Sept. 18, 1934. C. F. STREIT 1,973,916

CHAIR

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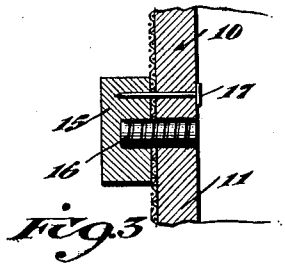
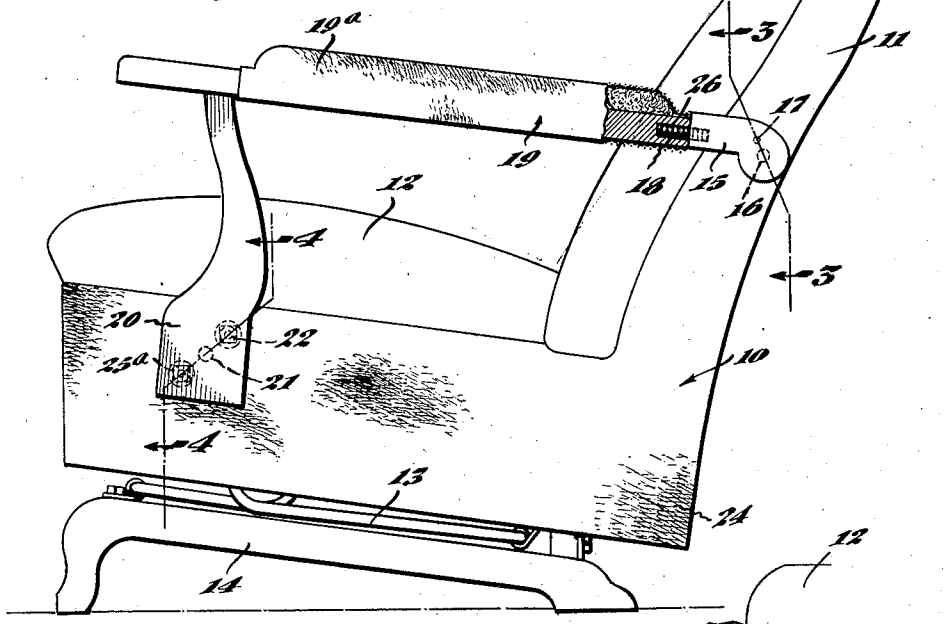


Fig. 3

Fig. 1



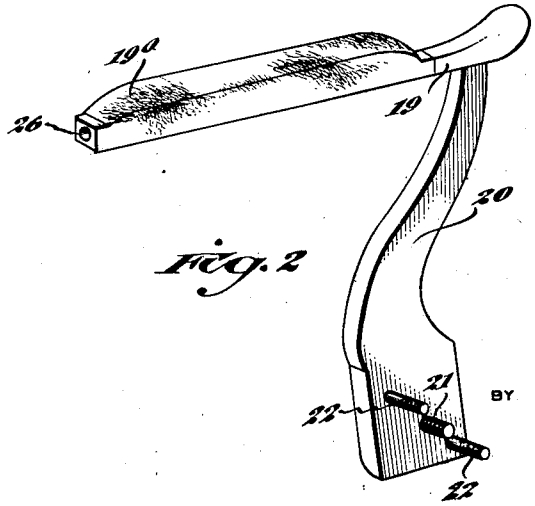


Fig. 2

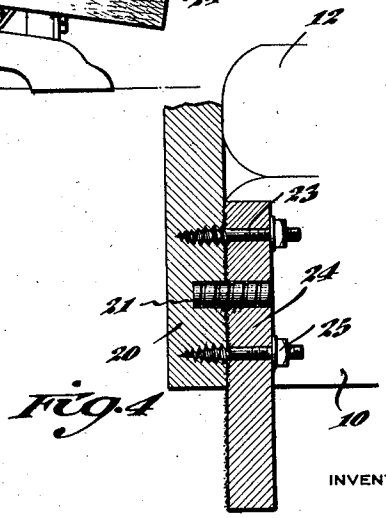


Fig. 4

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CHAIR

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1 Claim. (Cl. 155—198)

This invention relates to chairs and is particularly directed to the fabrication and arrangement of a chair structure wherein certain parts may be conveniently demounted for purposes of shipping and storage. In the class of upholstered chairs, to which the present structure is largely applicable, the structures are rather massive and bulky and it is highly desirable, from the standpoint of interfitting the chairs for saving space during shipping and storage, that the arms be removable. It is conventional practice to fully upholster the chairs at the plant and it will be observed that a problem of construction is presented by demand for demountable arms since the arms which necessarily include some upholstery, must be related and fitted to the upholstered chair frame in such manner as not to destroy the embellished appearance of the finally assembled product nor require any upholstering operation after attachment of the arms.

It is, therefore, an object of the present invention to provide a chair in which the respective arms are demountable and quickly and conveniently attachable to the chair frame and firmly mounted in position of permanence and stability.

Other objects and certain advantages relate to the particular means for firmly attaching the arms in place, which objects and advantages along with certain other objects and advantages will be more fully apparent from the description of the accompanying drawing, in which:

Figure 1 is a side elevation of the improved chair, a portion of the chair arm being broken away to illustrate a connection element for attaching the same to the chair frame.

Figure 2 is a perspective view of an arm showing it removed from the chair.

Figure 3 is an enlarged sectional view taken on line 3—3, Figure 1, illustrating the attachment of the support portion of the arm to the frame.

Figure 4 is a sectional view taken on line 4—4, Figure 1, illustrating the connection of an arm attaching element to the frame.

The chair in which the present improvement is incorporated is of that type having a unitary seat and back wherein the upholstery completely covers the unitary structure. This unit is mounted upon any type of support means disposed on a base. The arms are furnished as units including a support or vertical post and the arm proper, these units being shipped from the factory in assembled form with the upholstery in place and the attaching elements included in the arm units.

Referring to the drawing, the unitary seat and back is generally indicated at 10. The back 11 is inclined in the usual fashion relative to the seat 12. The cushions may be removable or built into the unitary frame structure. The general framework of the unitary seat and back is of wood as disclosed and is entirely covered with upholstery and cloth. This unit is supported on a well known form of spring structure 13 permitting rocking of the unitary seat and back, the spring structure being mounted on a base 14.

It will, of course, be understood that the present demountable arm construction can be conveniently applied to any type of chair and the rocking chair type is only disclosed as one environment or example of utility of the invention.

Intermediate of the length of the back 11 of the chair and at each side, attaching elements 15 are secured thereto. Each attaching element consists of a body portion of a contour fitting the style of the chair and mounted upon a dowel pin 16 protruding from the side of the chair being glued thereon after the usual dowel connection practice. A nail 17 is driven outwardly through the frame member of the chair into the attaching element to prevent rotation on the dowel pin. Each attaching element includes a forwardly extending dowel pin 18. The dowel pins 18 do not extend beyond the forward face of the chair back and are a permanent fixed part of the chair not included in the arm units herein described.

Each chair arm unit includes an arm proper or rest 19 which has its forward end supported on an arm post or support element 20, these parts being curved to fit the style of the chair. The arm includes upholstery 19^a arranged so as not to interfere with the detachability of the arm unit.

The arm support element includes a lower or attaching portion having a dowel pin 21 extending outwardly therefrom and toward the chair when in position. At diametrically opposite sides of the dowel pin, attaching screws 22 are mounted being screwed into the chair arm support and included as a part of the arm unit. The chair frame at each side thereof includes drilled holes 23 in its side rails 24 positioned to correspond to the positions of the dowel pin and screws and fitting the same, the screws, when in position, extending entirely through the side rails of the chair seat for the application of nuts 25.

It will be seen that when the arm units are removed, there is no projection into the region or angle between the seat and back. For this reason it is possible to nest the unitary seats and backs for shipping with the under parts removed or in place.

In assembling or mounting the arm units, each one is shoved back on its respective dowel pin, there being a drilled hole 26 in the rear end of each arm engaging the particular dowel pin 18. The forward end of the arm unit and the lower end of the support is then moved toward the side frame forcing the dowel pin 21 and screws 22 into their respective drilled holes, and the nuts 25 are thereupon applied by manipulation through the space beneath the chair structure.

Glue may be used on the dowel pins of the attaching element if desired, this, however, being arbitrary since the tightening of the forward devices firmly anchors the arm units in position of stability. The dowel pins are spirally grooved for pocketing the glue and permitting the application of a greater quantity into the connection for a positive permanent attachment.

The unitary seat and back is completely covered with upholstery and cloth and the attaching elements may be readily secured in position without disturbing the cloth covering. The demountable arm is also attachable without disarrangement of the upholstery or cloth or without necessitating removal or displacement thereof. The arm units are readily and efficiently applied to the chair by the dealer after shipment without the use of glue or other attachment means which it is inconvenient for the dealer to have and apply.

Having described my invention, I claim:

In a chair, a unitary upholstered and completely cloth covered seat and back, arm units including arm rests and supports, a fastening element at each side of the back, said elements fastened over the cloth and upholstery and including studs projecting forwardly, said elements being clear of the angle between the seat and back, the rests of said arms including sockets at their rear ends adapted to fit upon the respective studs, fastening elements extending inwardly in the lower end of each support, the seat of said unitary seat and back including bores in its sides for receiving said fastening elements, whereby a chair is provided which is fully upholstered and which can be shipped stacked one within the other without interference by the arm attaching means and to which the arm rests may be attached after shipment without disturbing said cloth covering and upholstery.

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