Aug. 15, 1950 M. EHRLICH 2,518,983

DETACHABLE FURNITURE AND PACKING CASE

Filed June 23, 1945 2 Sheets-Sheet 1

Fig. 2

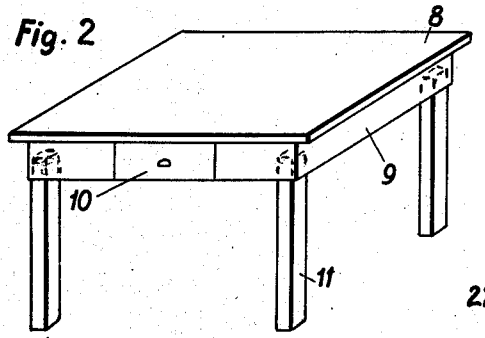


Fig. 3

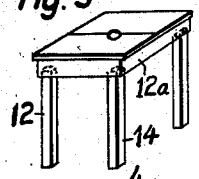


Fig. 4

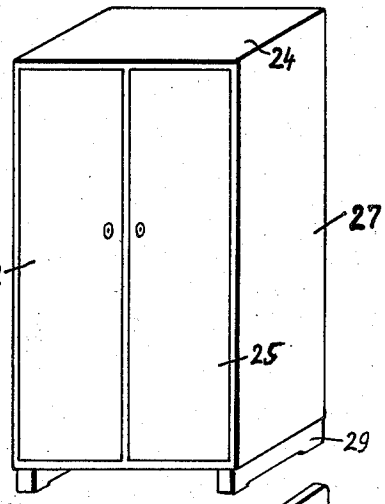


Fig. 1

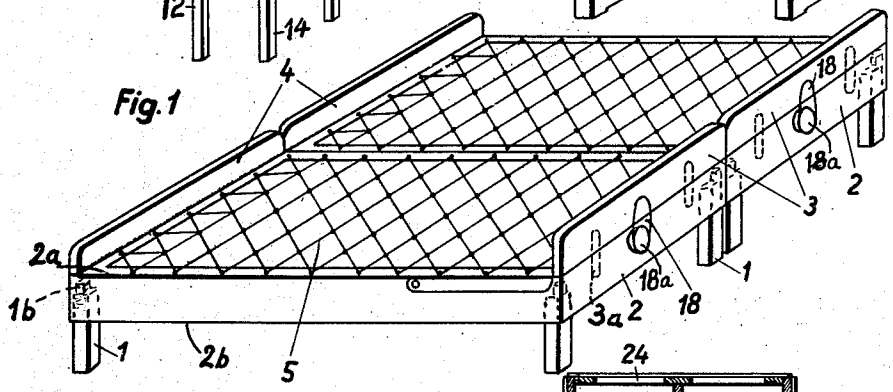


Fig. 5

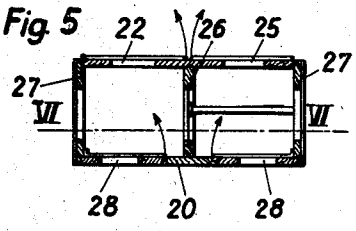
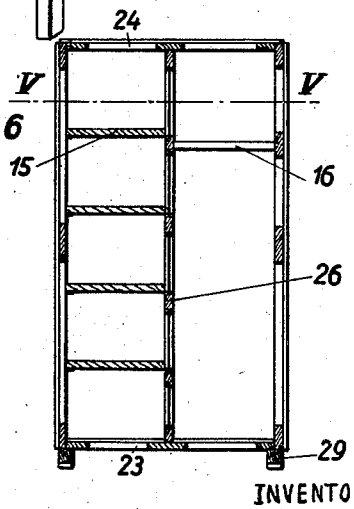


Fig. 6



INVENTOR:
Mauritius Ehrlich
BY Richards & Geier
ATTORNEYS

Aug. 15, 1950 M. EHRLICH 2,518,983

DETACHABLE FURNITURE AND PACKING CASE

Filed June 23, 1945 2 Sheets-Sheet 2

Fig. 7

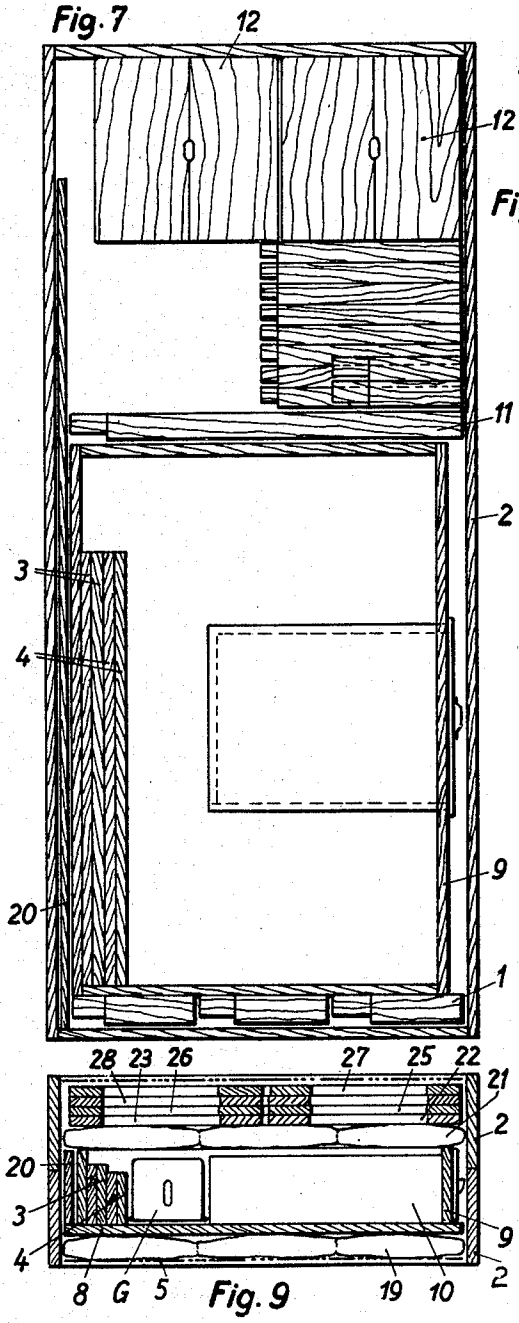


Fig. 9

Fig. 8

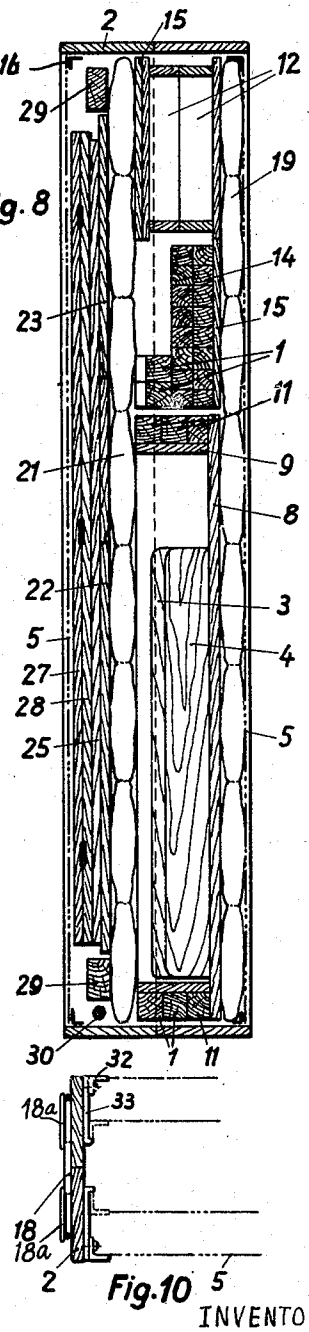


Fig. 10

INVENTOR:
Mauritius Ehrlich
BY Richards & Geier
ATTORNEYS

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DETACHABLE FURNITURE AND PACKING CASE

Mauritius Ehrlich, Zurich, Switzerland

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2 Claims. (Cl. 5—2)

1

This invention relates to a set of furniture, the individual pieces of which are capable of being disassembled and conveniently transported from place to place.

An object of the present invention is to provide furniture of this type which can be made inexpensively on a mass production basis and which can be packed in minimum space.

Another object is the provision of a furniture set which can be conveniently used by campers or by families whose permanent homes have been destroyed.

Other objects of the present invention will become apparent in the course of the following specification.

The objects of the present invention may be realized through the provision of two bedsteads which, when placed one on top of the other and held together by connecting members, form a container, the bottom and top of which are formed by spring mattresses. The space within the container is sufficiently large to receive other disassembled pieces of furniture, such as the feet of the bedsteads, a table with removable legs and at least one drawer, four stools also with removable legs, a dismountable cupboard, and possibly other utensils.

The invention will appear more clearly from the following detailed description when taken in connection with the accompanying drawings showing, by way of example, a preferred embodiment of the invention idea.

In the drawings:

Figure 1 is a perspective view, illustrating two bedsteads set up for use.

Figure 2 illustrates a table.

Figure 3 illustrates one of the stools.

Figure 4 shows the cupboard.

Figure 5 is a section through the cupboard along the line V—V of Figure 6.

Figure 6 is a longitudinal section through the cupboard along the line VI—VI of Figure 5.

Figure 7 shows a partially packed set of furniture.

Figure 8 is a longitudinal section through a disassembled and packed set of furniture ready for transportation.

Figure 9 is a transverse section through the packed set shown in Figure 8.

Figure 10 is a partial sectional view illustrating a somewhat different construction.

Figure 1 shows two bedsteads, consisting of rectangular frames 2 which are supported at the four corners by feet 1. The feet 1 are removably mounted in the frames 2 by means of any

2

suitable members 1*b*. The frame 2 has upper edges 2*a* and lower edges 2*b*.

A removable board 3 is mounted upon a frame 2 by means of pegs 3*a*. A similar board 4 is fitted in the same manner to the opposite end of the bed. Obviously, the board 4 may be dispensed with and then the beds may be used as a couch.

A spring mattress 5 is attached to the upper edges 2*a* of the frame 2. The spring mattress 5 also serves as a cover for the container when the furniture is disassembled.

The end sides of the frames 2 are provided with round knobs 18*a* carrying elastic loops 18, which are used to connect the two frames 2 one to the other, by passing over the knobs of the two frames.

The set of furniture also includes a table top 8, a frame 9 and at least one drawer 10. Legs 11 are removably mounted in the frame 9 by any suitable means not shown in the drawings.

A stool shown in Figure 3 includes a seat 12, a frame 12*a* and legs 14, which are removably mounted in the frame 12*a* by any suitable means not shown in the drawings.

The cupboard shown in Figures 4 to 6 includes two hinged doors 22 and 25, a top 24, a bottom 23, sides 27, a back wall 28 and legs 29.

An inner wall 26 divides the interior of the cupboard into two compartments. One of these compartments is provided with horizontal shelves 15. The other of these compartments may be used for clothes and carries a rod 16.

The entire cupboard consists of separate pieces which are joined by screws or the like and which fit one into the other. Since the manner of disassembling the various pieces of furniture does not constitute the subject matter of the present invention, it is not described in greater detail in the drawing.

The manner of packing the furniture is apparent from Figures 7 to 9. The feet 1 and the boards 3 and 4 are removed from the frames 2 and one of the frames is placed on the floor with a spring mattress downward so as to constitute the base for the container. A sheet of paper is preferably placed upon the spring mattress inside the frame 2 and then a mattress 19 is placed upon it. Then, the table top 8 with the frame 9 uppermost is placed within the frame 2. To one side of the frame 9, are placed six bedstead feet 1 and one table leg 11. To the other side of the frame 9, are placed three other table legs 11. Head and foot boards 3 and 4 are placed within the table frame 9. The rest of

the space within the frame 9 and the drawer 10 may be filled with various kitchen utensils.

A board 20, constituting a part of the back wall 28 of the cupboard, is placed between the frame 9 of the table and a side of the frame 2.

The stools are arranged in pairs, one pair on top of the other pair, upon the mattress 19. It should be noted in this connection that the height of two stool seat frames 12a should not exceed the height of the frame 9.

The four cupboard shelves 15 are placed between the table top 8 and the stool seats 12 upon the mattress 19 and sixteen stool legs 14 and two feet 1 are piled up thereon. The empty space left within the frame 9 and in the stool frames 12a may be filled with various household articles.

Then, the second mattress 21 is spread over the articles and the different parts of the cupboard, including the door 22, the bottom 23 and the top 24, are placed thereon. The second door 25, the partition 26, one side wall 27 and a half of the rear wall 28 are placed one on top of the other. The feet 29 are located at opposite ends of the frame 2 and the rod 16 is placed close to one side. Then, the second frame 2 is placed over the assembly, with the spring mattress on top, and the two frames 2 may be tied one to the other by cords passing over the members 1a and 18.

Figure 10 shows a modified construction wherein each of the frames 2 is provided with angle irons 32 which are slideable in rails 33.

The spring mattress 5 is attached to the angle irons 32. In the portion shown in full lines in Figure 10, the angle irons 32, with the spring mattresses 5, are located close to the outer edges of the frame 2, so that the spring mattresses 5 serve as the top and bottom of the container constituted by the frames 2. The irons 32, however, may be conveniently moved to an innermost portion shown by broken lines in Figure 10. This lower portion is used when the frames 2 are ready for use as bedsteads.

The package shown in Figures 8 and 9 is about forty centimeters in height, two meters in length and ninety centimeters in width. This package can be conveniently loaded upon a truck or may be transported by wheelbarrows or conveniently

carried by two men. The package contains all articles necessary for an emergency home and is particularly suitable for victims of ravished or bombed out areas.

It is apparent that the described set of furniture can be supplemented by further household articles, or replaced by others within the scope of the present invention.

What I claim is:

1. A case for disassembled furniture pieces, comprising two bedsteads, each of said bedsteads comprising a rectangular hollow frame having outer and inner edges, and a spring fabric attached to said frame and located close to the outer edges of the frame to form the bottom of an open container, the sides of which are constituted by said frame, said bedsteads being adapted to be placed one over the other with the inner edges of the frames engaging each other, and means carried by said frames for joining the bedstead frames to form a closed container to receive disassembled furniture pieces.

2. A case for disassembled furniture pieces in accordance with claim 1, wherein each of said bedsteads further comprises means carried by said frame and carrying said spring fabric, said means being movable from a position wherein said spring fabric is located close to the outer edges of said frame to a position wherein said spring fabric is located intermediate the outer and inner edges.

MAURITIUS EHRLICH.

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