W. DIEMER.

INVALID'S CHAIR.

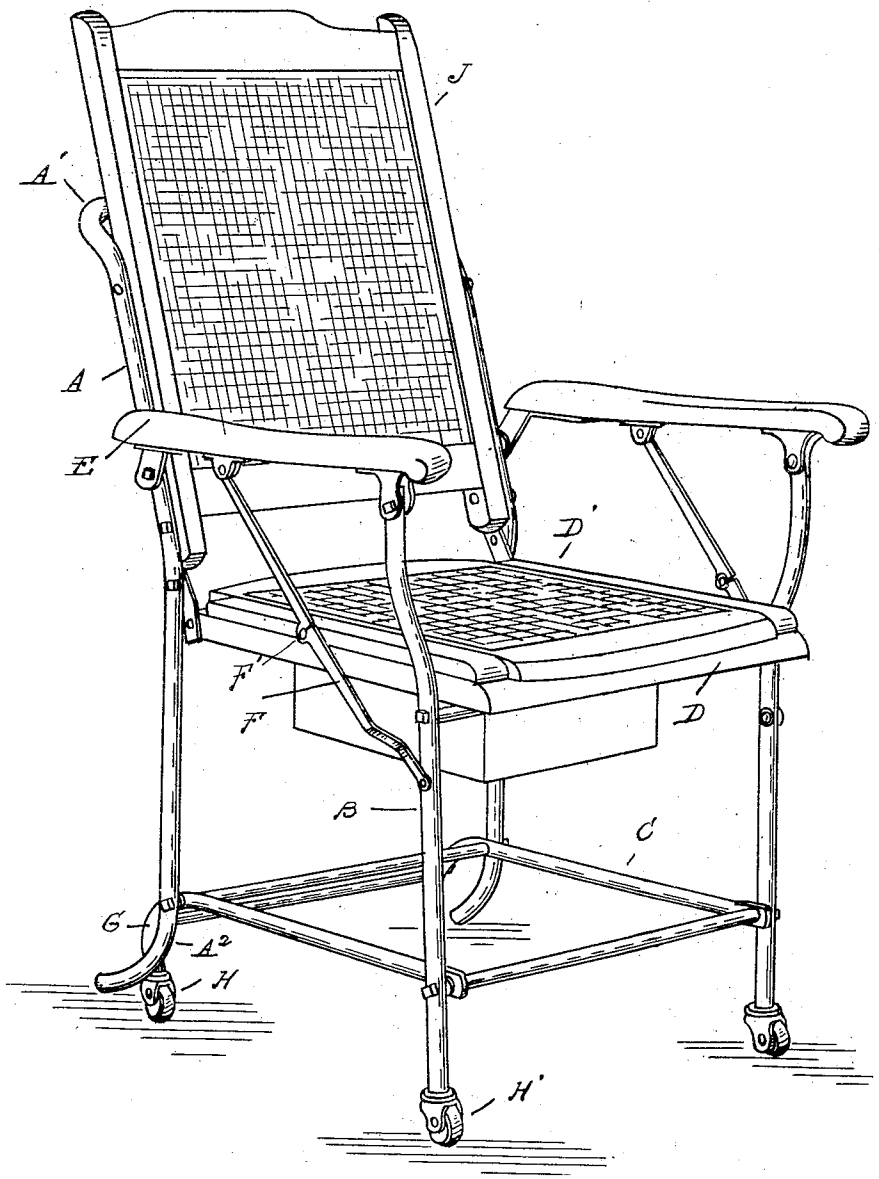
APPLICATION FILED MAR. 9, 1912.

1,039,709.

Patented Oct. 1, 1912.

2 SHEETS—SHEET 1.

Fig. 1.



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2 SHEETS—SHEET 2.

Fig. 2.

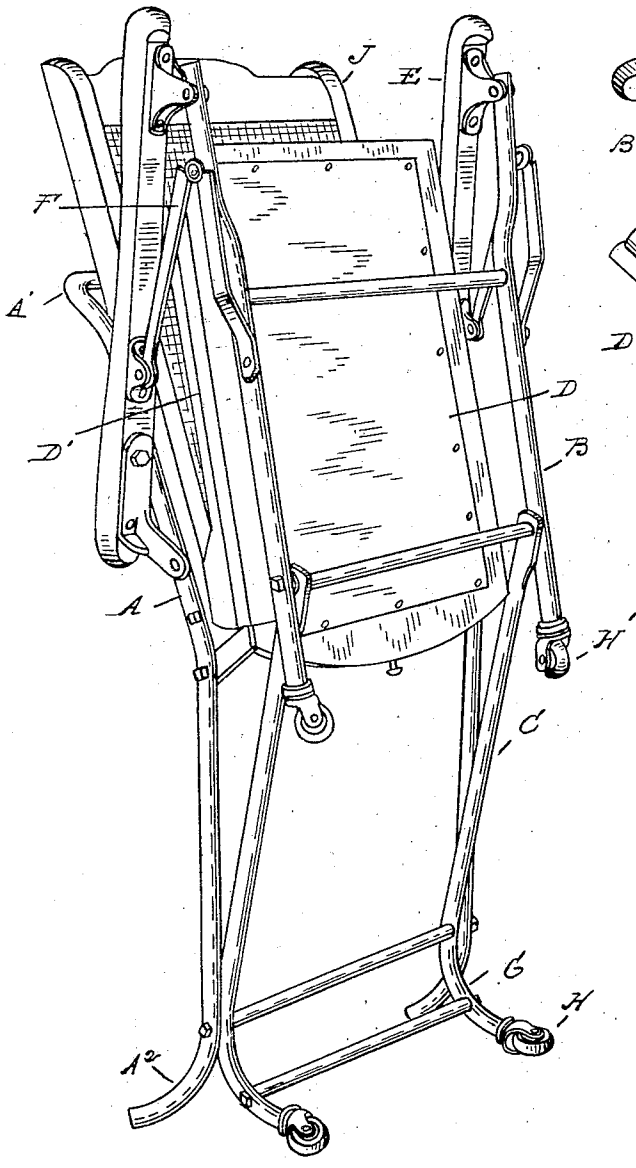


Fig. 3.

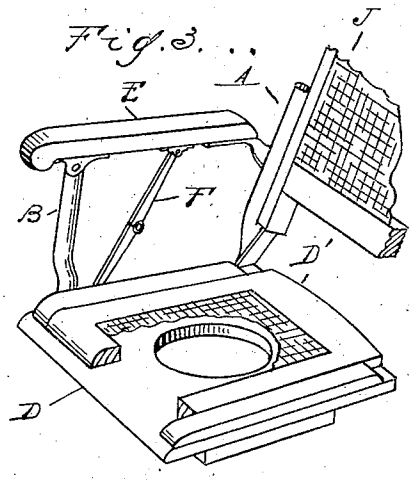
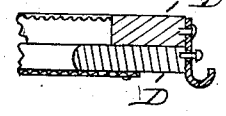


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM DIEMER, OF TOLEDO, OHIO, ASSIGNOR TO GENDRON WHEEL COMPANY, OF TOLEDO, OHIO, A CORPORATION OF OHIO.

INVALID'S CHAIR.

1,039,709. Specification of Letters Patent. Patented Oct. 1, 1912.

Application filed March 9, 1912. Serial No. 682,747.

To all whom it may concern:

Be it known that I, WILLIAM DIEMER, a citizen of the United States of America, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Invalids' Chairs, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to wheel chairs being particularly designed for use in sick rooms and in hospitals and it is one of the objects of the invention to obtain a construction which may be folded when not in use and which will stand without other support in this folded position.

In the drawings,—Figure 1 is a perspective view of the chair in the position for use; Fig. 2 is a similar view showing the collapsed position; Fig. 3 is a perspective view of a portion of the seat and back; and Fig. 4 is a cross section therethrough.

A is a rear frame, B the forward frame, C a horizontal frame, D a seat and E an arm section of a pivotally connected foldable parallelogram frame. F is a diagonal joint brace rod for holding said frame normally in rectangular position and which extends from the forward frame B to the arm rests, there being preferably one of these braces on each side of the chair.

The frame A is an inverted U-shaped member having the cross bar A′ which extends in rear of the chair and constitutes a handle for moving the same. The lower ends of the frame A are bent to extend rearward but are normally held above the floor by rear legs G. These rear legs are preferably formed by rearward extensions of the horizontal frame C, being curved downward and provided with casters H for engaging the floor. The forward frame B is also provided with casters H′.

When the chair is to be collapsed the braces F which are provided with rule joint hinges F′ are broken upward to permit the folding of the frame, which movement will project the rear supporting legs G laterally forward to a point beyond the center of gravity of the folded structure. The rearwardly extending lower ends A^2 of the frame A will then rest upon the floor and as they bear in rear of the center of gravity of the folded structure the latter will be afforded a suitable support, so that it stands alone.

To adapt the chair for use in a sick room or hospital it is preferably provided with a double seat the upper member D′ being of cane or any suitable material and the lower member being apertured for use as a commode. The back J is attached to the rear frame A and in the folded position of parts both of the seats D and D′ will be arranged in parallelism therewith. Thus the chair when not in use may be stored in small space and will stand upright without other support.

What I claim as my invention is:

1. In a chair, the combination with a foldable frame, of supporting legs extending from the horizontal member of said frame normally in rear thereof and projected laterally forward of the center of gravity of said frame in the folded position, and rearward extensions on the vertical member of said frame normally out of contact with the floor and forming a rear support in the folded position.

2. In a chair, the combination with a foldable parallelogram frame including a vertically extending rear frame member and a horizontal member, of rear supporting legs formed as rearward extensions of said horizontal member adapted in the folded position to project laterally forward of the center of gravity, and rearward extensions on the vertical member of said frame normally out of contact with the floor and in the folded position constituting a rear support.

3. In a chair, the combination with a collapsible parallelogram frame including a vertically extending rear member and a horizontally extending member, of rearward and downward extensions of said horizontal member constituting supporting legs and adapted to be projected laterally forward of the center of gravity in the folded position of parts, and downward and rearward extensions of said vertical member normally out of contact with the floor and forming a rear support in the folded position.

4. In a chair, the combination with a collapsible parallelogram frame including a rear vertically extending member of inverted U-shaped form, the upper portion and

cross bar forming a handle and the lower ends being extended downward and rearward, a horizontal member forming a portion of said frame having rearward and downward extensions forming rear supporting legs and in the folded position extending forward of the center of gravity, said supporting legs and rearward extensions of the vertical frame together constituting a suitable support for the folded chair.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM DIEMER.

Witnesses:
W. J. BELKNAP,
JAMES P. BARRY.