Aug. 16, 1966 S. S. FEDER 3,266,843

DEMOUNTABLE CHAIR

Filed June 14, 1965

FIG. 1

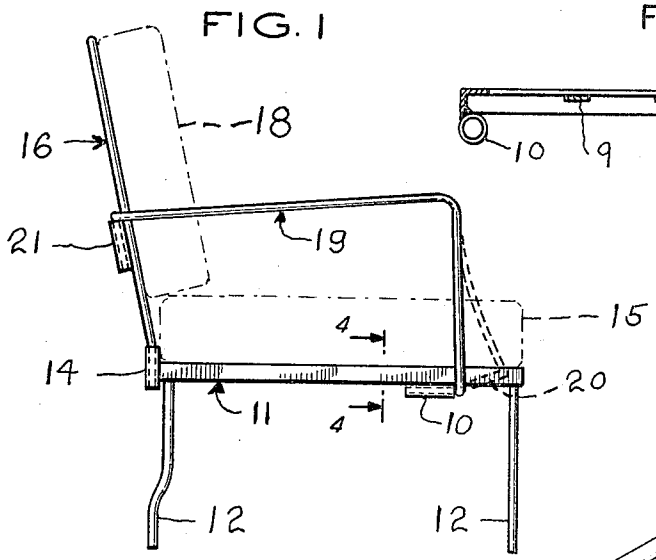
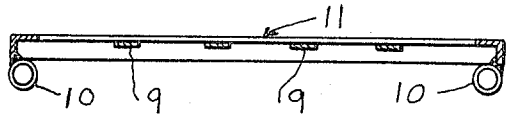


FIG. 4



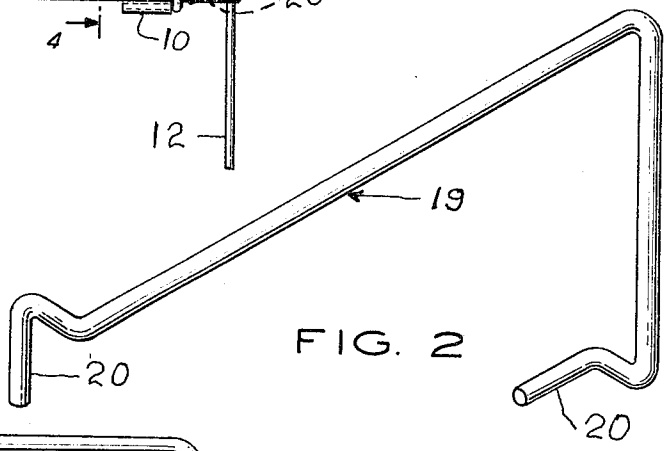


FIG. 2

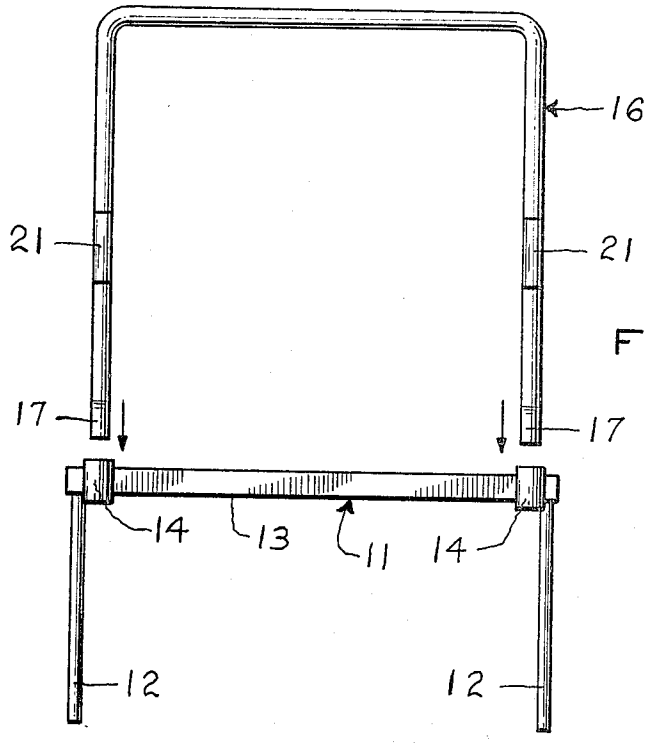


FIG. 3

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DEMOUNTABLE CHAIR

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5 Claims. (Cl. 297—440)

This invention relates generally to demountable chairs, and particularly to such chairs in which the arms clinch the back and base together.

It is an object of the invention to provide a chair which, in unassembled state, may be placed in a compact box for shipment, thereby reducing sale price.

Another object is to provide a chair which is easy for the purchaser to assemble.

Yet another object is to provide a chair whose base and back are locked together in assembled state by an arm.

A still further object is to provide a chair unit readily adaptable to multipart assemblies, as in love-seats, couches, and loungers.

These objects and advantages as well as others may be attained by the device shown by way of illustration in the drawings, in which:

FIGURE 1 is a side elevational view of the demountable chair;

FIGURE 2 is a perspective view of the arm of the chair;

FIGURE 3 is a rear view of the back and seat prior to engagement;

FIGURE 4 is a partial vertical, sectional view taken on the line 4—4 in FIGURE 1.

Assembled chairs are bulky, and costly to ship. It has been found that a demountable chair may be cheaply and easily shipped, with the parts fitted compactly into a sturdy small box.

Referring now to the drawings in detail, there is provided a generally horizontal seat **11**. The seat **11** is a generally rectangular frame made of wrought iron, although many other materials can be used. At the corners of the seat **11**, four legs **12** preferably of metal, are attached by welding or in some other suitable manner. They may be detachable, with any well known securing means (nuts, bolts, etc.) for attaching them to the seat **11**. At the back of the seat, there are a pair of sockets **14, 14** for a back attached to the seat, and adapted to receive a back as hereinafter set forth. A seat-cushion **15** is placed upon the seat **11**, and supported by transverse slats **9, 9** etc.

A back **16** is provided. Its form is an inverted-U preferably of wrought iron. The ends **17, 17** are dimensioned to be inserted in the pair of sockets **14, 14**. A back cushion **18** is placed against the back **16** and rests upon the seat-cushion **15**. The back and seat are, in this form slidably, or loosely, secured together. The seat has arm sockets **10** on opposite sides, at the bottom. The back **16**, likewise has sockets **21, 21** at the rear.

The seat **11** and back **16** are clinched together by an arm **19**, for each side. The arm **19** is preferably made of metal, and is tempered to make it semirigid, and slightly deformable. It is preferred that the arm **19** be resilient, so that the ends may be inserted in sockets. The arm has ends **20, 20**, which are insertable into the sockets **10, 10**. The sockets **21, 21** receive the opposite ends **20, 20** of the arms **19**. Since the arm-sockets **10, 10** on the base **11** are oriented in nonparallel relation to the arm-sockets **21, 21** on the back **16**, either of the ends **20, 20** (whichever is last inserted in the arm-sockets **10, 21**), must be deflected to be inserted in the corresponding socket. In this manner, the semi-rigid arm will normally

clinch the back **16** and base **11** together. The resilient character of the arms **19** permits them to be deflected for end insertion, and also enables the arm **19** to hold the base **11** and back together. The ready assembly of the demountable chair enables it to be shipped demounted in a compact box, to be easily assembled by the purchaser.

While there has been shown in FIGURE 1, dotted lines representing one particular end of the arm **19** deflected for insertion in the socket **10**, it will be understood that the opposite end may also be deflected (not shown) to permit insertion secondly, when the one end has been inserted first in a socket.

The foregoing description is merely intended to illustrate an embodiment of the invention. The component parts have been shown and described. They each may have substitutes which may perform a substantially similar function; such substitutes may be known as proper substitutes for the said components and may have actually been known or invented before the present invention; these substitutes are contemplated as being within the scope of the appended claims, although they are not specifically catalogued herein.

What is claimed is:

1. A demountable chair comprising:
(a) a generally horizontal seat;
(b) a plurality of legs depending from the seat;
(c) a generally upstanding back attached to the seat;
(d) a first arm-socket on the back;
(e) a second arm socket on the seat;
(f) a resiliently deformable arm having its opposite ends inserted in the first and second arm sockets;
(g) the resilience of the arm normally urging the opposite ends thereof into clinching engagement with the said sockets.

2. A demountable chair comprising the article according to claim **1**, and
(a) the insertion axes of the sockets being at least 90°.

3. A demountable chair comprising the article according to claim **1**, and
(a) the first and second arm sockets disposed in nonparallel relation to each other.

4. A demountable chair comprising the article according to claim **1**, and
(a) a pair of sockets on the seat;
(b) the attachment of the back to the seat accomplished by the opposite ends of the back inserted in the pair of sockets.

5. A demountable chair comprising the article according to claim **1**, and
(a) a back cushion and a seat cushion disposed respectively against the back and seat.

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