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WHEELED INVALID CHAIR

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The improved invalid chair forming the subject matter of the present invention comprises a frame open at its rear end and including a substantially rectangular base 5 formed of spaced side bars 6 connected at their forward ends by a transverse bar 7, said base being provided with wheels or castors 8 preferably equipped with rubber tires to prevent injury to finished floors. Extending vertically from the base 5 at the front and rear thereof, are side posts or standards 9 and 10 having their lower ends rabatted at 11 and detachably secured to the adjacent side bars 6 by bolts or similar fastening devices 12. The upper ends of the side posts 9 and 10 are provided with a series of transverse openings 13 and connecting the posts at said openings are longitudinal side bars 14 having openings therein adapted to register with any one of the openings 13 so as to permit vertical adjustment of the side bars with relation to the base 5 to accommodate persons of different sizes, said side bars being detachably secured to the side posts by bolts 15 preferably provided with wing nuts, as shown. The rearward ends of the side bars are extended longitudinally beyond the adjacent side posts 10 to form handles 16 which may be gripped by an attendant when moving an invalid from place to place. The rear side posts 10 are extended vertically above the side bars 14 to form extensions 17 adapted to receive and support a flexible backrest indicated at 18. The backrest 18 is formed with terminal pockets 18', the lower ends of which are open and adapted to rest on shoulders 19 on the rear side posts 10 so as to prevent displacement of the backrest. The forward ends of the side bars 14 are rabatted at 20 to receive the adjacent side posts 9, and connecting said side posts at the rabatted ends of the side bars by bolts 21, is an upwardly bowed transverse bar 22. It will here be noted that the transverse bar 7 is bowed outwardly to form a bumper 23 which serves to prevent the body of the chair from coming in contact with a wall or other obstruction.

Mounted for swinging movement at the open end of the frame is a seat 24 having one end thereof hinged at 25 to a block 26 detachably secured to one of the posts 10 and its other end provided with depending pins 27 adapted to enter suitable openings in a corresponding block 28 detachably secured to the mating side posts, the blocks 26 and 28 being recessed at 29 to receive the adjacent side posts, as best shown in Figure 6 of the drawings. A series of openings 30 are...
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formed in the posts 10 to permit vertical adjustment of the seat 24, said seat being retained in adjusted position by bolts 31.

Mounted on the side bars 6 of the base is an adjustable foot rest 32, said foot rest being provided with depending dowels 33 which fit in openings 34 formed in the side bars so as to permit the foot rest to be adjusted longitudinally of the frame or to be entirely detached therefrom when desired.

Disposed on each side of the frame are diagonally disposed guard rods 35 having their lower ends removably fitted in sockets 36 formed in the side bars 6 and their upper ends removably fitted in corresponding sockets 37 formed in lateral enlargements 37' on the rearward side posts 10. Secured to the posts 10 are spring clips 38 which serve to detachably hold the guard rods in position on the frame. These rods 35, when in position on the frame, not only serve to brace the frame but also act as hand rails for an invalid when raising or lowering himself off or on to a toilet seat, and when said guard rods are detached, they act as propelling poles in order to enable the invalid to propel the chair from place to place. The lower ends of the guard rods may be so formed and adapted as to be passed through tips 39 to present a good traction surface to the floor and also to prevent scratching or marring of the floor. The rods 35 not only act as hand rails but also serve as side guards to prevent an invalid from moving his legs through either side of the frame with possible injury to his legs. It will thus be seen that the diagonal rods 35 perform a four-fold function, namely: first—as side braces for reinforcing the frame; second—as side guards; third—as hand rails; and, fourth—as propelling poles.

When a patient is sufficiently strong to propel himself, the foot rest 32 is removed and the invalid, by sitting on the seat, may propel the chair with his feet. Should the legs or feet of the invalid be incapacitated, said invalid may propel himself from place to place by snapping the guard rods out of the clips 38 and using said rods as propelling poles, as will be readily understood. When it becomes necessary for the invalid to answer a call of nature, the open end of the frame is positioned over a toilet or commode and the seat 24 swung upwardly and in which position the invalid may conveniently raise himself to or off the toilet seat by grasping the rods 35 and without danger of falling.

By reversing the position of the backrest 18, and positioning the invalid on the seat facing the open end of the frame, the invalid may be propelled up to a table so as to enable him to partake of a meal or refreshments when desired.

When the device is not in use, the component parts thereof may be readily detached and compactly stored for transportation or shipment.

It will, of course, be understood that the chairs may be made in different sizes and shapes and constructed of any suitable material without departing from the spirit of the invention.

Having thus described the invention, what is claimed is:

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transverse rod connecting the upper ends of the side posts at the front of the frame, longitudinal side bars secured to the posts, a seat hingedly connected with one of said side posts and cooperating with the confronting side post, wheels mounted on the frame, and diagonally disposed guard rods detachably mounted on opposite sides of the frame between the side posts and having their upper ends disposed adjacent said seat and forming inclined hand rails, said guard rods when in position on the frame forming braces and when detached constituting propelling poles.

3. An invalid chair comprising a wheeled base having sockets therein, front and rear side posts extending vertically from the base, the upper portions of the rear posts being provided with sockets, longitudinal side bars adjustable vertically of the posts and detachably secured thereto, a transverse bar connecting the front ends of said side bars, a seat between the rear posts, and diagonally disposed guard rods having their lower ends detachably fitted within the sockets in the base and their upper ends disposed adjacent the seat and detachably engaging the adjacent sockets in the rear posts and forming inclined hand rails, said guard rods when in position on the chair forming braces and when detached constituting propelling poles.

4. An invalid chair comprising a wheeled base having sockets formed therein, an adjustable foot rest detachably mounted on the base, spaced side posts secured to said base, longitudinal side bars connecting the upper ends of the side posts and adjustable vertically with respect thereto, the upper ends of said side posts being projected above the adjacent side bars to form extensions defining stop shoulders, a flexible backrest provided with terminal pockets fitting over the extensions and bearing against the stop shoulders, a seat disposed between two of the side posts, clips secured to certain of said side posts, and diagonally disposed guard rods having their lower ends detachably fitted in the sockets in the base and their upper ends disposed adjacent the seat and detachably engaging the clips, said guard rods when in position on the chair constituting braces and when detached from the chair forming propelling poles.

5. An invalid chair comprising a wheeled base having sockets therein, an outwardly bowed bumper secured to the base at the front thereof, spaced side posts carried by the base, longitudinal side bars adjustable vertically of the side posts and detachably secured thereto, the ends of said side bars constituting handles, certain of the side posts being provided with sockets and having their upper ends projected vertically above the adjacent side bars to form extensions defining stop shoulders, a flexible backrest connecting said extensions and resting on the stop shoulders, a seat hingedly mounted between two of the side posts, and diagonally disposed guard rods having their lower ends detachably fitted in the sockets in the base and their upper ends disposed adjacent the seat and detachably engaging the sockets in the side posts, said guard rods when detached from the chair forming propelling poles.
6. An invalid chair comprising a wheeled base open at its rear end and provided with sockets, an outwardly curved transverse bar at the forward end of the base and forming a bumper, spaced side posts secured to the base, certain of said side posts being provided with lateral enlargements having sockets formed therein, longitudinal side bars adjustable vertically of the side posts and detachably secured thereto, a seat pivotally mounted between certain of the side posts, spring clips secured to said enlargements, and inclined guard rods having their lower ends fitted in the sockets in the base and their upper portions disposed adjacent the seat and detachably engaging the clips with their terminals in the sockets in the lateral enlargements, said guard rods when in position on the chair forming hand rails and when detached constituting propelling poles.

7. An invalid chair comprising a wheeled frame open at its rear end and having front and rear posts at its sides and side bars carried by upper portions of the posts, the rear posts and side portions of the frame being provided with upper and lower sockets respectively, a seat pivotally mounted between the rear posts of the frame at the open rear end thereof, and a combined guard rod and inclined hand rail extending diagonally of the frame at each side thereof and having their lower ends detachably fitted in the lower sockets and their upper ends extending above end portions of the seat and detachably engaged in the upper sockets, said combined guard rods and hand rails when detached from the frame forming propelling poles.

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