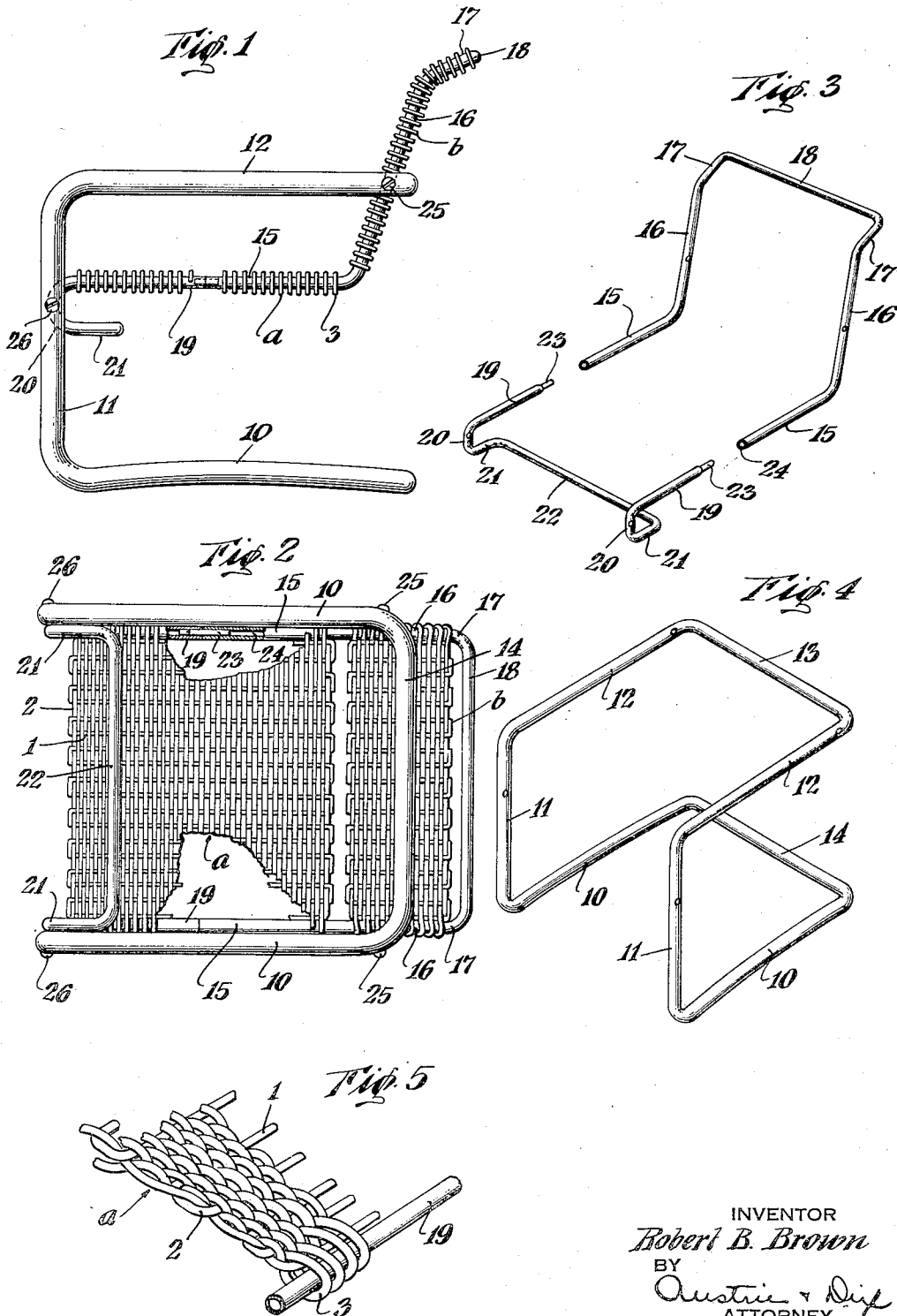
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CHAIR

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CHAIR

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This invention relates to chairs and more particularly to a chair comprising a frame structure having removable seat and back rest mats associated therewith.

5 The chair forming the subject matter of this invention and herein disclosed comprises generally a pedestal frame having a removable chair seat frame mounted therein. The seat frame is formed from two separable U-shaped parts, one
10 part forming the seat rest frame and the other part the back rest frame. The seat for the chair comprises a mat of woven rope. The rope is so woven as to provide loops along the side edges thereof which thread over the side mem-
15 bers of the seat frame. The back rest of the chair also comprises a mat formed from woven rope having loop formations along the side edges thereof which thread over and extend around the side members of the back rest frame. The rope
20 mats may be positioned on the respective seat and back rest frames by separating the frames and threading and slipping the loops on the side edges of each mat over the respective side members thereof. The mats can thus be easily
25 removed and replaced or others substituted. The strand of rope forming each mat may be colored before weaving or after weaving, permitting of a large variety of colors and patterns to harmonize with the decorated chair frame. The
30 mats are relatively inexpensive to manufacture and apply, are unusually strong, will withstand the hardest usage and will wear indefinitely. The rope mats present a further advantage in that they possess a certain amount of resiliency and
35 give which makes them unusually comfortable to sit and recline upon.

An object of this invention is to provide a chair comprising a skeleton frame having associated therewith removable seat and back rest mats
40 which are comfortable for the body to sit and recline upon.

Another object of this invention is to provide a chair comprising a skeleton frame having mats
45 formed of woven rope associated therewith, which is strong, durable and lasting, which will withstand extreme rough usage, which can be made up in a large variety of harmonious color combinations, and which can be economically manu-
50 factured and assembled.

Still another object of this invention is to provide a rope mat adapted for use in association with a chair frame, reclining couch and the like, which is strong and durable, which resiliently
55 conforms to the shape of the body positioned

therein, and which may be woven from a single strand of rope.

Other objects of this invention will become apparent as the disclosure proceeds.

Although the novel features which are be-
60 lieved to be characteristic of this invention will be particularly pointed out in the claims appended hereto, the invention itself, as to its objects and advantages, and the manner in which it may be carried out, may be better understood by
65 referring to the following description taken in connection with the accompanying drawing forming a part thereof, in which

Fig. 1 is a side view of a chair comprising a chair frame having rope mats associated there-
70 with;

Fig. 2 is a bottom plan view of the chair shown in Fig. 1;

Fig. 3 is a perspective view of the chair seat frame comprising separable seat rest and back
75 rest frames;

Fig. 4 is a perspective view of the pedestal frame supporting the seat frame; and

Fig. 5 is an enlarged perspective of a fragmentary portion of the mat and seat frame illus-
80 trating particularly the manner in which the mat is woven and connected to the seat frame.

Similar reference characters refer to similar parts throughout the drawing and specification.

The framework structure of the chair herein
85 disclosed comprises generally a pedestal frame within which is removably mounted a seat frame comprising separable seat rest and back rest frames. The pedestal frame may be made of a single piece of tubing of continuous form bent
90 into the shape shown in Fig. 4. The tubing as thus bent provides base portions or rockers 10 connected at the rear by the brace portion 14. The ends of the rockers 10 are bent upwardly to provide a pair of spaced legs 11 which are in
95 turn bent into substantially horizontal position to provide arm rest portions 12. The arm rest portions 12 are joined by a bracer portion 13.

The rocker portions 10 may be substantially straight so as to rest flatly on the floor or may
100 be shaped into arcuate form so as to permit the chair to rock thereon.

The seat frame is preferably formed of two U-shaped parts, one part forming a seat rest frame and the other a back rest supporting frame.
105 As shown more particularly in Fig. 3, the seat supporting frame comprises a one piece member formed from tubing bent generally into U-shaped form. The side bars 19 of the U-shaped seat supporting frame are spaced apart and are substan-
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tially parallel to one another. Each of the bars 19 is provided with downwardly bent portions 20 and inwardly extending portions 21 connected together by the brace portion 22 which gives the chair an artistic appearance and furthermore provides a comfortably rounded seat when the mat is positioned thereon. The back rest of the seat frame comprises a pair of parallel bars 15 which connect to bars 19 of the seat portion to complete the chair seat. Back rest bars 16 extend upwardly from the seat bars 15 and are adapted to receive the back rest mat. The upper ends of the back rest bars 16 are bent rearwardly to form in effect a head rest frame and these portions are finally connected by the tie bar portion 18, as shown in Fig. 3. The free ends of each of the seat bars 19 are provided with a stud 23 adapted to be inserted into a socket or opening 24 in the end of the seat bars 15 of the back rest portion. It is thus seen that the seat rest portion and the back rest portion of the seat frame may be easily and quickly separated or connected together. The seat frame, as shown in Fig. 3, is supported within the pedestal frame, shown in Fig. 4, by means of bolts 25 which extend through the arm rest portions 12 and the back rest bars 16, and also by bolts 26 which extend through the leg supports 11 and into the vertical portions 20 of the seat frame, as shown more particularly in Fig. 1.

A seat mat *a* is provided which extends between the seat bars 15 and 19. The seat mat is preferably formed from woven rope as shown more particularly in Fig. 5. The mat may be formed from a single continuous strand of rope woven in such a way as to provide binding strands 1 and loop strands 2. The side edges of the rope are so woven as to provide a series of loops 3 through which the seat bars 15 and 19 may be inserted. The seat mat is made of convenient size so as to fully cover the seat portion of the chair and provide a comfortable seat. It has been found that mats woven of rope in the manner shown in Fig. 5 provide an unusually comfortable seat which resiliently conforms to the body contour of the person seated therein. The seat mat may be made of such size as to continue a short distance around the vertical portions 20 of the seat frame portion so as to provide a comfortable rest for the limbs of a person seated therein.

The seat mat *a* may be made of such size to also continue up over the back rest supports 16 if desired. It has been found practical, however, to make the back rest mat *b* as a separate unit from the seat mat *a*. The back rest mat *b* may comprise a strand of rope woven into a mat identical to the seat mat *a*. The side loops 3 of the back rest mat are adapted to extend over and around the back rest bars 16 and are preferably large enough to also extend over the head rest frame support portions 17, as shown in Fig. 1. The mat *b* thus serves the purpose of a back rest and a head rest.

The seat mat *a* and the back rest mat *b* may be placed in position as follows: The side loops 3 of the back rest mat *b* are first threaded over the seat rest bars 15 and the mat pulled up into the proper position. The side loops 3 of the seat mat *a* are then threaded either over the seat rest bars 15 or 19 as found most convenient. The seat rest frame and the back rest frame are then connected together by inserting the studs 23 into the socket 24. The seat mat is then manipulated so that some of the loops 3 are distributed

around the seat bars 19 and others are distributed around the seat bars 15 providing a comfortable seat.

The chair as thus made is especially adapted for outdoor use where the same becomes subjected to the weather since it will withstand the hardest usage, handling and weathering. The framework is preferably made of metallic tubing although it is understood that the frame structure may be otherwise made of a variety of different materials. The mat seats can be easily and quickly assembled on the chairs during manufacture. The mats can also be removed at any time by removing the bolts 25 and 26 and separating the seat rest and the back rest portions of the seat frame.

It has been found that a very satisfactory mat may be produced by weaving the mat from a single strand of sisal rope. It is understood, however, that other rope material may be used and the mat may be woven from one or more strands of the same. These rope mats give very comfortable support to the body resting therein because the mat is unusually flexible and resilient, closely conforming to the body of the occupant. The natural resiliency which the mat possesses causes it to immediately return into its original position when the occupant has left the chair. The rope comprising the mat may be colored either before weaving or after the same has been woven into a mat. Most attractive color combinations can thus be effected at very low cost.

While certain novel features of the invention have been disclosed and are pointed out in the annexed claims, it will be understood that various omissions, substitutions and changes may be made by those skilled in the art without departing from the spirit of the invention.

What is claimed is:

1. A chair comprising in combination a supporting frame, a seat frame comprising a U-shaped seat supporting portion and a U-shaped back rest supporting portion, a mat extending between and supported by said seat supports to provide a seat for said chair, and a back rest mat extending between said back rest supports and providing a back rest for said chair, said seat mat and back rest mat each being formed from a continuous strand of rope woven transversely and longitudinally and having loop formations along the side edges thereof extending around the respective seat frame and back rest frame supports.

2. A chair comprising in combination a supporting frame, a seat frame comprising a U-shaped seat supporting portion and a U-shaped combined back rest and seat supporting portion, a mat extending between and supported by said seat supports to provide a seat for said chair, and a back rest mat extending between said back rest supports and providing a back rest for said chair, said seat mat and back rest mat each being formed from a continuous strand of woven rope having loop formations along the side edges thereof extending around the respective seat frame and back rest frame supports, said mats being removable by separating the seat frame and combined back rest and seat frame.

3. In combination with a chair frame, a seat mat removably supported by said frame, said mat being formed from a single continuous strand of rope woven longitudinally and transversely and having loop formations along the side edges thereof extending around said seat frame.

4. In combination, a chair seat and back frame comprising two U-shaped metal tubes, the first of said tubes being bent to form side bars and a top bar for the back portion of said frame and 5 side bars for a part of the seat portion of said frame, the second of said tubes being bent to form side bars for the remainder of the seat portion of said frame and a front bar for said seat portion, a pair of studs telescoped into the abutting ends of said tubes and holding said ends in co-axial relation, and a seat and a back mat each formed of a single continuous strand of rope woven longitudinally and transversely and having loop formations along the side edges thereof extending around said tubes, said seat mat being so situated as to conceal the abutting ends of said tubes.

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