



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
10.07.2002 Bulletin 2002/28

(51) Int Cl.7: **B25H 1/04**

(21) Application number: **01205174.4**

(22) Date of filing: **24.12.2001**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
 Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **04.01.2001 BE 200100005**

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(54) **Working table**

(57) Working table, in particular for the cutting, sawing or such of boards, more particularly sandwich-type gypsum plaster boards, characterized in that it consists

of a support structure (2) carried by folding legs (6-7), which structure itself consists of at least two collapsible parts A-D and which defines a support surface (4) in which at least one opening (5) is provided.

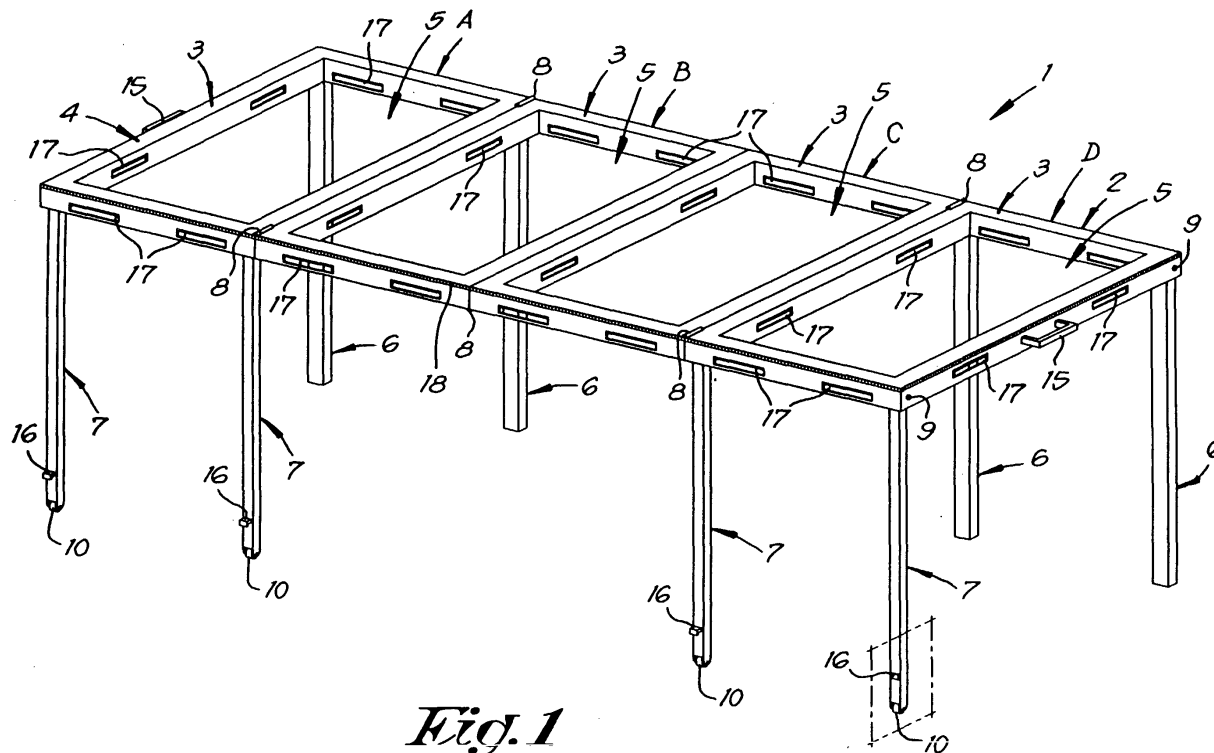


Fig. 1

Description

[0001] This invention relates to a working table.

[0002] More particularly, the invention relates to a working table on which preferably, however, not exclusively, sandwich-type gypsum plaster boards can be processed, more particularly cut, sawn or such.

[0003] It is known that sandwich-type gypsum plaster boards, which mostly consist of two layers of cardboard with a layer of gypsum therebetween, can be cut by first cutting one layer of cardboard with a knife, subsequently breaking the layer of gypsum and, whether having turned the board upside down or not, finally cutting the second layer of cardboard.

[0004] This may take place on a floor as well as on a table, however, thereby the floor, the table, respectively, may be damaged.

[0005] The invention aims at providing a working table, in particular for processing, such as cutting, sawing or such, sandwich-type gypsum plaster boards, whereby the above-mentioned disadvantage is avoided.

[0006] To this aim, the invention aims at a working table, in particular for the cutting, sawing or such of boards, more particularly sandwich-type gypsum plaster boards, with as a characteristic that it is collapsible and consists of a support structure, carried by feet, which defines a support plane, whereby at least one opening is present in this support structure.

[0007] As the working table is collapsible, it is easy to transport.

[0008] As one or more openings are provided in the support structure, the table may be used for easily processing boards, for example, sandwich-type gypsum plaster boards, by means of cutting, sawing or the like.

[0009] Also, on such working table corners or figures may be cut out or sawn out of the boards, whereas the boards may remain on the table, thanks to the aforementioned openings.

[0010] In comparison to the cutting, sawing or such of sandwich-type gypsum plaster boards on the floor, this way of working moreover has the advantage that this is taking place in a more comfortable position and that damaging the floor is avoided.

[0011] According to a preferred form of embodiment, said support structure consists of a frame, or, in other words, a construction of relatively small surfaces in which relatively large openings are formed. These surfaces are mutually connected in a hingeable manner, such that the frame consists of one or more parts which each are defined by these relatively large openings in said surfaces, which latter are collapsible in respect to each other.

[0012] Thus, the working table according to the invention substantially consists of a working table supported by folding feet, in particular for the cutting, sawing or such of boards, more particularly sandwich-type gypsum plaster boards, characterized in that it consists of a support structure carried by folding feet, the structure

itself consisting of at least two collapsible parts A and D and defining a support plane in which at least one opening is provided.

[0013] Apart therefrom, it is also possible that said support structure has another form than a frame, such as, for example, a top with one or several openings therein, which openings may have different dimensions.

[0014] With the intention of better showing the characteristics of the invention, hereafter, as an example without any limitative character, a preferred form of embodiment is described, with reference to the accompanying drawings, wherein:

Figure 1 in perspective represents a working table according to the invention;

Figure 2 in perspective represents a working table according to the invention in partially collapsed condition;

Figure 3 in perspective represents a working table according to the invention in completely collapsed condition;

Figures 4 and 5, at a larger scale and for two positions, represent a detail of the part indicated by F4 in figure 1;

Figure 6 represents a side view of the working table according to the invention in partially collapsed condition;

Figure 7 represents a side view of another form of embodiment of the working table according to the invention.

[0015] In the figures, a working table 1 according to the invention is represented.

[0016] This table comprises a support structure 2 which, in the example of the figure, is a frame consisting of four parts A, B, C and D which are collapsible in respect to each other. The parts A, B, C and D each have a flat upper side 3, such that, in unfolded condition, these flat upper sides 3 define a support plane 4, in which relatively large openings 5 are provided.

[0017] At the bottom of each of the two extreme parts A and D, there are two rear legs 6 and two front legs 7, respectively, in other words, two pairs of legs per part A and D.

[0018] The four parts A, B, C and D can be pivoted in respect to each other by means of hinges 8, whereby between the parts A and B, C and D, respectively, the hinges 8 are on the upper side, and between the parts B and C on the lower side, such that the working table 1 can be collapsed up to the condition as represented in figure 3.

[0019] The legs 6 and 7 are foldable in that they are installed pivotably around hinges 9.

[0020] The rear legs 6 are U-shaped, such that, when folding the legs 6 and 7, the front legs 7 match therein, such as represented in figure 2.

[0021] Preferably, wheels 10 are provided under the legs 6 and 7, such that the working table 1 can be dis-

placed. Preferably, these wheels 10 are equipped with blocking means 11, such that the working table 1, after displacement, can be kept in a certain position.

[0022] In a preferred form of embodiment, reinforcements 12 are provided between the legs 6 and 7 and the parts A and D to which these legs are attached, which reinforcements each consist of two rods 13 and a folding part 14, as shown in figure 7. These reinforcements 12 are situated in the pivoting planes of the respective legs 6 and 7.

[0023] In the represented form of embodiment, the parts A and D comprise handles 15, such that the working table 1, in collapsed condition, as represented in figure 3, can easily be picked up and moved by means of these handles 15, whereby these handles 15 either can be retractable or not.

[0024] At the bottom end of the front legs 7, extendable parts 16 are provided with a flat top surface, as is visible in figure 4.

[0025] In extended condition (see figure 5), by means of these parts 16, a sole person easily can place a sandwich-type gypsum plaster board on top of the frame 2 without exhausting himself, in that this person can place a sandwich-type gypsum plaster board with one edge onto the top surfaces of the plurality of extended parts 16, which is possible without too much difficulty, in order to be able afterwards to simply grip the board at the bottom with two hands and push it upward, in order to finally tilt the board, such that it becomes placed on the support surface 4 of the frame 2.

[0026] Preferably, these extendable parts 16 are situated at approximately 10 to 15 centimeters from the floor, such that there is sufficient space for putting two hands under the board for pushing it upward. The parts 16, for example, are extendable over approximately 2.5 centimeters, however, always maximum the thickness of the legs.

[0027] At the side walls of the different parts A, B, C and D of the frame 2, oblong slots 17 may be provided, through which laths can be provided in order to process these laths.

[0028] On the upper edges of the frame 2, more particularly, thus, on the upper edges of the parts A, B, C and D, preferably measurement notches 18 are provided in order to form a graduated ruler, which offers a large gain in time when cutting sandwich-type gypsum plaster boards to size.

[0029] Of course, such notches also can be provided on the side edges.

[0030] In a preferred form of embodiment, the frame 2 is 2.60 m long and 1.20 m wide, which precisely are the standard dimensions of a sandwich-type gypsum plaster board.

[0031] Starting from this form of embodiment, then, by leaving the parts A and D collapsed in respect to parts B, C, respectively, one can obtain a frame 2 with a length of 1.30 m and a width of 1.20 m. This frame still is movable, on the condition that the working table 1 is ar-

ranged such that the parts A and D of the frame 2, with the legs 6 and 7 attached thereto, are situated at the underside and the parts B and C are directed upward.

[0032] Although the working table 1, in its most preferred form of embodiment, has such dimensions that it is particularly suited for the cutting, sawing or such of standard sandwich-type gypsum plaster boards, it is not excluded that the working table 1 according to the invention also can be applied for processing boards of other materials and/or with other dimensions, or for processing objects with another shape.

[0033] The present invention is in no way limited to the form of embodiment described as an example and represented in the drawings, on the contrary, such working table may be realized in different forms and dimensions, without leaving the scope of the invention.

Claims

1. Working table, in particular for the cutting, sawing or such of boards, more particularly sandwich-type gypsum plaster boards, **characterized in that** it consists of a support structure (2) carried by folding legs (6-7), which structure itself consists of at least two collapsible parts A-D and which defines a support surface (4) in which at least one opening (5) is provided.
2. Working table according to claim 1, **characterized in that** said support structure (2) is a frame.
3. Working table according to claim 2, **characterized in that** said frame (2) consists of four parts (A-B-C-D) which are collapsible in respect to each other.
4. Working table according to claim 3, **characterized in that** each of said parts (A-B-C-D) which are collapsible in respect to each other, in unfolded condition are situated in mutual prolongation.
5. Working table according to any of the preceding claims, **characterized in that** between each of said legs (6-7) and said support structure (2), a reinforcement (12) with a folding part (14) is attached.
6. Working table according to claim 1, **characterized in that** at least one leg (6) of each pair of said legs (6-7) is U-shaped, such that the other (7), in folded condition, fits therein.
7. Working table according to any of the preceding claims, **characterized in that** it is provided with handles (15).
8. Working table according to any of the preceding claims, **characterized in that** said front legs (7)

and/or said rear legs (6), at their exterior, at the bottom are provided with extendable parts (16) with a flat upper surface.

9. Working table according to claim 8, **characterized in that** said extendable parts (16) are situated at approximately 10 to 15 centimeters above the floor and are extendable over approximately 2.5 centimeters. 5
10. Working table according to any of the preceding claims, **characterized in that** wheels (10) are provided at the lower end of said legs (6-7). 10
11. Working table according to claim 10, **characterized in that** said wheels (10) are provided with blocking means (11). 15
12. Working table according to any of the preceding claims, **characterized in that** the support structure (2) comprises side walls in which oblong slots (17) are provided. 20
13. Working table according to any of the preceding claims, **characterized in that** measurement notches (18) are provided at the upper edges of the support structure (2). 25

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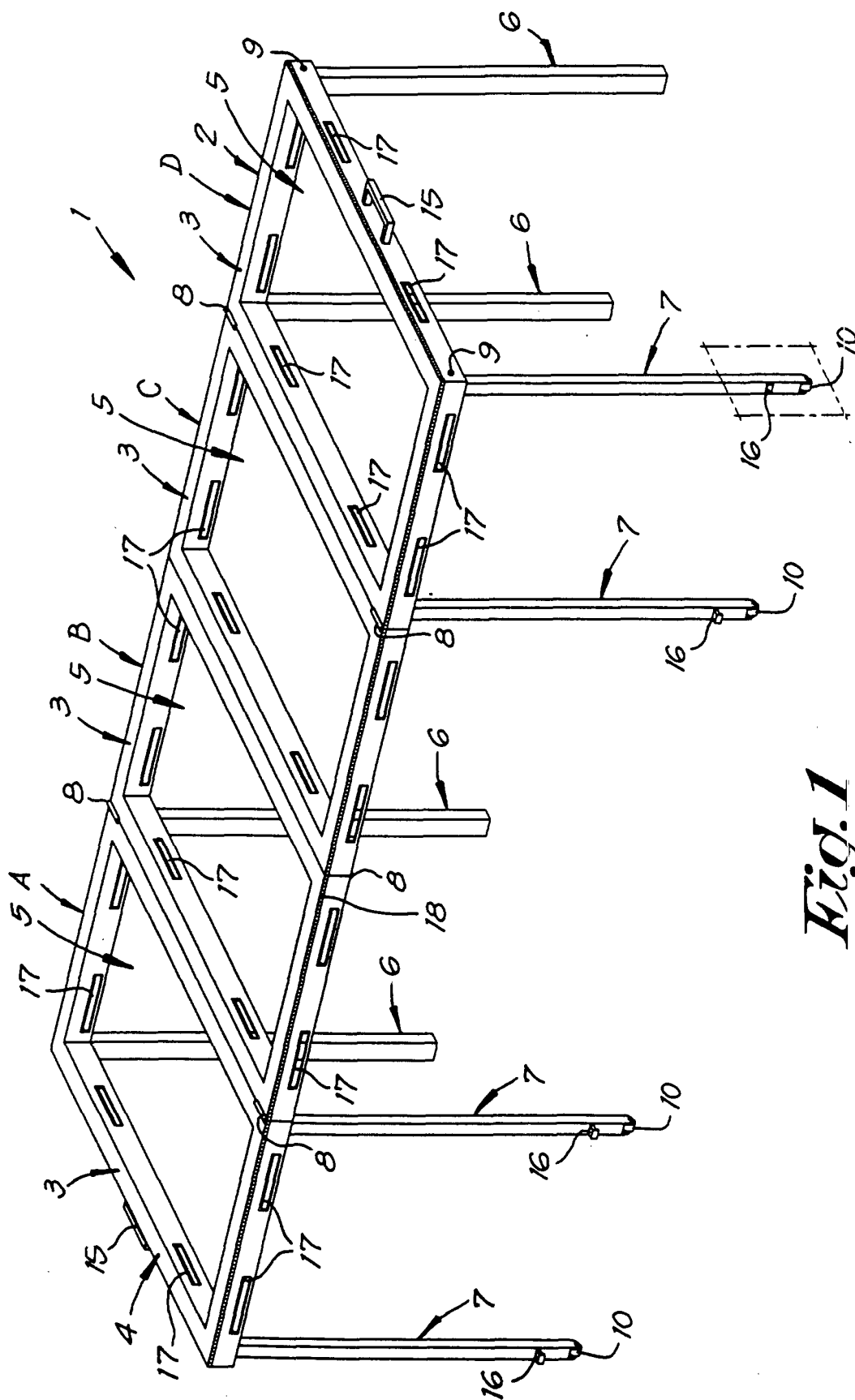


Fig. 1

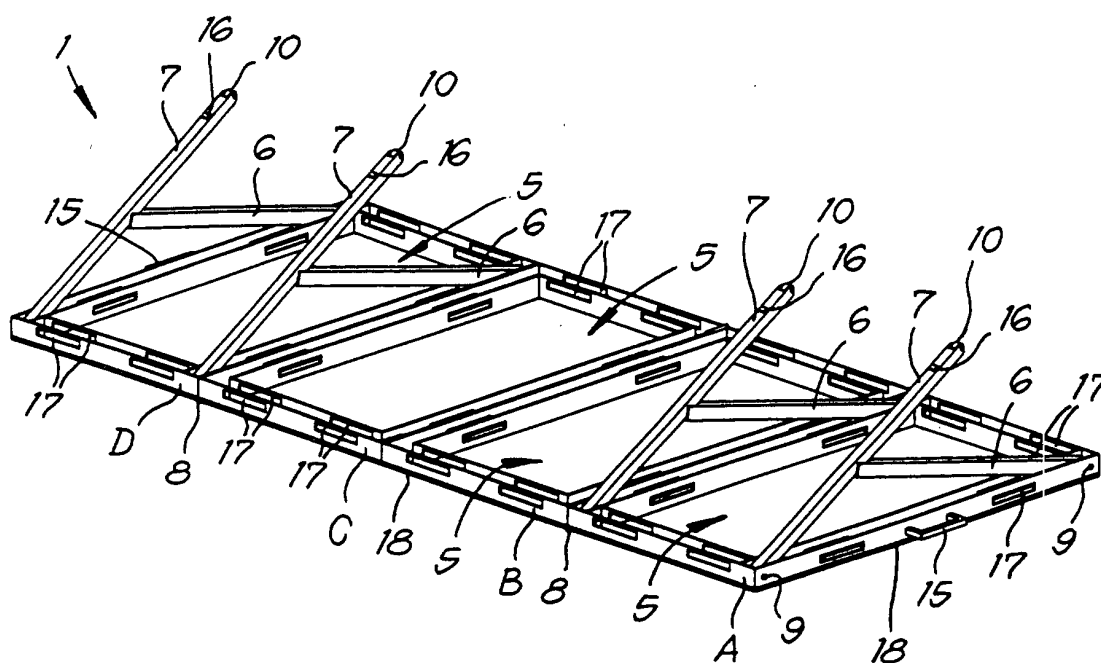


Fig. 2

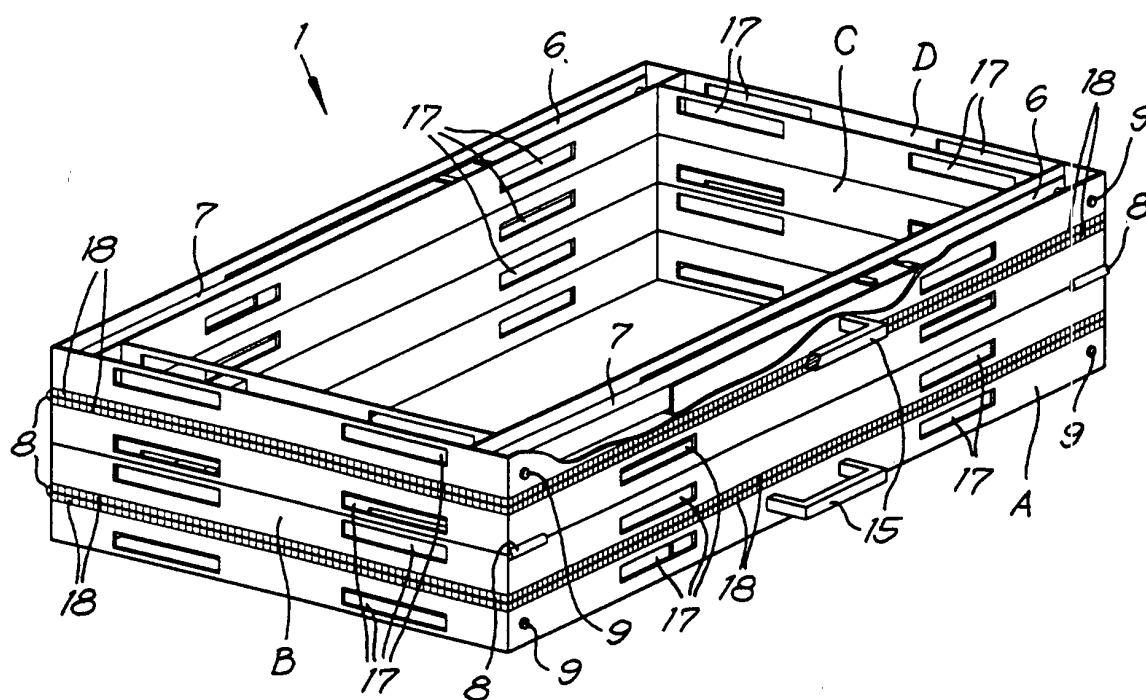


Fig. 3

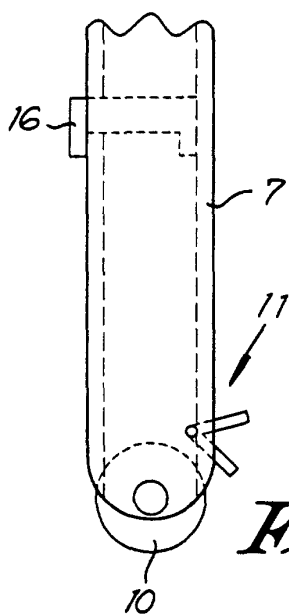


Fig. 4

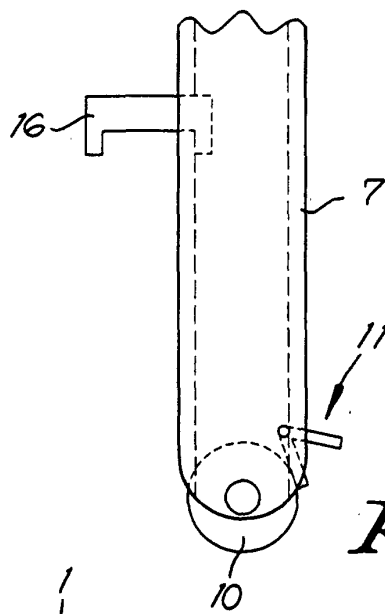


Fig. 5

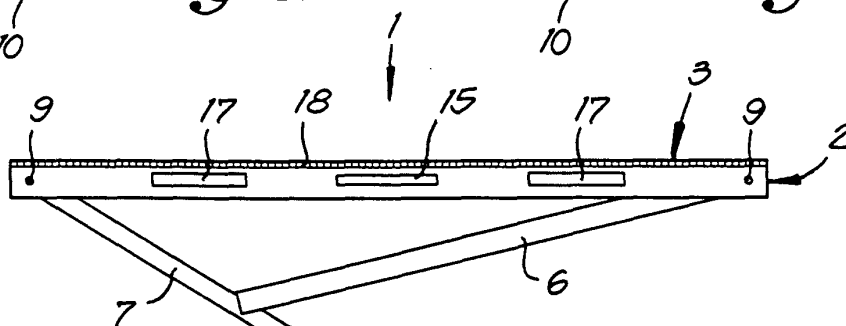


Fig. 6

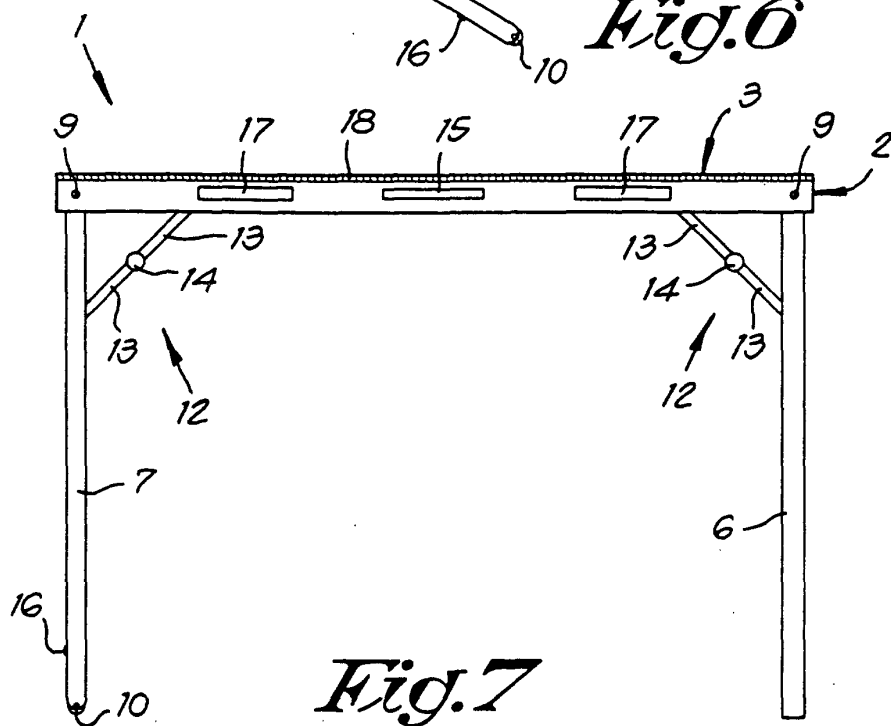


Fig. 7



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 01 20 5174

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 April 2002	Examiner Matzdorf, U
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03 92 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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