

D. READ.
DETACHABLE CASTER.
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1,017,799.

Patented Feb. 20, 1912.

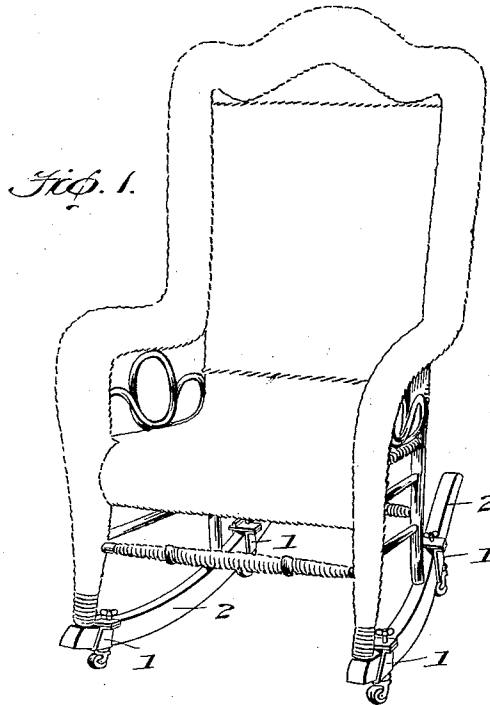


Fig. 2.

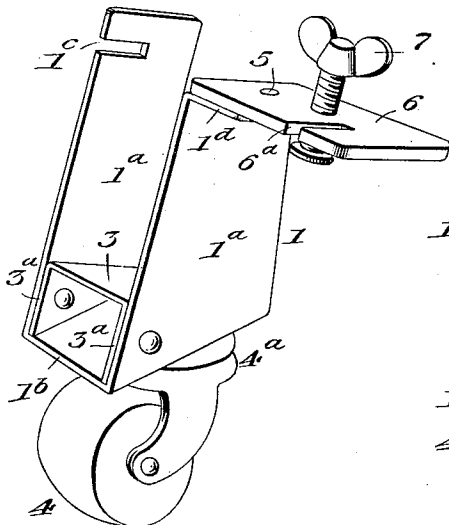


Fig. 3.

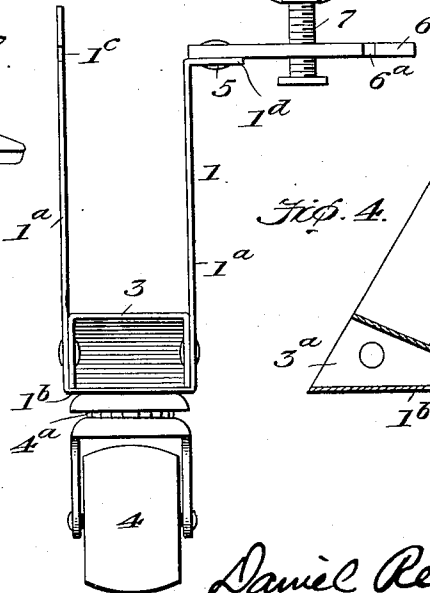
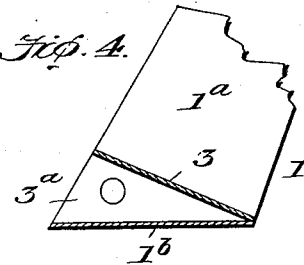


Fig. 4.



WITNESSES

[Signature]
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INVENTOR

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UNITED STATES PATENT OFFICE.

DANIEL READ, OF COTTAGE GROVE, OREGON.

DETACHABLE CASTER.

1,017,799.

Specification of Letters Patent.

Patented Feb. 20, 1912.

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To all whom it may concern:

Be it known that I, DANIEL READ, a citizen of the United States, residing at Cottage Grove, county of Lane, and State of Oregon, have invented certain new and useful Improvements in Detachable Casters, of which the following is a specification.

This invention relates to detachable casters.

10 The present invention has for its object the provision of a caster of novel construction which is adapted to be readily applied to the rocker of a rocking chair so that the chair may be converted into a wheeled chair, 15 thus specially adapting it for the use of invalids and elderly people and thereby obtaining the advantages of a wheeled or rolling chair without incurring the expense of a specially constructed chair of that character.

20 The invention consists in a frame adapted to straddle the rocker and provided with a suitable caster, and a screw clamp for holding the frame in position; further, in the combination with a frame adapted to embrace the rocker of a rocking chair and having a bottom of new construction, of a caster secured to said bottom; the invention consists, further, in the combination with a 30 frame adapted to embrace the rocker, of a keeper pivoted thereto and adapted to cooperate therewith in a new manner, and a clamping screw having a threaded engagement with said keeper, whereby the device 35 may be secured to the rocker, with the capacity for ready attachment or detachment therefrom, a suitable caster being connected to the frame.

40 In the accompanying drawings:—Figure 1 is a perspective of a rocking chair equipped with detachable casters made according to the present invention; Fig. 2, a detail perspective of the caster with the keeper thrown back; Fig. 3, a front elevation thereof; and 45 Fig. 4, a detail vertical section through the bottom part of the frame.

50 The frame 1 may be of sheet metal or made as a casting. Making it of stiff sheet metal has the advantage of cheapness, lightness and strength and that form is shown in the drawings, the sides 1^a and the bottom 1^b being formed from the same piece of metal, the sides being parallel and the bottom being inclined in relation thereto.

55 To brace the frame and also compensate for the curvature of the rocker 2, Fig. 1, and

to enable the device to be solidly and firmly clamped on the rocker, I provide the bridge or brace 3 whose upper surface is in a plane substantially at right angles to the sides 80 of the frame and consequently arranged in convergence to the bottom, such brace being provided with the downwardly extending flanges or lips 3^a which are suitably connected by rivets or other means to the sides 85 1^a of the frame. Any suitable caster 4, preferably swiveled and also preferably provided with a ball bearing 4^a is secured to the bottom 1^b which enables the chair to be rapidly and easily swerved to the right or left. 70 One of the sides 1^a is provided with a notch or slot 1^c and the other side with a flange or an ear 1^d to which is pivoted at 5 the keeper 6, the keeper being provided with a slot 6^a adapted to receive the side 1^a after the 75 keeper has been passed into the slot 1^c which forms a strong interlock between the keeper and the frame and relieves the pivotal connection of the keeper of strain and, further, prevents accidental vertical detachment of 80 the device from the rocker. A thumb screw 7 passes through a screw threaded hole in the keeper and is adapted to bear upon the upper edge of the rocker 2.

85 As shown in Fig. 1, preferably two of the casters will be applied to each rocker, on the front and rear parts thereof, thus supporting the rocking chair free of the floor at the four points where the four casters bear upon it. Consequently, any ordinary 90 rocking chair can be quickly and easily converted into a wheeled chair for the use of invalids or aged persons. In applying the caster to the rocker, the keeper is swung to one side and the frame applied upwardly to 95 the rocker, the keeper being thereafter swung across the top of the rocker and the thumb screw tightened against the upper edge of the rocker so that the caster is then held against movement forwardly and rearwardly on the rocker and against vertical 100 detachment.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:— 105

1. A detachable caster having a frame adapted to engage the rocker, a movable keeper engaged therewith, a clamping screw engaged with the keeper and adapted to bear against the rocker to thereby lock the keeper 110 and hold the frame on the rocker, and a caster carried by the frame.

2. A detachable caster having a frame provided with a bottom and sides, a keeper pivoted to one side of the frame and adapted to swing crosswise of the latter, the other
5 side of the frame and the keeper being provided with interlocking devices, and a caster carried by the frame.

3. A detachable caster having a frame provided with a bottom and sides, a keeper
10 pivoted to one side of the frame and adapted to swing crosswise of the latter, the other side of the frame and the keeper being provided with interlocking devices, a clamping screw threaded through the keeper, and a
15 caster carried by the frame.

4. A detachable caster having a frame provided with sides and a bottom which is arranged angularly to the sides, a caster secured to said angularly arranged bottom, a false bottom arranged substantially at right
20 angles to the sides of the frame and in converging relation to the bottom aforesaid, and means for securing the frame to a rocker.

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

DANIEL READ.

Witnesses:

JOHN F. SPRAY,

DAVID B. CHAMBERLEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
