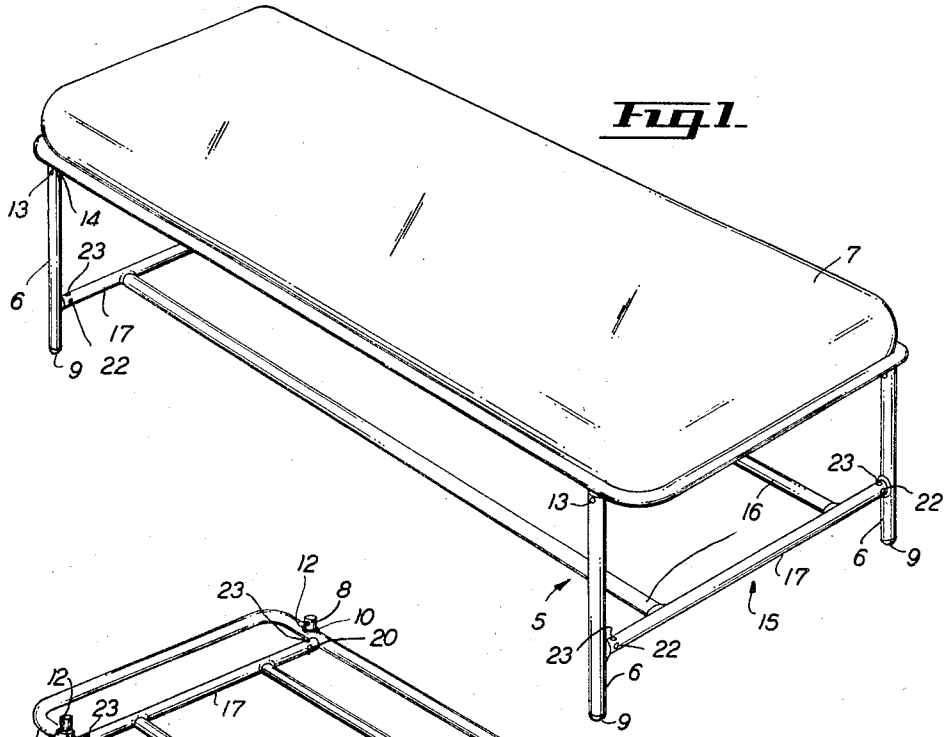
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BEDSTEAD

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Fig 1.



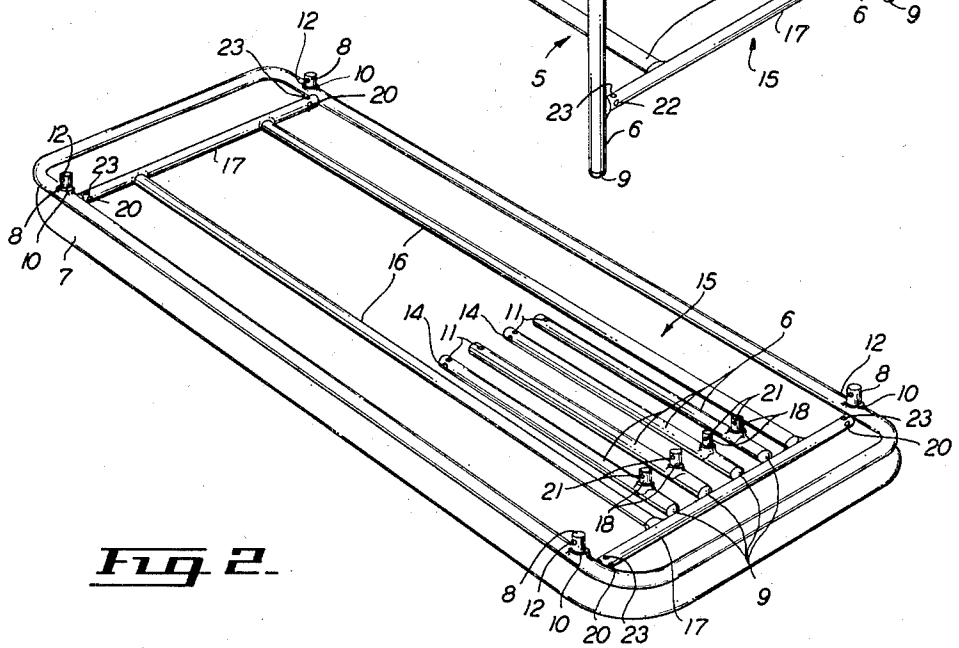


Fig 2.

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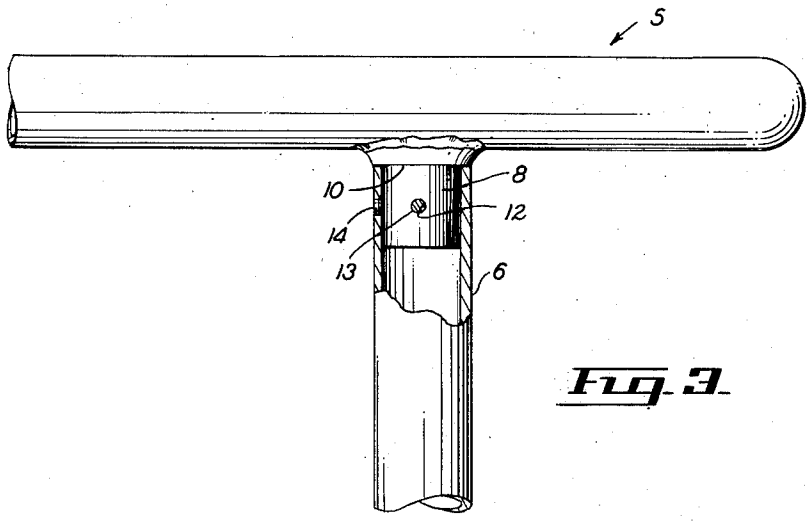


Fig. 3

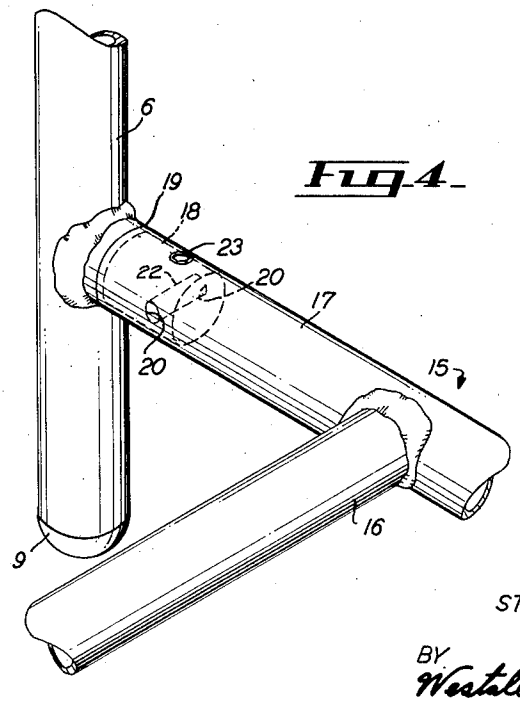


Fig. 4

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Patented June 30, 1953

2,643,396

UNITED STATES PATENT OFFICE

2,643,396

BEDSTEAD

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Application June 10, 1950, Serial No. 167,341

2 Claims. (Cl. 5—285)

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This invention relates generally to bedsteads and more specifically contemplates a treating table adapted particularly for supporting patients for examination by physicians and for therapeutic treatments.

Conventional treating tables are usually composed of wood and are of integral construction making transportation and storage of such devices, when not needed, a substantial problem, especially in small offices or where a large but constantly varying number of such tables are required. Because of their bulk and weight conventional tables are difficult to shift about for most convenient utility.

It is, accordingly, a principal object of the present invention to provide a physician's treating table comprising a conventional frame adapted to support a mattress or the like in a substantially-horizontal, elevated position, and characterized by separable joints between sections thereof to permit facile disassembly of the unit for packing, storage or shipping.

It is a further object hereof to provide a sectional frame comprising a mattress-supporting section, a plurality of legs, and a bracing section, relatively separable, but releasably engageable with one another with the legs secured to the underside of the mattress-supporting section for the horizontal support of the latter, and the bracing section attached between the lower portions of the legs to maintain the vertical relationship of the latter and the rigidity of the table.

More specifically, an object hereof is to provide a rectangular mattress-supporting frame in combination with a separate integral bracing section for a plurality of separable legs, the latter section and legs being of a size and shape adapted to be nested within the supporting frame for packing when not in use.

Still another object is the provision of a plurality of joints between the structurally-separate sections of the composite frame above-referred to, each joint comprising a pair of telescopically related elements in combination with means to releasably but positively lock the several joints rigidly together.

Other objects and salient features of my invention, such for example, as simplicity of construction, facility of assembly and disassembly, economy of manufacture, susceptibility to compact relationship of the parts both when assembled for use and when in condition for storage, and attractive appearance, will be obvious to those of skill in the art upon an examination of the following description read in the light of the accompanying drawings, in which:

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Fig. 1 is a perspective view of a treating table embodying my invention;

Fig. 2 is a perspective view of the unit shown in Fig. 1 with the parts in disassembled relationship as when arranged for packing;

Fig. 3 is an enlarged elevation of one corner of the table, illustrating particularly one of the joints between the mattress-supporting section of the frame and one of the legs;

Fig. 4 is an enlarged, fragmentary, perspective view of one of the joints between the bracing section and one of the legs of the table.

Referring to the drawings more in detail, the numerals of which indicate similar parts throughout the several views, 5 designates a mattress-supporting frame section of a table adapted to be supported in elevated, horizontal position, upon vertical legs 6 arranged at the four corners thereof. The section 5 defines a rectangle and is preferably composed of an integral tubular member having its ends secured together, the corners of the frame being rounded. It will be understood that the section 5 is of a size and shape to conform with the dimensions of a mattress to be supported, which, as generally indicated at 7, may comprise suitable padding mounted upon a rigid base adapted to bear upon the tubular frame section 5. Being conventional in construction, the details of the mattress 7 are not illustrated.

Adjacent each of the corners of the frame section 5, a stud 8 is welded or otherwise suitably secured to the underside of the section so as to depend downwardly for telescopic association with one of the legs 6 of the assembly. To this end, the legs are also preferably constructed of tubular stock. The lower ends of the legs are fitted with exteriorly rounded members 9 adapted to function as slides so as to facilitate movement of the table over a floor or other surface upon which the device rests. Each of the studs 8 has a sliding fit with the bore of the upper end of the leg 6 with which it is associated when the table is assembled for use so as to resist lateral movement between the section 5 and legs. Each stud 8 is formed with a collar providing a shoulder 10, encircling its base, against which the end of the leg 6 abuts so as to register lateral diametrically-opposed holes 11 formed in the leg with a complementary hole 12 extending through the stud 8. The registering holes 11 and 12 of each leg and stud assembly are disposed in parallel relationship with the

end of the section 5 so as to facilitate projection therethrough of a pin 13 by which the leg is locked to the stud. It will be appreciated that the pin 13 is formed to provide a snug fit with the holes 11 and 12 so as to obviate inadvertent displacement thereof. Threaded through the side of the portion of each leg 6 which accommodates a stud 8, and spaced 90° from the pin 13 therein, is a set screw 14 adapted to engage the complementary opposed portion of the stud 8 so as to supplement the pin 13 in resisting displacement of the leg and stud during normal use.

The vertical relationship of the leg is rigidly reinforced by a bracing section 15, comprising a pair of tubular longitudinals 16 arranged in spaced, parallel relationship by transverse end tubes 17, extending across and welded or otherwise rigidly secured to respective corresponding ends of the longitudinals. The transverse end tubes 17 of the bracing section 15 are of a length slightly less than the distance between the legs at each end of the table.

Secured to the opposed arcs of the respective legs 6 at each end of the table is a pair of coaxially aligned studs 18, circular in cross-section, and of diameters adapted to snugly fit into the opposite ends, respectively, of the bores of the end tubes 17 at the corresponding ends of the bracing sections 15. The joints between the bracing section 15 and legs 6 are substantially identical to those above described with reference to connection between the legs and mattress-supporting section 5, and accordingly each stud 18 is formed with a collar providing a shoulder 19 encircling its base against which the end of one of the tubular end pieces 17 of the bracing section 15 abuts. Each end of each tubular member 17 is formed with diametrically opposed horizontally-aligned holes 20 which register, when the parts are related as above described, with a hole 21 through the stud 18 associated therewith. A pin 22, extending through the registering holes 20 and 21, thus transfixes each end of each transverse end tube 17 and the stud 18 therein to maintain these parts together. Threaded downwardly through each end of each tube 17 is a set screw 23 which is operable to frictionally engage the encircled stud 18 so as to reinforce the pins 22 in resisting displacement of the legs and bracing section 15.

By simply removing the pins 13 and 22 and releasing the screws 14 and 23 all structurally-separate sections may be displaced with relation to one another for storage. As illustrated in Fig. 2, with the mattress-supporting section 5, the bracing section 15 and legs 6 in separated relationship, all parts of the frame may be nested together upon the mattress 7, the bracing section 15 being disposed within the confines of the mattress-supporting section 5. The legs may be placed between the longitudinals 16 of the bracing section and with the components so related and superimposed upon the mattress, the entire assembly is susceptible to packing and shipping with minimum bulk.

Under certain conditions, a user may wish to temporarily disassemble the table while maintaining the parts thereof in a convenient relationship for quick re-assembly when use of the table is again required. This may be accomplished by removing the mattress and the frame 5 from the legs and removing the pins 22 from the joints between the legs and bracing section 15. The set screws 23 are then released from engagement with the studs 18 whereupon the legs, with the studs thereof still engaged with the end tubes 17 of the bracing section, are tilted inwardly into parallel relationship with the longitudinals 16 of section 15. The set screws 23 are then again locked in frictional engagement with the studs 18 so as to hold the parts in this relationship. The mattress 7, the supporting section 5 and the still-engaged bracing section 15 and legs 6 may be leaned in contiguous parallel relationship against a wall or placed on end in a closet or other location of convenient temporary storage. Reassembly of the table is thus facilitated by obviating the necessity for re-engagement of the respective studs 18 with the end tubes 17.

While I have shown and described but a single embodiment of my invention, it will be appreciated that numerous changes in size, design, shape and number of the various parts may be made, that the cross-sectional contour of the several section elements may be modified as required, and that additional transverse mattress-supporting members may be provided between the longitudinals 16 of the section 15 to afford additional support for the mattress, if desired, without departing from the spirit of my invention as defined by the appended claims.

What I claim and desire to secure by Letters Patent is:

1. A treating table comprising an endless rectangular tube providing a frame section, a rigid base mattress supported on said frame section, said frame section having an opening therewithin, a plurality of studs secured rigidly to the underside of said mattress supporting frame section and projecting downwardly therefrom, a shoulder provided on each stud and spaced from its end, a plurality of legs, each leg being telescopically and releasably engaged on one of said studs and abutted against its shoulder to support said frame section in an elevated position, a stud secured rigidly to and projecting laterally from each leg, a shoulder provided on each leg stud and spaced from its end, a bracing section comprising tubular members rigidly secured together and telescopically and releasably engaged on said leg studs and abutted against said leg stud shoulders to maintain the positions of said leg, means cooperating with all said studs and the parts engaged thereover and providing securement of said parts to said studs, said bracing section being of a length and width less than the corresponding dimensions, respectively, of said opening within said frame section for accommodation of said bracing section within said opening upon disengagement of said bracing section from said leg studs.

2. A treating table comprising an endless rectangular tube providing a frame section, a rigid base mattress supported on said frame section, said frame section having an opening therewithin, a plurality of studs secured rigidly to the underside of said mattress supporting frame section and projecting downwardly therefrom, a shoulder provided on each stud and spaced from its end, a plurality of legs, each leg being telescopically and releasably engaged on one of said studs and abutted against its shoulder to support said frame section in an elevated position, a stud secured rigidly to and projecting laterally from each leg, a shoulder provided on each leg stud and spaced from its end, a bracing section comprising tubular members rigidly secured together and telescopically and releasably engaged on said leg studs and abutted against said leg stud shoulders to maintain the positions of said legs, pin and

set screw means at angles to each other cooperating with all said studs and the parts engaged thereover and providing securement of said parts to said studs, said bracing section being of a length and width less than the corresponding dimensions, respectively, of said opening within said frame section for accommodation of said bracing section within said opening upon disengagement of said bracing section from said leg studs.

STANLEY J. POST.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
1,729,041	Harman	Sept. 24, 1929
2,022,714	Gallup	Dec. 3, 1935
2,511,452	Anderson et al.	June 13, 1950
2,512,353	Magaldino	June 20, 1950

FOREIGN PATENTS

Number	Country	Date
22,642	Norway	Oct. 7, 1912