

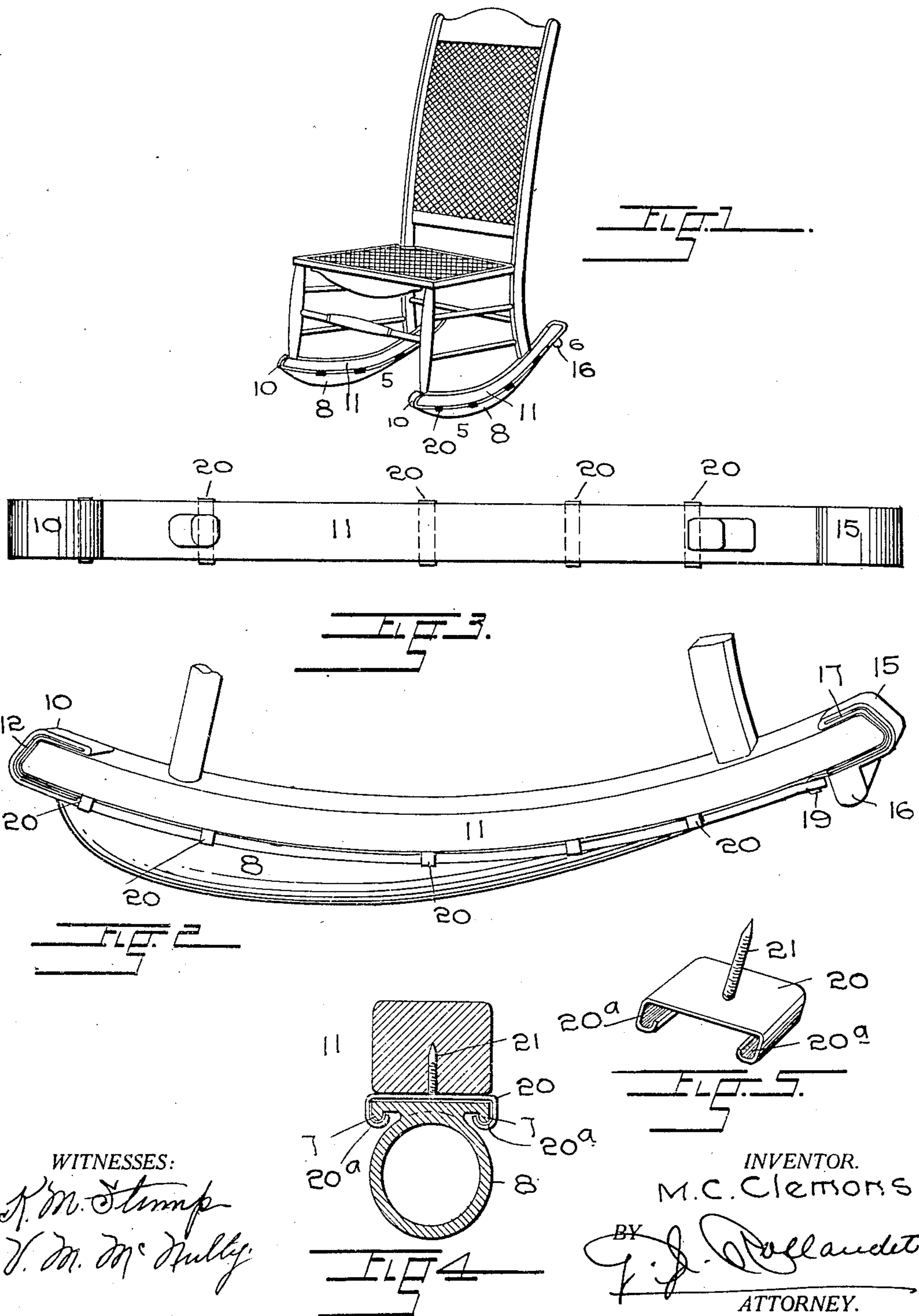
No. 888,387.

PATENTED MAY 19, 1908.

M. C. CLEMONS.
ATTACHMENT FOR ROCKING CHAIRS.

APPLICATION FILED FEB. 18, 1907.

2 SHEETS—SHEET 1.



UNITED STATES PATENT OFFICE.

MELVIN C. CLEMONS, OF DENVER, COLORADO, ASSIGNOR OF ONE-THIRD TO CHARLES J. DICKINSON AND ONE-THIRD TO WILLIAM E. WILLIAMS, BOTH OF DENVER, COLORADO.

ATTACHMENT FOR ROCKING-CHAIRS.

No. 888,387.

Specification of Letters Patent.

Patented May 19, 1908.

Application filed February 18, 1907. Serial No. 358,129.

To all whom it may concern:

Be it known that I, MELVIN C. CLEMONS, citizen of United States, residing at Denver, in the county of Denver and State of Colorado, have invented certain new and useful Improvements in Attachments for Rocking-Chairs, of which the following is a specification.

My invention relates to attachments for rocking chairs and has for its object to provide pneumatic treads, which may be readily secured underneath the rockers of a chair, irrespective of the latter's length or shape, and without marring or altering their appearance. I attain this object by the device illustrated in the accompanying drawings, in the various views of which like parts are similarly designated and in which,

Figure 1—represents a perspective view of a rocking chair with the attachments in operative position, Fig. 2—a perspective view of one of the rockers provided with my attachment, Fig. 3—a plan view thereof, Fig. 4—an enlarged cross sectional view of a rocker and the thereto secured tread, Fig. 5—a perspective view of the fastening medium, employed to secure the tread, Fig. 6—an enlarged plan view of the detached tread, Fig. 7—a longitudinal section taken along a line 7—7 Fig. 6, and Figs. 8 and 9—similar sections illustrating modified constructions of the attachment.

The attachment as illustrated in Figs. 2—3—6 and 7 of the drawings, comprises two members 5 and 6, the former of which consists of a flat rubber strap 4, provided at its, in practice, lower surface, with longitudinal downwardly extending ridges 7, and an interposed, integral, hollow tread 8, round in form and preferably tapering from a point near the front end of the strap, towards its opposite extremity.

The pneumatic tread is provided with a laterally extending valve 9, by means of which air may be forced thereinto, for the purpose of distending the same. The extremity 10, of the member 5, which, in practice, engages the forward portion of the rocker 11, is reinforced by a pliable metal strip 12, which being embedded in the rubber, allows the said extremity to be bent in conformity with the shape of the rocker to which it is applied. The extremity of the strip 12, remote from the outer end of the

rubber strap or band, has a plurality of upwardly ranging teeth or prongs 13, preferably formed by punching the metal with a V shaped tool and bending the intermediate portions at right angles to the main body. These prongs extending beyond the upper surface of the strap, pierce the lower surface of the rocker when the attachment is placed in position, and thus prevent lateral or longitudinal displacement. The opposite or rearmost portion of the strap or band 4, extending beyond the pneumatic tread, is provided with a series of apertures 14, preferably arranged in equidistant pairs, and employed in connecting the two members of the device as will hereinafter be described. Member 6, of the device consists of a rubber strip 15, equal in width to the strap 4, but short in comparison and provided at its lower surface with an integral, transversely disposed bumping-block 16.

The member is reinforced by means of a pliable metal strip 17 embedded in the rubber and provided with upwardly extending teeth 18. One of its extremities extending beyond the adjacent end of the rubber strip, terminates in one or more prongs 19, spaced in coöperative relation to the transversely arranged apertures 14 in the end of the strap 4, and designed to be inserted into the latter and bent rearwardly for the purpose of connecting the two members, as is illustrated in the drawings.

The attachment is secured to the rocker of the chair by means of a plurality of clips 20, having centrally disposed screws 21, by means of which they are secured upon the under surface of the rockers 11, in transverse relation thereto, as shown in Fig. 4. The extremities of the clips are bent down and inwardly to form seats 20^a, for the ribbed edges of the flexible strap 4, and thus prevent lateral displacement of the member.

Having thus described the construction of my invention, I will proceed to explain the manner in which it is applied. After the clips 20, have been secured upon the under-surface of the rockers in the manner hereinbefore described and as illustrated in Fig. 4 of the drawings, the ribbed edges of the member 5 are brought in engagement with the seats 20^a, after which the pliable extremity 10 of the strap 4, is bent in conformity with the forward extremity of the rocker

The opposite, apertured end of the strap 4 is shortened in suitable proportion to the length of the rocker, after which the prongs 19, on the member 6 are inserted through the apertures 14, adjacent the end of the strap, and doubled to form hooks as illustrated in Fig. 5. The outer extremity of the pliable strip 15, is now bent to embrace the adjacent extremity of the rocker, the prongs, 13 and 18, are pressed into the lower surface of the rocker and the hollow treads distended by means of a pump applied to the valves 9. When a chair, thus equipped, is in use, the elastic treads absorb all jars to which the occupant or nearby persons or objects are commonly subjected by reasons of the oscillatory movement, while they deaden the objectionable noise frequently caused thereby. The bumping blocks 16 of the member 6, of the attachment mitigate the shocks experienced during excessive backward movement of the chair and at the same time prevent accidental overturning of the latter when by the same cause, the occupant loses his balance.

In the modified form illustrated in Figs. 8 and 9, the two members are combined into one article. The contrivance illustrated in the first named figure, is composed of a tread 23, similar to the one previously described and forming part of a strap 24 the ends of which extend beyond its extremities. These ends may be shortened, to accommodate the article, to the length of the rocker to which it is to be applied, the attachment being secured by means of the clips shown in Fig. 5. The form shown in Fig. 9 is similar to that of Fig. 8, with the difference that the extremities of the strap are reinforced by metal strips 25, to permit their being bent in conformity with the ends of the rocker. In both forms an integral bumping block 26, extends transversely in adjacency to one of the extremities of the strap.

Having thus described my invention, what I claim is:—

1. A device of the class named comprising a flexible strap, a subjacent, integral, elastic tread spaced from the ends thereof and an elastic bumper upon the strap intermediate an extremity of the said tread and the adjacent end of the strap.

2. A device of the class named comprising a longitudinally adjustable strap having a subjacent, integral elastic tread spaced from its extremities and an elastic bumper inter-

mediate an extremity of the tread and the adjacent end of the strap.

3. A device of the class named comprising in combination a flexible strap having a pliable extremity and a subjacent, integral elastic tread, and a pliable member detachably secured to its opposite extremity and having an integral subjacent bumper.

4. A device of the class named comprising a flexible strap, a subjacent, integral, elastic tread tapering from one of its extremities to the other and spaced from the ends of the strap and an elastic bumper upon the strap adjacent the smallest end of the tread.

5. An attachment for rocking chairs comprising in combination, a flexible strap, having an integral, subjacent, elastic tread, the extremities of the said strap extending beyond those of the tread, and a pliable member adapted to be attached to one of the said extremities at any one of a plurality of distances from the adjacent end of the tread.

6. An attachment for rocking chairs comprising in combination, a flexible strap, having an integral, subjacent, elastic tread the extremities of the said strap extending beyond those of the tread and one of them being reinforced by a strip of pliable material and a similarly reinforced, flexible member adapted to be attached to the opposite extremity of the said strap at any one of a plurality of distances from the adjacent end of the tread.

7. A device of the class named comprising in combination a flexible strap having an integral, subjacent, elastic tread and a longitudinally successive series of apertures in one of its extremities, and a pliable member having pliable prongs arranged to engage the apertures adjacent the said extremity.

8. An attachment of the class named comprising in combination a strap its extremities being respectively, pliable and apertured, and having an integral subjacent elastic tread intermediate the said extremities, and a pliable member having an integral elastic bumper and a reinforcing strip extending beyond one of its extremities, terminating in prongs arranged to engage the said apertured extremity.

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

MELVIN C. CLEMONS.

Witnesses:

G. J. ROLLANDET,
K. M. STUMP.