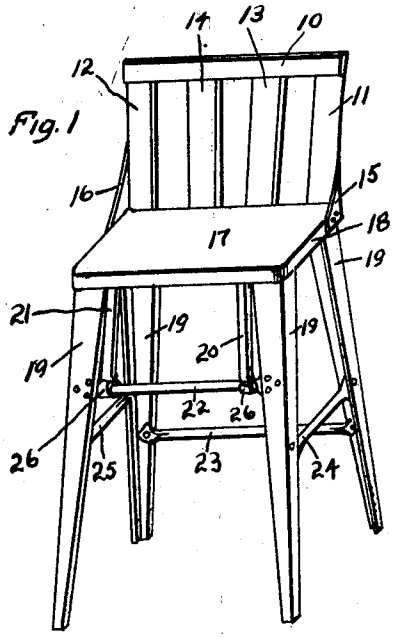
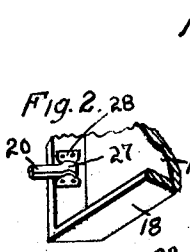
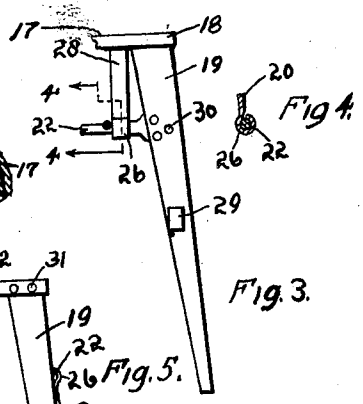
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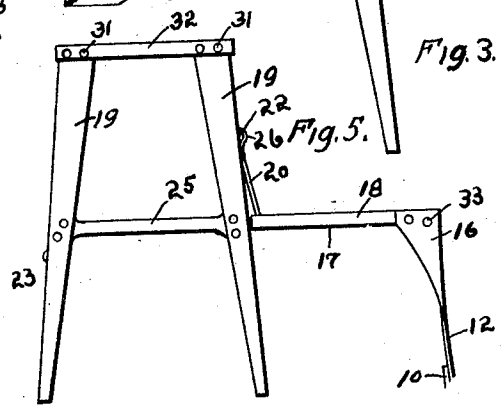
CHAIR

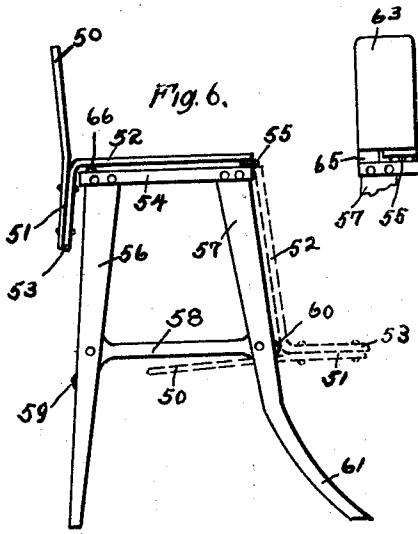
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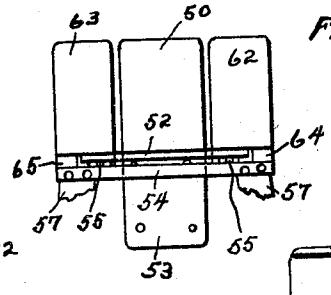


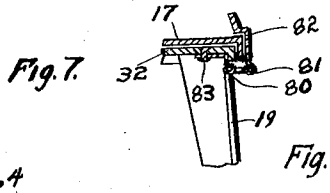



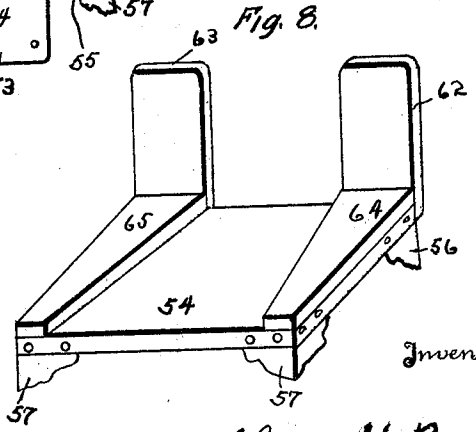




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1,827,418

# UNITED STATES PATENT OFFICE

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## CHAIR

Application filed October 10, 1929. Serial No. 398,615.

This invention relates to a chair of the type which is capable of being converted into a stepladder and has for its object to provide such a chair which will be simple in construction, easy to manufacture, consist of comparatively few parts and in use be capable of supplanting three devices which may be found in many homes, namely, kitchen stool, stepladder and baby's high chair.

A further object of the invention is the provision of such a device having means whereby the seating surface will not be soiled by use as one of the steps and whereby the back rest serves a useful function in both the chair and stepladder positions of the device.

Other objects and advantages will become apparent as the specification proceeds.

For further comprehension of the invention reference is had to the accompanying drawings wherein like numerals refer to corresponding parts in the several figures.

Figure 1 is a perspective view of the preferred form of my invention in chair forming position.

Figure 2 is a detail perspective view of a portion of the seat member showing a method of attaching the connecting links.

Figure 3 is a fragmentary elevation of the device of Figure 1 with the back rest removed.

Figure 4 is a section on line 4—4 of Figure 3.

Figure 5 is a side elevation of the device of Figure 1 in stepladder forming position.

Figure 6 is a side elevation of a modified form of my invention having the parts 62 63 64 65 omitted.

Figure 7 is a fragmentary front elevation of the device of Figure 6.

Figure 8 is a fragmentary perspective view of the device of Figure 6 with the movable member omitted.

Figure 9 is a detail view of a latching mechanism.

The preferred form of my invention, illustrated in Figures 1 to 5 inclusive, and 9 comprises a stool portion made up of legs 19, a top 32 to which the legs 19 are attached as by rivets 31, rungs 22 23 24 25 to brace said legs and give rigidity to the stool, and any suitable feet such as rubber pads or the like (not shown). Superposable upon the stool portion is a movable member 17. The numeral 17 is used to indicate the movable member generally and the seat portion thereof specifically. Side members 11 12 are attached to the seat 17 at the rear edge and braced by the parts 15 16 formed integrally therewith. Intermediate members 13 14 are attached to the rear edge of the seat member 17 between the side members 11 and 12. A transverse member 10 is attached to the upper ends of the members 11 12 13 14. The rung 22 is attached to the legs 19 at a point which is a distance below the top substantially equal to one half the difference between the heights of the stool and back rest. The rung 22 is provided at each end with a shoulder as shown in Figure 3. Links 20 21 connect the rung 22 with the front edge of the seat 17. The seat 17 may be a flanged construction as indicated in Figure 2. The link 20 may be attached to the member 17 by bending the end thereof as at 27 around a suitable attaching member as 28. The link 20 is attached at its other end in a similar manner to the rung 22. Member 29 is a buffer against which the member 17 rests when in stepladder forming position.

My invention further contemplates the use of a latching mechanism for holding the parts in chair forming position. A suitable form of latch is shown in Fig. 9, in which 80 is a spring hinge exerting a downward pressure on the hinge 81. The surface 17 is bent slightly upward at the extreme edge to cooperate with a downwardly tipped latching portion of the member 82. The spring hinge 80 is secured to the under surface of the member 32 as by a rivet 83. The result of this construction is that when the latch is released it will swing to a position under the stool portion and be out of the way and not likely to tear clothing or annoy the user of the chair. The hinges 80 and 81 are joined by a sheet metal strip which preferably forms a part of each.

A modification of my invention very similar to that shown in Figs. 1 to 5 and 9 and described in connection therewith, can be con-

structed of wood instead of sheet metal as shown. In such case it will be desirable that the members corresponding to 17 and 32 do not nest but be simply superposed, and that the link 20 be provided at its upper end with a pintle and a short hinge leaf attached to the forward edge of the seat member or to the under surface of the seat near the forward edge. Either the seat will project beyond the front of the stool portion or such stool portion will be slotted to receive the upper ends of the links 20, 21.

The modified form of my invention, shown in Figures 6, 7 and 8, is likewise composed of a stool portion and a movable member. The stool portion includes rear legs 56, front legs 57 having a forwadly extending lower end 61 to extend the supporting area of the stool portion to the forward edge of the step, rungs 58 59 60, a top portion 54 to which the legs are attached, partial seat members 64 65 fixed to the top 54, and partial back rest members 62 63 fixed to said members 54 64 65 at a slight rearward inclination. The movable member includes a seat portion 52 hinged at 55 to the front edge of the stool portion and having a downwardly bent part 53 which in the stepladder forming position serves as a step, as shown in dotted lines in Figure 6. The back rest member 50 is secured to part 53 as by rivets passing through the lower end 51 thereof. The part 52 is shaped to fit snugly between the partial seat members 64 and 65 and the back rest 50 is of a width to fit between the partial rest members 62 and 63. In the stepladder forming position the members 50 and 52 embrace the rung 60. Buffer members 66 of a thickness equal to that of the hinge 55 are provided to support the seat 52 flush with the members 64 and 65.

It will be apparent from the foregoing that I have provided a simple, durable and convenient combination of chair and stepladder which should be very useful particularly in small houses or apartments where space is limited.

It will be understood that this specification is merely illustrative and that the invention is defined by the subjoined claims.

What I claim is:

1. In a device of the character described, a stool portion, a movable member operatively connected thereto and including a seat portion and a back rest portion, said device including means whereby said movable member provides in one position a seat and in another position a step below the top of said stool portion.

2. The invention defined in claim 1 wherein further in the second mentioned position of said movable member said step is substantially midway between the top of said stool portion and the bottom thereof.

3. In a device of the character described, a stool portion, a movable member including a seat portion and operatively connected to said stool portion, said device including means whereby in one position of said movable member it provides a lower step and said stool portion provides an upper step and in another position of said movable member it provides a seat and covers a portion of said step, said lower step being superposed upon said upper step in the second mentioned position.

4. The invention defined in claim 1 wherein further said seat portion and said back rest portion are rigidly connected.

5. The invention defined in claim 1 wherein further in the second mentioned position of said movable member means is provided whereby said back rest portion functions as a step supporting means.

6. In a device of the character described, a stool portion, a seat portion superposable thereon, a back rest portion rigidly attached to one edge of said seat portion, link means attached to said seat portion at another edge thereof and pivotally attached to said stool portion at a point below the top thereof.

7. The invention defined in claim 6 wherein further said link means is connected to said seat portion at the edge opposite that at which said back rest is connected.

8. In a device of the character described, a stool portion, a seat portion superposable thereon, a back rest portion rigid with said seat portion, link means attached at one end to said seat portion, said link means being pivotally attached at the other end to said stool portion at a point below the top thereof, said point being a distance below the top of said stool portion substantially equal to one half the different between the heights of said stool portion and said back rest.

9. The invention defined in claim 6 wherein further said link means is pivotally attached to said seat portion.

10. In a device of the character described, a stool portion including outwardly flaring legs, a seat portion superposable thereon, a back rest rigidly attached to said seat portion, link means pivotally attached at one end to said seat portion and pivotally attached at its other end to said stool portion, said device including means whereby in one position of said seat portion the lower end of said link means is positioned outwardly of the upper end thereof and said seat portion rests against two of said outwardly flaring legs.

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