PATENT SPECIFICATION

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743,383

Date of Application and filing Complete Specification: Nov. 5, 1953.

No. 30685/53.

Complete Specification Published: Jan. 11, 1956.

Index at acceptance:—**Class 52(2)**, W1D.

COMPLETE SPECIFICATION

Improvements in or relating to Stacking Chairs

We, D. SEBEL & COMPANY LIMITED, of West Street, Erith, Kent, a British Company, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The present invention relates to chairs, more particularly stackable rigid chairs, and has for an object to provide an improved stackable rigid chair.

According to the invention, a stackable rigid chair comprises a frame supporting a seat and a back-rest, the said frame being formed of solely two members secured respectively one to the other above the seat, and to the seat.

According to a further feature of the invention, the said chair is provided with arm rests formed by one of said frame members.

Conveniently the said frame members are of substantially U shape, one of the members forming the front legs and the arm rests of the chair, the other U shaped member being inverted to form the rear legs of the chair and supporting the back-rest within the closed end of the member. The free ends of the said one member are pivotally secured above the seat, to the other member intermediate the length thereof as by screws or nuts and bolts for example, and each of the members is secured, also for example by screws or nuts and bolts, to the sides of the seat, the seat thus acting as a brace or stretcher member to form the assembly of the two frame members into a rigid structure. By reason of the said connections of the frame members one to the other and to the seat, the said rigid structure is readily demountable.

One embodiment of the invention will now be described with reference to the accompanying drawings in which:—

Figure 1 is a side elevation, and Figure 2 a front elevation of a stackable rigid chair according to the invention.

As will be seen from the drawings, the chair comprises a pair of substantially U shaped members indicated generally at 1 and 2 respectively. The U shaped member 1 forms the front legs 3 and arm rests 4 of the chair. The U shaped member 2 is assembled in inverted position and forms the rear legs 5 of the chair and supports within its closed end, a back-rest 6. A seat 7 extends between, and is supported upon the members 1 and 2.

Each of the U shaped members 1 and 2 is formed of a length of metal tubing bent to the desired shape. The bridge portion 8 of the member 1 is adapted to rest upon the floor or other surface upon which the chair is placed, and is slightly upwardly bowed as at 9 so that engagement with the floor is limited to two substantially point contacts, one on either side of the chair. The arms of the U shaped member 1 extend upwardly from each end of the portion 8 to form the front legs 3, which legs are secured at their upper end to the seat 7. From the upper end of each leg 3, the said member continues upwardly to form the arm rest 4, the said arm rests being outwardly set from each side of the chair as at 9 to permit stacking of a chair of like construction, and the ends of the member extend downwardly and rearwardly and are secured to the member 2 by means of bolts 10 extending outwardly through the member 2 at each side thereof, and through an aperture in the wall of the corresponding end of the member 1 to receive a nut (not shown) disposed within the said end. The ends of the member 1 are closed by means of domes 11 releasably secured therein in known manner.

The seat 7 comprises a dished metal pressing and each of the legs 3 is secured thereto by a bolt 12 extending through the leg and through an aperture in the corresponding side flange of the seat to receive a nut (not shown). A spacing collar 13 is interposed between the leg 3 and the seat.

The arms of the U shaped member 2 are secured intermediate their length to each side flange of the seat by means of bolts 14 in a similar manner to that in which the member 1

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is secured thereto, and the upper closed portion of the member extends upwardly and rearwardly from the seat 7 as at 15 and supports the back-rest 6. The back-rest is in the form of a flanged metal pressing the flange of which is secured to the member 2, as by pop rivets 16, the said back-rest pressing being dished as at 17 to accommodate the back of a person seated in the chair.

From the seat 7, the arms of the U shaped member 2 extend downwardly and slightly rearwardly from each side of the seat thus forming the rear legs 5 the lower end of each of which is provided with a rubber ferrule 18.

There is thus provided a stackable rigid chair construction comprising the two frame members 1 and 2 and the seat 7 secured together by the bolts 10, 12 and 14, the seat 7 forming a brace or stretcher member between the members 1 and 2. The chair is readily demountable by unscrewing the bolts 10, 12 and 14, and by reason of the outwardly set arm rests 4, the chair is stackable with a chair of like construction.

What we claim is:—

1. A stackable rigid chair comprising a frame supporting a seat and a back-rest, the said frame being formed of solely two members secured respectively one to the other above the seat and to the seat.

2. A stackable chair according to claim 1 wherein the seat forms a brace or stretcher member between the said two frame members.

3. A stackable chair according to claim 1 or 2 and having arm rests formed by one of the said frame members.

4. A stackable rigid chair having a frame comprising solely a pair of substantially U shaped frame members secured intermediate their length to a seat so as respectively to form the front and rear legs of the chair, the member forming the front legs of the chair being adapted to rest with its closed end upon the floor or other surface, the arms of the said member extending upwardly from the seat to form arm rests and being secured to the other of said members above the seat the arms of the other of said members being adapted to rest at their ends upon the floor and the closed end of the said other member extending upwardly from the seat to support a back-rest.

5. A stackable rigid chair according to claim 4 wherein the said members are secured one to the other and to the seat by means of nuts and bolts.

6. A stackable chair according to claim 4 or 5 wherein the arms of the first mentioned U shaped member extending upwardly from the seat of the chair are outwardly set from each side of the seat to permit stacking with a chair of like construction.

7. A stackable rigid chair substantially as hereinbefore described with reference to the accompanying drawings.

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Leamington Spa: Printed for Her Majesty's Stationery Office, by the Courier Press.—1956.
Published at The Patent Office, 25, Southampton Buildings, London, W.C.2, from which copies may be obtained.

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