Nov. 21, 1950 J. S. COHEN 2,531,322

DETACHABLE CHAIR BASE

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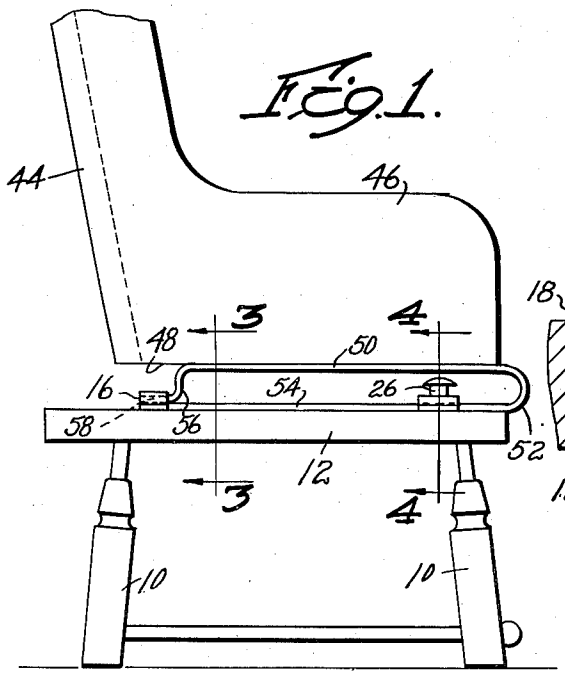


Fig. 1.

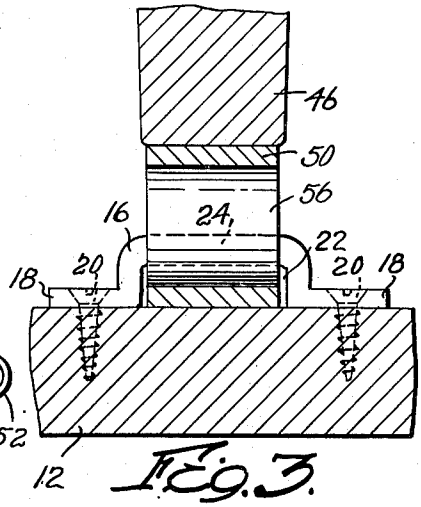


Fig. 3.

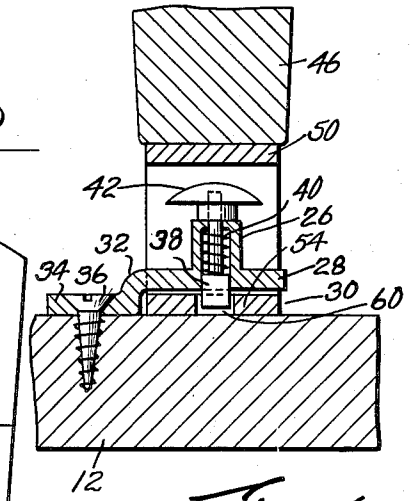


Fig. 4.

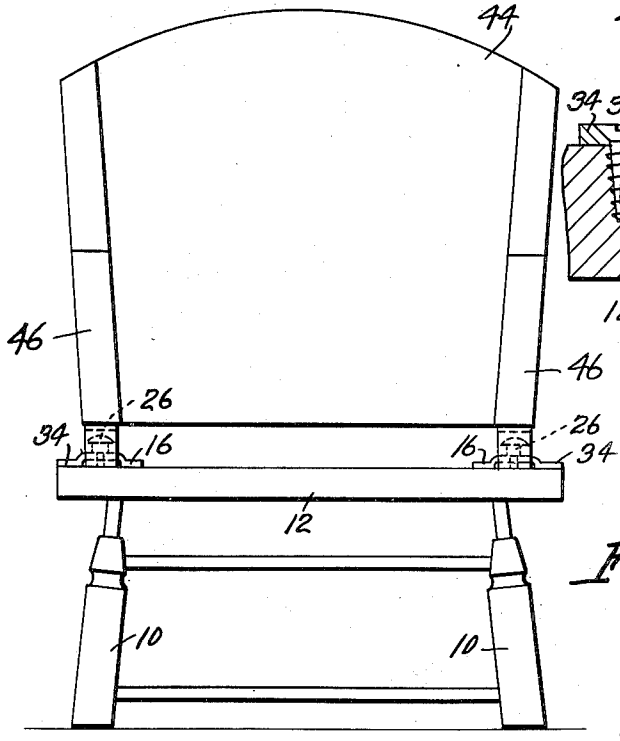


Fig. 2.

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DETACHABLE CHAIR BASE

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6 Claims. (Cl. 155—39)

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This invention relates to chairs and seats and detachable back and arm rests therefor so that the chair or seat, as a base, may be quickly and easily attached to or detached from its back and arm rest.

The invention may include a plain base for an ordinary chair or the like, or a high chair base or convertible high chair base, etc., the back and arms being a separate unit from the chair base and being easily and quickly detachable therefrom.

The objects of the invention include the provision of a chair seat base and a detachable chair back and arm unit therefor, the arms having secured thereto attaching means for cooperation with holding and latching means on the chair seat base to secure the chair back and arms in position thereon.

A further object of the invention resides in the provision of a chair base having a seat on which are secured holding and latching means for the secure reception of rails or the like detached to and extending along the bottoms of arm rest pieces secured to a back rest for the chair so that the back rest and arms are easily and quickly attachable to and detachable from the seat of the chair base.

Other objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawings in which

Fig. 1 is a view in side elevation illustrating the invention;

Fig. 2 is a view in front elevation thereof;

Fig. 3 is an enlarged section on line 3—3 of Fig. 1; and

Fig. 4 is an enlarged section on line 4—4 of Fig. 1.

As shown in the drawings, there is provided a seat base having legs 10 of any desired construction or configuration, these legs supporting a seat member 12 which in turn may be of any desired configuration. The legs 10 may comprise the upper part of a convertible high chair or may comprise merely the upper parts of the legs thereof or of a known convertible high chair or of any chair or the like lending itself to the present invention.

Toward the rear of the chair seat 12 there are provided a pair of bent straps 16 more clearly shown in Fig. 3, said straps each comprising portions thereof 18 which are adapted to lie flatly on the top surface of the chair seat 10 and to be attached thereto by means of screws or the like 20. Between the screws 20 the strap 16

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is bent to rise, as is clearly seen in Fig. 3, so as to leave an enlarged opening 22 between the top run of the strap 24 and the top surface of the chair seat 10.

Toward the front of the chair seat there are provided a pair of spring pressed fasteners generally indicated at 26. These comprise flat plates 28 open as at 30 at the inside aspects thereof and bent as at 32 to be spaced from the top surface of the chair seat 10. The plates terminate in horizontal flat portions 34 for the reception of screws 36 to attach the same to the chair seat.

Each plate 28 is provided with a barrel in which is mounted a spring pressed plunger 38 pressed downwardly by means of a spring 40 and having a thumbpiece 42 to manually retract the same.

The chair back rest is generally indicated at 44 and is provided with a pair of upwardly extending arm portions 46 each of which has a straight lower edge 48 to which is secured an elongated strap 50 extending forwardly of the front end thereof and bent down around as at 52 into a straight parallel but spaced run 54. The opposite end of the elongated strap 50 is also bent down as at 56 to provide a pair of ends indicated at 58 for slipping into the aperture 22 of the bracket 16, by which means the rear end of the back and arm rest device is held firmly to the chair seat 12.

Spaced from the ends 58, the lower run 54 of the strap 50 is provided with apertures 60 which receive the plungers 38 for latching the strap 50 to the chair seat 12. It is to be noted that the plates 28 are open sided at the inner facing aspects thereof and when the thumbpieces 42 are raised so as to remove the plungers 38 from the apertures 60, the arms 46 may be slightly squeezed together so that the bottom run 54 of the strap 50 is removed from under the plate 28 and thereupon the ends 58 may be slipped out of the bracket 16 and the entire device removed from the chair seat 12.

It will be seen that this invention provides a relatively simple and yet ornamental construction for detachably securing a back and arm rest device to a chair seat and the same is relatively inexpensive to manufacture and easy to operate.

Having thus described my invention and the advantages thereof, I do not wish to be limited to the details herein disclosed otherwise than as set forth in the claims, but what I claim is:

1. A device of the class described comprising a chair seat and a detachable back and arm rest assembly, a latch and a bracket located in spaced relation on the seat, and a strap on the back and

arm assembly, said strap having an end insertable in said bracket and an aperture to receive the latch for detachable securement of the back and arm assembly to the seat.

2. The combination of a chair seat and a detachable back and arm rest assembly, comprising a pair of spaced brackets and a pair of spaced latching plungers on the seat, an elongated strap secured to the bottom of each arm rest and extending therealong, said straps being bent to underlie the arm rests in spaced relation thereto and having free ends thereon for slipping into the brackets, and an aperture in each strap for receiving a plunger.

3. A chair or the like comprising a seat and a back and arm rest unit, the latter being detachably secured to the former, an elongated strap secured to each arm rest and having a free end and an aperture spaced from the free end, a bracket on the seat for each strap arranged to receive the free ends thereof, and a yielding latch for engagement with each aperture, the latter being spaced from the free ends of the straps a distance insuring retention thereof when the latches are in latching condition.

4. The chair of claim 3 wherein the straps are movable toward each other when unlatched sufficient to disengage the same from the latches.

5. A chair or the like comprising a seat, a pair of brackets adjacent the rear edge thereof, each bracket presenting an aperture facing forwardly, a yielding latch for each bracket in spaced relation to each other and arranged on the seat adjacent the forward edge thereof, a pair of connected arm rests, a strap on each arm rest, means holding the straps in spaced relation to the armrests, each strap having an aperture for receiving the respective latches, and each strap having a free end for insertion in a bracket aperture.

6. The chair of claim 5 including a plate for mounting each latch, said plates being secured to the seat and rising therefrom to allow insertion of the strap thereunder, the raised portions of said plates being open of access laterally thereof.

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