No. 882,316. PATENTED MAR. 17, 1908.

J. M. HORTON.

TAKE-DOWN CHAIR.

APPLICATION FILED OCT. 22, 1906.

3 SHEETS—SHEET 1.

Fig. 1.

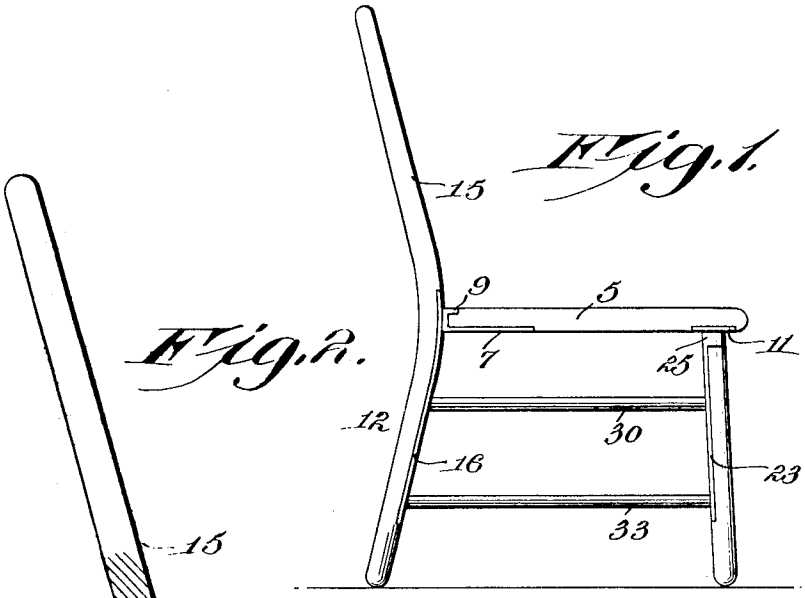


Fig. 2.

Fig. 3.

Fig. 4.

Witnesses

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3 SHEETS—SHEET 2.

FIG. 5.

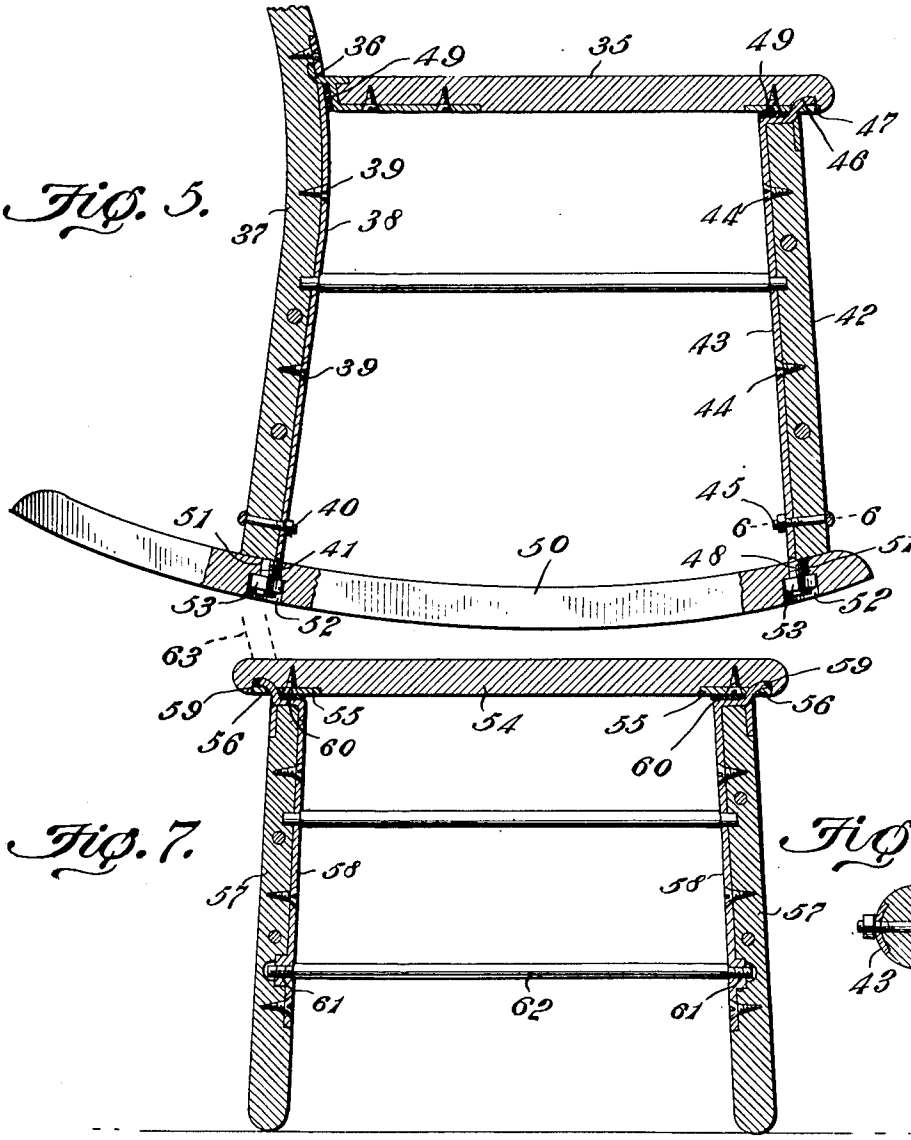
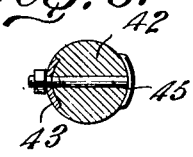


FIG. 7.

FIG. 6.



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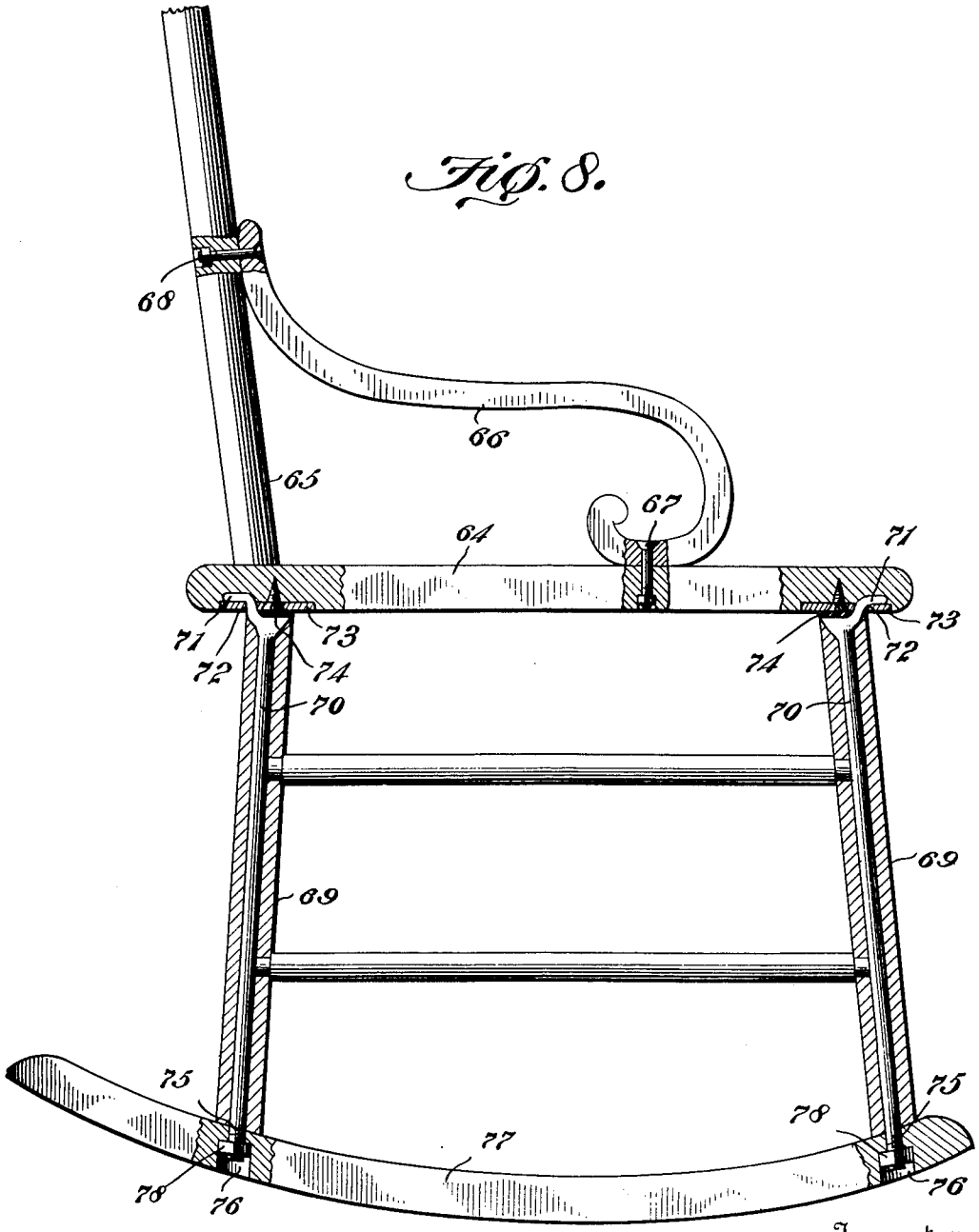
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3 SHEETS—SHEET 3.

Fig. 8.



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UNITED STATES PATENT OFFICE.

JOSEPH M. HORTON, OF ARCATA, CALIFORNIA.

TAKE-DOWN CHAIR.

No. 882,316. Specification of Letters Patent. Patented March 17, 1908.

Application filed October 22, 1906. Serial No. 340,001.

To all whom it may concern:

Be it known that I, JOSEPH M. HORTON, a citizen of the United States, residing at Arcata, in the county of Humboldt and State of California, have invented a new and useful Take-Down Chair, of which the following is a specification.

This invention relates to chairs or other analogous articles of furniture that can be readily dismembered, so that they will occupy but little space, for storage or transportation purposes, and the principal object is to provide an exceedingly simple structure of a novel nature that can be readily folded into a compact form, and is readily set up, said chair when in the latter position being strong, fully braced, and not liable to accidental collapse.

Several embodiments of the invention are illustrated in the accompanying drawings, and are described in the following specification. An inspection of the claims will clearly show that the invention is not limited to these particular forms.

In the drawings:—Figure 1 is a side elevation of the chair. Fig. 2 is a vertical sectional view therethrough on an enlarged scale. Fig. 3 is a detail sectional view of a slightly modified form of connection between the seat member and rear leg member. Fig. 4 is a detail sectional view, showing another embodiment of the tie device between the leg members. Fig. 5 is a vertical sectional view through a rocking chair, constructed in accordance with the present invention. Fig. 6 is a sectional view on the line 6—6 of Fig. 5. Fig. 7 is a vertical sectional view of a stool Fig. 8 is a view partially in section of a rocking chair, showing another embodiment of the invention.

Similar reference numerals designate corresponding parts in all the figures of the drawings.

Referring to the embodiment illustrated in Figs. 1 and 2, a seat member 5 is employed that may be of any well known form, and is provided at its rear corners with rearwardly and upwardly extending hooks, one of which is shown at 6. These hooks are each carried by a strip or plate 7 fastened to the underside of the seat member by screws 8, and having an upturned portion 9 that embraces the rear end of the member. The front corners of the seat member are provided with sockets 10, partially covered by plates 11, suitably secured in place.

A rear leg member 12 is formed of the usual rear legs, one of which is shown at 13, said leg being connected by rounds indicated at 14, and carrying a suitable upstanding back 15. The rear legs are each provided with a locking element, in the form of a metallic strip 16, seated in and secured to the front side of the leg by fasteners 17, the upper end of the strip having a socket 18, and the lower end being provided with a thickened portion 19 having a screw threaded opening 20 therethrough. The front leg member consists of the usual front legs, one of which is shown at 21, connected by rounds indicated in dotted lines at 22. The legs 21 are each provided with a strip 23, secured to the rear side of the same by screws or other fasteners 24, and having at their upper ends caps 25, that carry upwardly and forwardly extending or offset hooks 26. These hooks are arranged to pass through the retaining plates 11. The lower end of the strip 23 has a thickened portion 27, provided with a screw threaded opening 28 therethrough.

Cushions 29 are preferably located in the joints between the seat and leg members, being interposed between the ends of the strips at one side of the hooks and the socket plate, said cushions being compressed between the plates. Upper rounds 30, extending between the front and rear leg sections, have reduced terminals 31 that detachably engage in sockets 32, formed in the strips 16 and 23, and lower rounds 33 are provided with oppositely threaded terminals 34 detachably threaded into the sockets 20 and 28.

In setting up the chair, the hooks 6 of the seat member are first engaged in the upper sockets 18 of the rear leg member, and said seat member is brought to a substantially horizontal position. The hooks 26 of the front leg member are then engaged in the sockets 10 of the seat members, the rounds 30 are placed in position, and the front and rear leg members, are then tied together by the lower rounds 33. When so set up, the chair is very strong and rigid, and is not liable to accidental collapse. The cushions 29 prevent the rattling of the parts, and the chair is capable of being used in the ordinary

manner. When it is desired to collapse the same, it is only necessary to detach the rounds 33, whereupon the leg members may be relatively moved in order to detach them from the seat member, and thus the structure can be compactly folded, so that it will occupy but little space.

Fig. 3 shows a slightly different form of a connection between the seat member and the rear leg member, the leg member being designated by the reference numeral 35, and is provided with the usual plate 36, having a socket 37. The seat member is shown at 38. Secured to the edge thereof is a plate 39, having an upturned hook 40, that engages in the socket 37.

In Fig. 4, a slightly different embodiment of tie rounds is illustrated. In the first embodiment, the rounds 33 are preferably of metal. In Fig. 4, the round consists of a casing 41 of wood, similar to that of which the chair is constructed. This casing incloses a metallic rod 42, having threaded ends 43 that engage in sockets 44 of strips 45. These strips are connected to front and rear leg members designated 46. It will be evident that the operation of both modifications is substantially the same as the corresponding parts in the first described embodiment.

The most important form of the construction is illustrated in Fig. 5, wherein the improvements are shown as applied to a rocking chair. The seat member is designated 35 and is provided with rearwardly extending hooks 36 that detachably engage the rear leg member 37, the latter being provided with a suitable plate 38, seated therein, as shown, and secured thereto by any suitable means, as for instance, screws 39 and a clip bolt 40. The lower end of the plate extends below the leg member and is in the form of a threaded stem 41. The front leg member is designated 42, and is provided on its rear face with a plate or strip 43, fastened in place by screws 44 and a lower clip bolt 45. The upper end of the strip has an upstanding hook 46 that engages a plate 47, secured to the underside of the front portion of the seat member. The lower end of the strip 43 extends below the member 42, and is in the form of a threaded stem 48. Suitable cushion or packing devices 49 are located in the joints between the seat and leg members. The rockers 50 in the present instance constitute tie devices between the lower ends of the leg members, said rockers having openings 51 therethrough that receive the stems, the openings being provided with enlarged lower portions 52 that receive nuts 53 threaded on said stems and maintaining the leg members in position on the rockers, as will be evident.

Still another embodiment of the invention is illustrated in Fig. 7. In this form of construction, a stool is produced. The seat member is designated 54, and is provided with plates 55, having sockets 56. The leg members 57 are secured to the strips 58 which are provided with upstanding hooks 59 that engage in the sockets. Cushion or packing devices 60 are located in the joints thus produced. The lower portions of the strips 58 have oppositely threaded sockets 61 in which are threaded the ends of the tie rounds 62. This structure may also be employed for a table or a chair having a back, a portion of the said back being indicated in dotted lines at 63. The back in this instance, forms a part of the seat member and may or may not be detachable therefrom.

In Fig. 8, another form of construction is illustrated. The seat member is designated 64, and is preferably provided with a back 65. Side arms may or may not be employed, as desired, but if employed, they are preferably detachable. While the side arms may be of any desired character, a very simple form is shown in the drawings. The said side arm is designated 66, and has a detachable connection with the seat member, by means of a bolt 67 and is also detachably connected to the back 65 by a bolt 68. The front and rear leg members are designated 69, and are tubular in form, inclosing fasteners in the form of rods 70 that are thus seated within the legs. These rods are provided at their upper ends with oppositely extending hooks 71 that engage in the sockets 72 of plates 73 fastened to the under side of the seat member. Cushions 74 are preferably arranged in the joints. The rods 70 project beyond the lower ends of the leg members 69, forming stems 75, which are threaded. These stems engage in sockets 76 formed in the rockers 77, which rockers constitute the tie devices between the leg members. Nuts 78 are threaded upon the stems, and are engaged in the sockets 77, said nuts serving to hold the parts in position, as will be evident.

From the foregoing, it is thought that the construction, operation, and many advantages of the herein described invention, will be apparent to those skilled in the art, without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

1. In a takedown article of furniture, the combination with a member to be supported, of spaced leg members for supporting said member, devices carried by the leg members and disposed longitudinally thereof, said devices having elements at their upper ends that are detachably engaged with the member to be supported, and a tie between the

lower portion of the leg members, said tie being detachably engaged with the lower ends of said devices.

2. In a takedown article of furniture, the combination with a member to be supported having rearwardly extending hooks and having sockets in their front portions, of a rear leg member having sockets to receive the hooks, a front leg member having upstanding hooks engaging the sockets of the member to be supported, and tie devices detachably engaged with the leg members to hold them against relative movement and maintain them in interlocking engagement with the member to be supported.

3. In a takedown chair, the combination with a seat member to be supported, of spaced leg members, devices carried by and seated in the legs, being disposed longitudinally thereof, said devices having offset hooks at their upper ends that are detachably engaged with the seat members and terminate at their lower ends in threaded stems, rockers detachably fitted on the stems, and nuts threaded on the stems and securing the rockers in place.

4. In a takedown chair, the combination with a seat member, of relatively movable leg members detachably interlocked therewith and detached upon their relative movements, a rocker associated with the lower ends of the leg members, and means for detachably securing the lower ends of the leg members and the rocker together to prevent their said relative movements.

5. In a takedown chair, the combination with a seat member, of relatively movable leg members detachably engaged therewith and detached therefrom upon their relative movements, said leg members having depending stems, a rocker having openings that receive the stems and prevent the relative movement and consequent detachment of the legs from the seat members, and means for securing the stems in the rockers.

6. In a takedown chair, the combination with a seat member, of leg members having fasteners detachably interlocked with the seat member, said fasteners being provided with threaded stems extending below the leg members, a rocker having sockets that receive the stems, and nuts engaged with the stems and engaging the rocker to maintain said rocker on the stems.

7. In a takedown article of furniture, the combination with a member to be supported having sockets, of legs detachably associated therewith, strips or plates fastened to said legs longitudinally thereof and terminating in offset hooks at their upper ends, said hooks being detachably interlocked in the sockets of the member to be supported, and transverse tie devices detachably engaged with the lower ends of the strips.

8. In a takedown article of furniture, the combination with a member to be supported having sockets, of supporting legs detachably associated therewith, strips or plates fastened to the outside of said legs longitudinally thereof and detachably engaged at their upper ends in the sockets of the member to be supported, and a transverse tie device detachably secured to the lower ends of the strips to hold the legs against relative movement.

9. In a takedown article of furniture, the combination with a member to be supported, of leg members for supporting the same, said members having portions located in opposition to each other and other offset portions that are detachably interlocked, cushions interposed between the opposing portions of the members at one side of the interlocked portions, and a connection between the leg members that hold the same against relative movement.

10. In a takedown article of furniture, the combination with a member to be supported, of leg members associated therewith, socket plates secured to certain of the members, other plates secured to certain of the members and having offset hooks at their ends that engage in the sockets of the plates, and cushions interposed between the ends of the plates having the hooks and the socket plates, said cushions being compressed and held in place between said plates.

11. In a takedown article of furniture, the combination with a member to be supported, of leg members detachably associated therewith, strips or plates secured to the leg members and having their upper ends detachably engaged with the member to be supported, said strips or plates having openings therethrough, rounds connecting the leg members and passing through the openings in the strips or plates, and transverse tie devices located below the rounds, said tie devices being detachably connected with the lower ends of the strips or plates.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JOSEPH M. HORTON.

Witnesses:
MYRON YOUNG,
MARY E. YOUNG.