No. 755,423. PATENTED MAR. 22, 1904.

C. A. WILLIAMSON.

ROCKER SHOE.

APPLICATION FILED AUG. 27, 1903.

NO MODEL.

FIG. 1

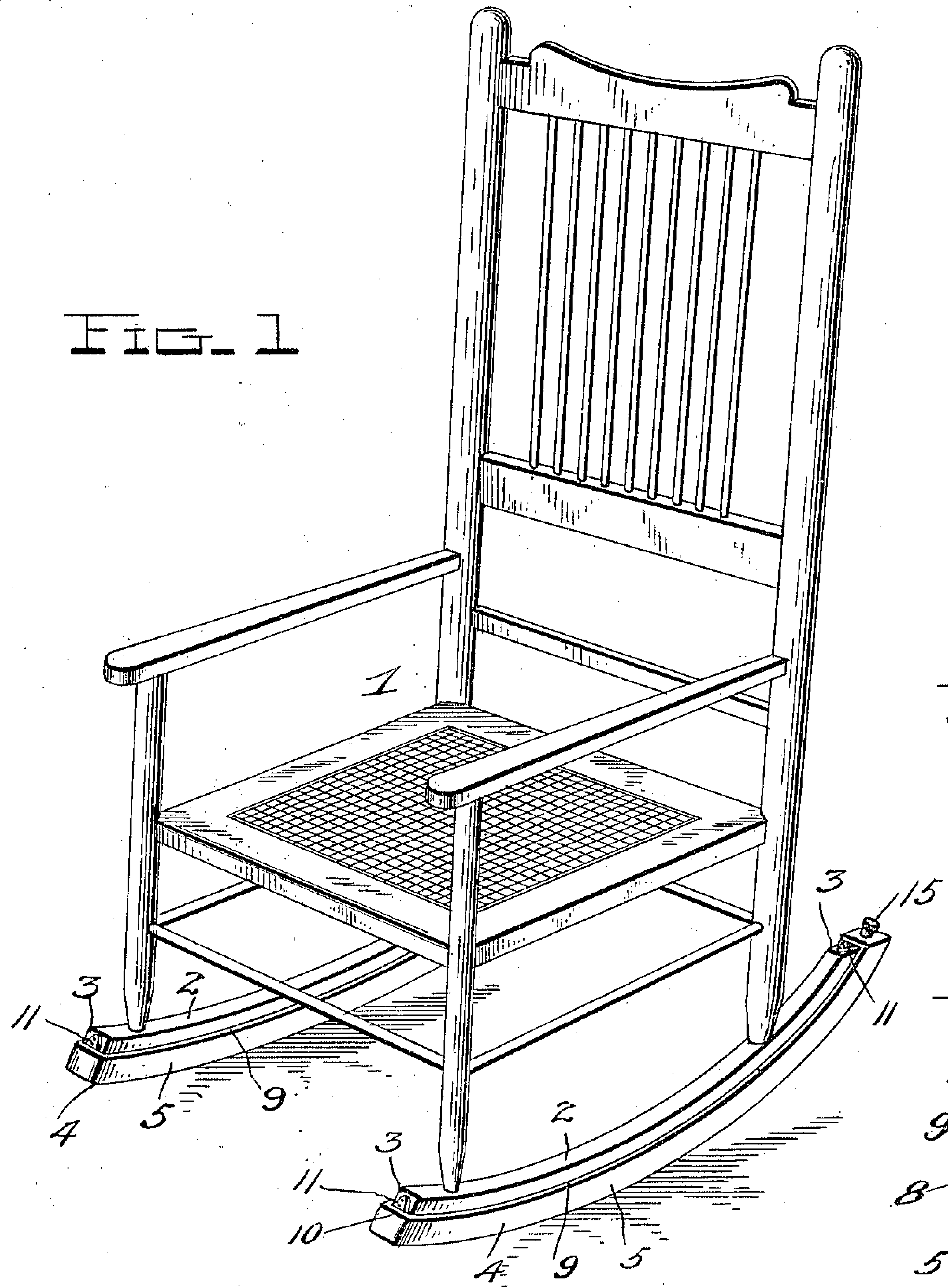


FIG. 4

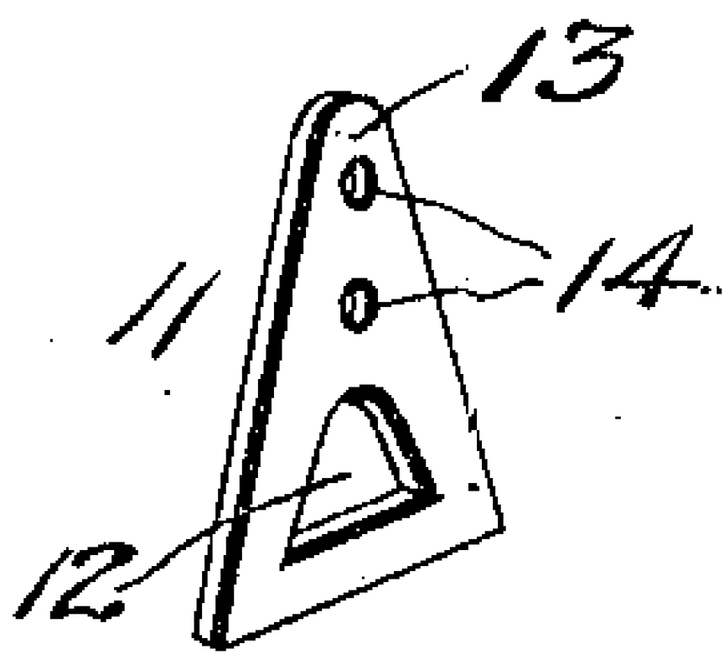


FIG. 3

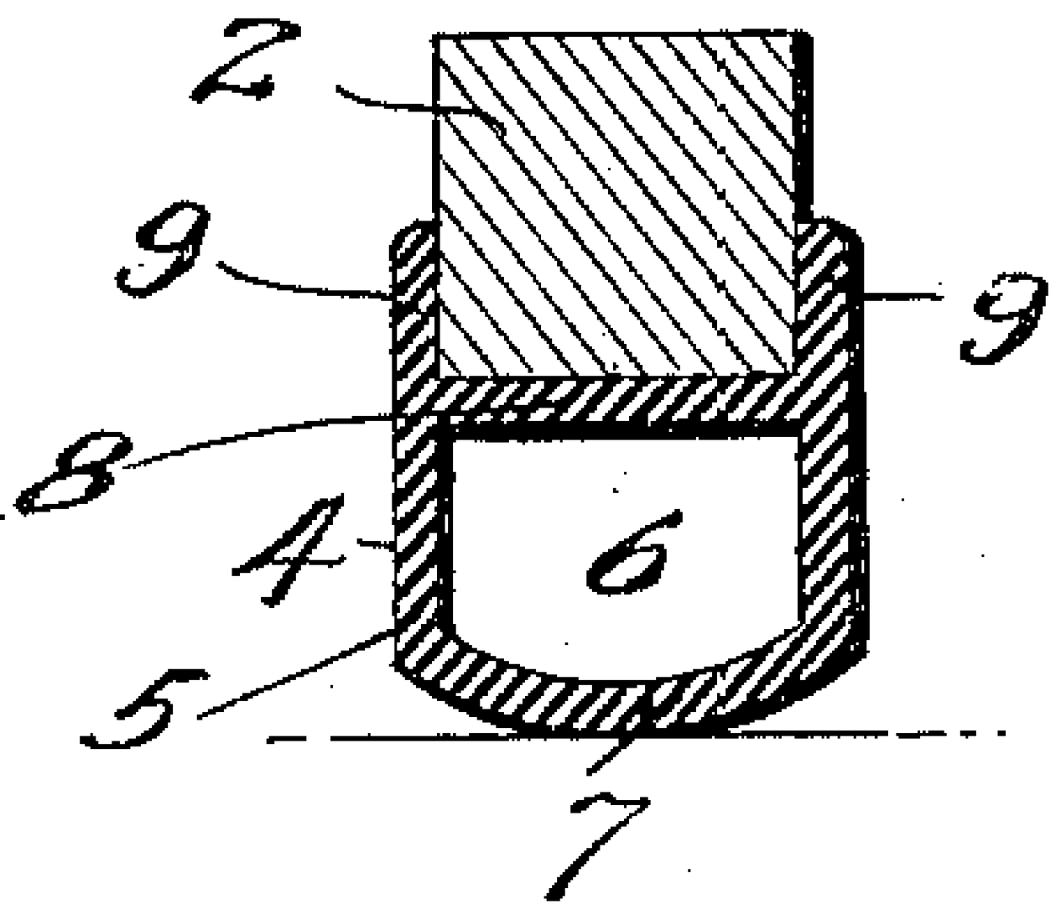
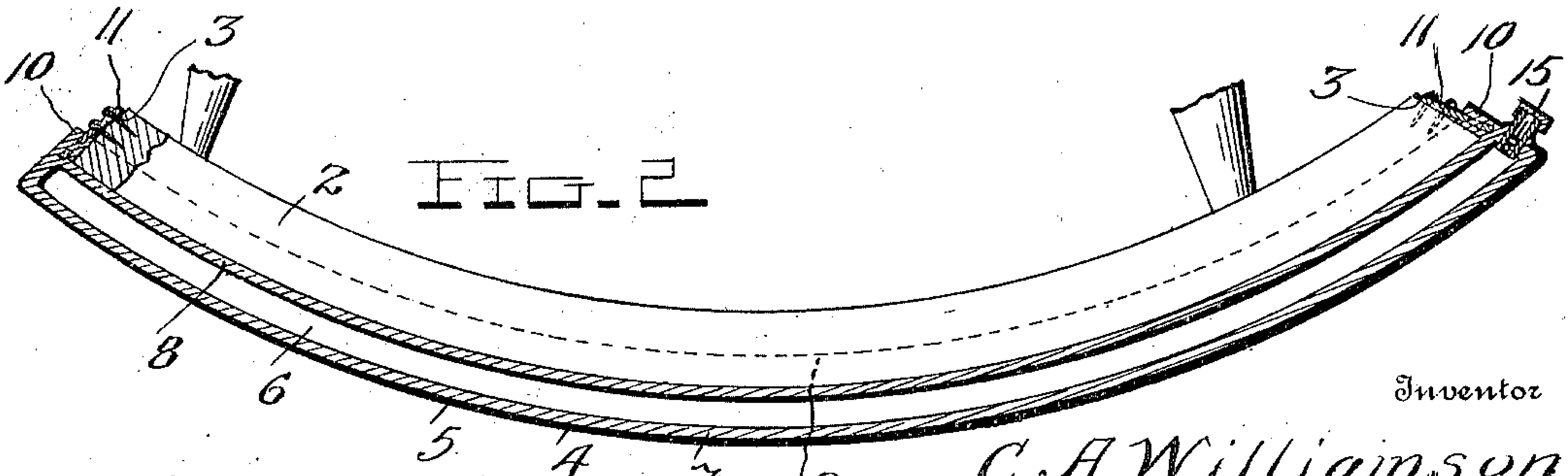


FIG. 2



Inventor

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Witnesses

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[illegible]

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 755,423. Patented March 22, 1904.

UNITED STATES PATENT OFFICE.

CHARLES ALEXANDER WILLIAMSON, OF NEW CUMBERLAND, PENNSYLVANIA.

ROCKER-SHOE.

SPECIFICATION forming part of Letters Patent No. 755,423, dated March 22, 1904.

Application filed August 27, 1903. Serial No. 170,985. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ALEXANDER WILLIAMSON, a citizen of the United States, residing at New Cumberland, in the county of Cumberland and State of Pennsylvania, have invented certain new and useful Improvements in Rocker-Shoes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in rockers for rocking-chairs, cradles, and the like; and it consists in a pneumatic shoe which may be readily attached to or removed from the ordinary rockers of chairs, cradles, or similar articles.

The object of the invention is to provide a device of this character which is simple in construction, efficient and durable in use, and comparatively inexpensive of production.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of a rocking-chair, showing the application of my invention thereto. Fig. 2 is a vertical longitudinal sectional view through one of the rockers with the shoe attached. Fig. 3 is a vertical transverse sectional view through the same. Fig. 4 is a detail perspective view of one of the attaching-plates.

Referring to the drawings by numerals, 1 denotes a rocking-chair provided with the usual rockers 2, the ends 3 of which are flat and beveled inwardly, as seen in Fig. 2.

4 denotes my improved pneumatic rocker-shoes, which are detachably secured upon the rockers 2. Said shoes 4 may be made of any suitable flexible elastic material; but I preferably make them of rubber, and each comprises a curved body portion 5, within which an air-chamber 6 is formed. The bottom 7 of each of said shoes is slightly curved, as seen in Fig. 3, to present as little bearing or contact surface as possible to the carpet, floor, or ground upon which the chair rests, and the top 8 of each of said shoes engages the bottom of one of the rockers 2 and is formed with side flanges 9 and end flanges 10, which flanges engage the sides and ends of the rockers 2 to hold the shoes 4 upon the same. The end flanges 10, as shown in Fig. 2 of the drawings, are inclined inwardly to correspond with the bevel or incline of the ends 3 of the rockers 2, and thus the shoes 4 are prevented from slipping off of the rockers or becoming casually disengaged therefrom. In applying and removing the shoes 4 they are stretched slightly to enable their end flanges 10 to be engaged with the ends 3 of the rockers, as will be readily understood.

11 denotes an attaching-plate which may be provided at each end of the shoes 4 to fasten them more securely upon the rockers. Said plates are substantially triangular in shape, the bases of the same, which are formed with apertures 12, are embedded or molded in the end flanges 10, as seen in Fig. 2, and the upper ends 13, which engage the ends 3 of the rockers, are provided with screw-apertures 14, through which screws may be passed to secure them upon said ends 3.

The rear wall of each of the air-chambers is provided with a valve 15, which may be of any desired construction and through which air is forced into said chamber 6 to inflate the shoes 4.

The operation of my invention will be readily understood from the foregoing description taken in connection with the accompanying drawings, and it will be seen that a chair, cradle, or the like provided with my improved pneumatic shoes will not only add materially to the comfort of the user, but will reduce the wear and tear of the carpet or other floor-covering upon which the chair or cradle rests.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

In an elastic shoe for rockers, the combination of side flanges embracing the sides of the rocker, converging end flanges embracing the ends of the rocker, and plates embedded in the end flanges, said plates having openings through which the material comprising the flanges extends, said plates forming means for fastening the shoe to the rocker.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES ALEXANDER WILLIAMSON.

Witnesses:

LEE GOODMAN,

HAZEL V. W. OYSTER.