

UNITED STATES PATENT OFFICE.

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SIDE-FRAME CONSTRUCTION.

No. 886,071.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed September 16, 1907. Serial No. 393,110.

To all whom it may concern:

Be it known that I, OSWALD S. PULLIAM, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Side-Frame Construction, of which the following is a specification.

This invention relates to improvements in side-frames for railway-cars and to this end my invention consists of a new and improved side-frame, in the novel features of construction, and in the combination of parts all as fully herein-described and claimed.

In the accompanying drawings, which illustrate applications of my invention, Figure 1 is a side elevational view of a side-frame embodying my invention; Fig. 2 a top plan of a section of the side-frame; Fig. 3 an end view of a section; Fig. 4, a side-view of a middle-section employed; Fig. 5 an end view of the middle section shown by Fig. 4; Fig. 6 a plan of same; Fig. 7 a side elevational view of a modified form of side-frame; Fig. 8 a part top and a part sectional view of the form of Fig. 7; Fig. 9 a part vertical sectional and a part side elevational view of a still further modified form of my invention; and Figs. 10, 11, 12, and 13 detail views of the middle portion of the form of Fig. 9.

Referring to the drawings and as preferred, the side-frame is composed of two transversely divided sections 2 and 3. Each section is formed with a journal-box 4, made integral therewith. Top and bottom-members 5 and 6 of the side-frame, extend inwardly from the journal-box to a vertical member 7, which latter member joins the inner ends of the top and bottom-members of each section.

Each of the members 7, in the form of Fig. 1, is formed with a vertically extending slot 8, adapted to receive a portion of the respective upright-members or bolster-guides 9 of a middle-section 10. Said upright-members are each formed with a bolster-receiving-recess 11 and are connected at their upper ends by a cross-piece 12 and at their lower ends by a spring-seat 13. Said upper and lower connecting members 12 and 13 interlock with

the sections 2 and 3 and in addition to the parts mentioned each of the upright-members 9 is formed with an apertured projection 14 adapted to receive a bolt for the purpose of locking said members to the vertical members 7 of said sections 2 and 3.

In the form of Fig. 7 each of the sections 2 and 3 is provided with projecting members 15 adapted when the sections are assembled to be riveted to each other as particularly shown by Fig. 8.

In the form of Fig. 9, I have shown a horizontally divided middle section joining the two end-sections 2 and 3.

In all of the forms illustrated, the side-frame is composed of transversely divided sections constituting the main portion of the side-frame and said portions formed with journal-boxes made integral therewith. This construction constitutes important and characteristic features of the present invention.

What I claim is:

1. A side-frame comprising separable main end-members each formed with a journal-box, and a separable middle-member connecting the end-members.

2. A side-frame comprising separable end-members each formed with a journal-box, said side-frame having a bolster-receiving-opening comprising an enlarged intermediate portion and contracted upper and lower portions.

3. A side-frame composed of transversely divided metallic end-sections, and a separate middle section joining the end-sections, and having a bolster-receiving-opening.

4. A side-frame having a separable section composed of a journal-box, a top-member, a bottom-member, and a vertical-member joining the inner ends of the top and bottom-members.

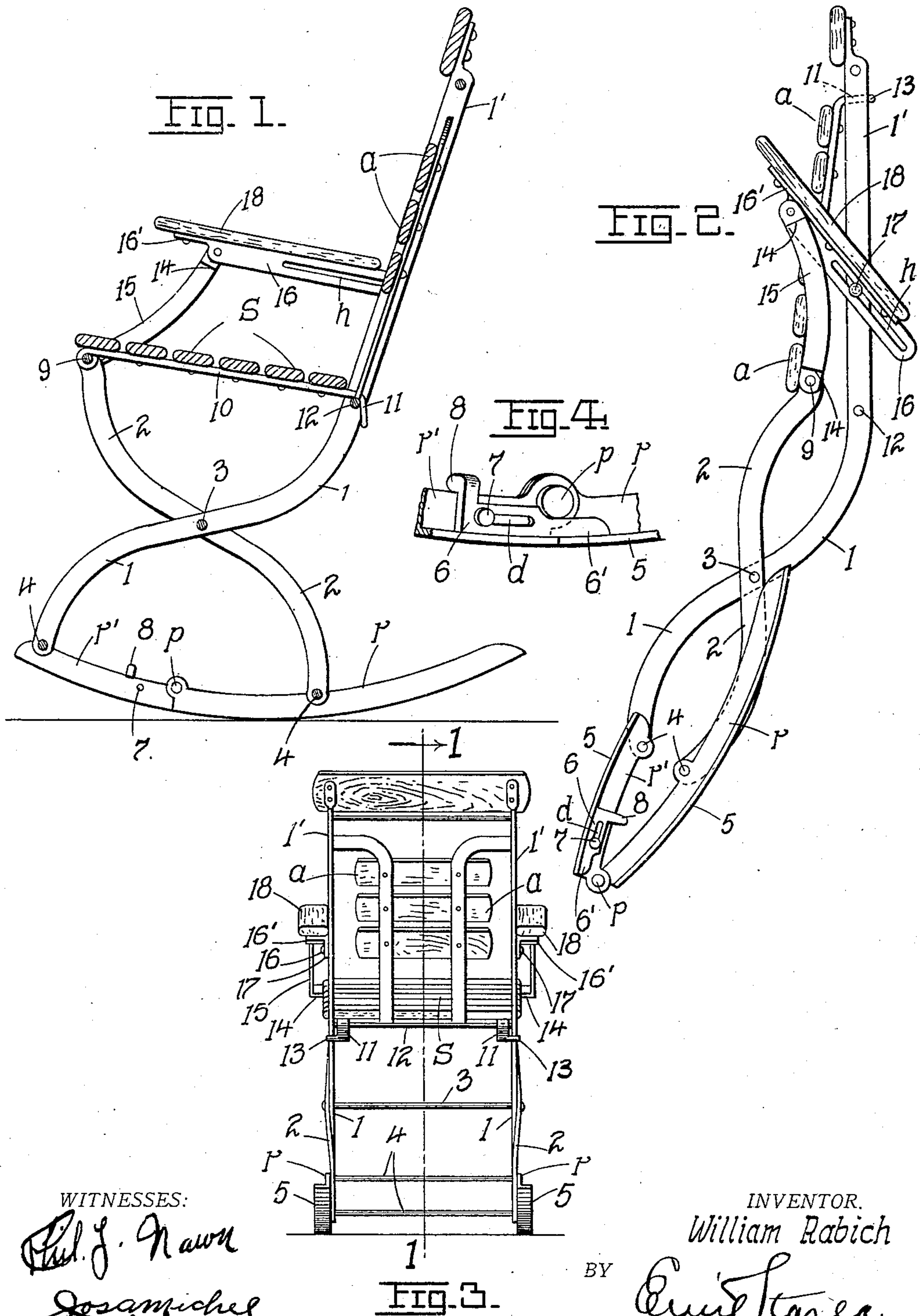
5. A side-frame comprising separable main end-members each formed with a journal-box, and a separate middle-member connecting the end-members and having a bolster-receiving-opening comprising an enlarged intermediate portion and contracted upper and lower portions.

6. A side-frame comprising separable main

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W. RABICH.
FOLDING FURNITURE.
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FIG. 3.

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