

No. 751,813.

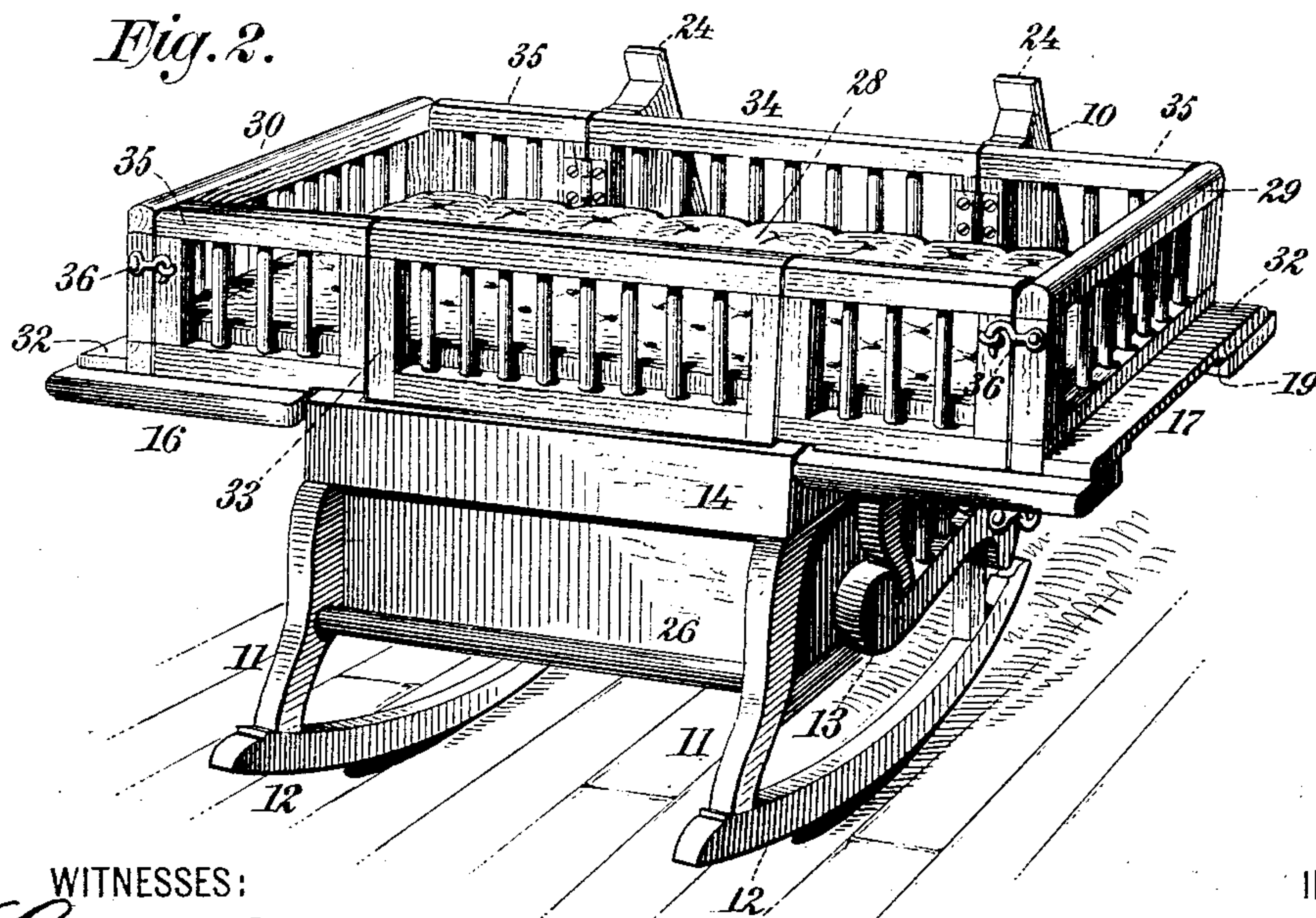
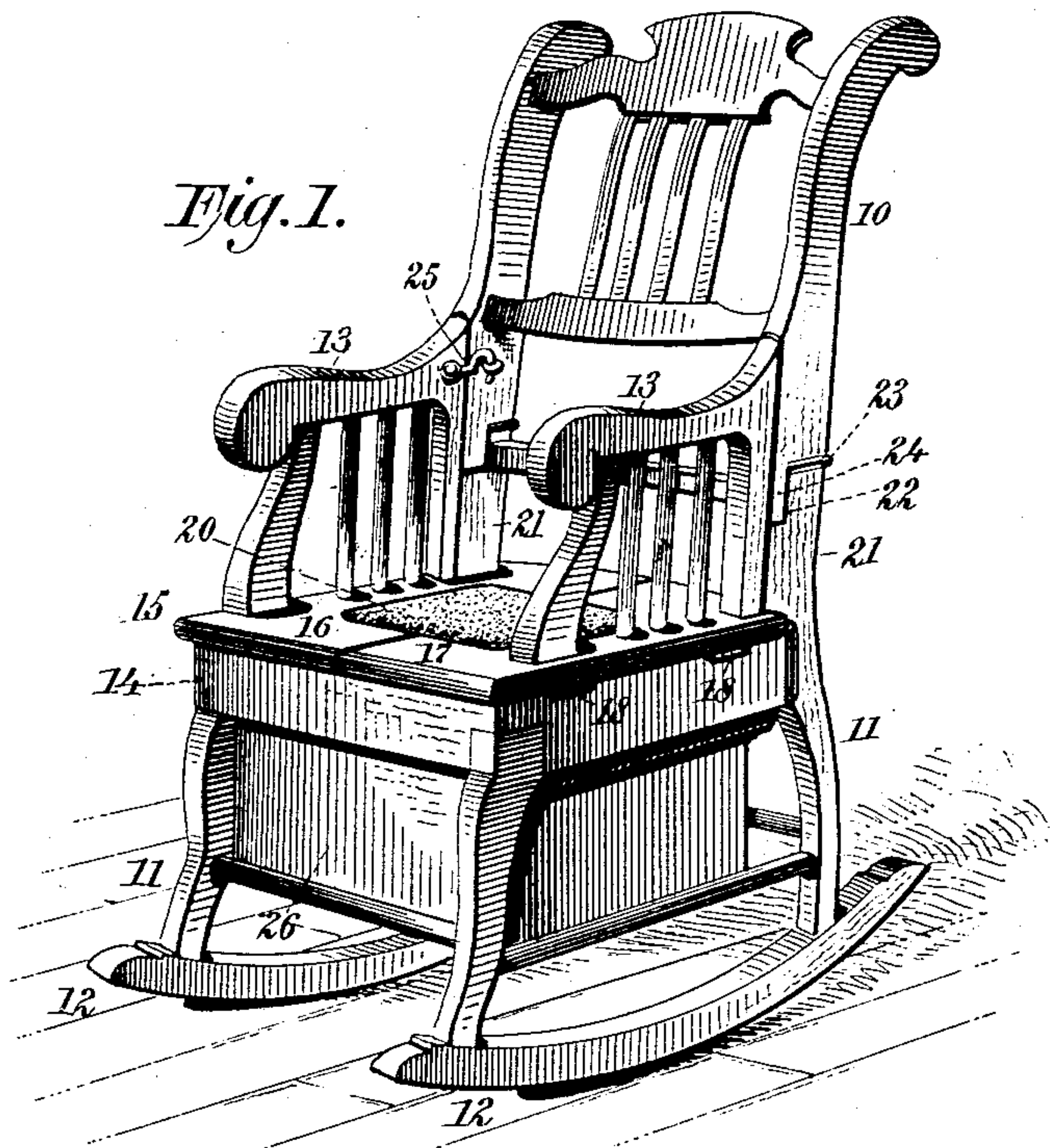
PATENTED FEB. 9, 1904.

B. SMITH.
CONVERTIBLE CHAIR AND CRADLE.

APPLICATION FILED DEC. 5, 1903.

NO MODEL.

3 SHEETS—SHEET 1.



WITNESSES:

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Arthur Marion

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3 SHEETS—SHEET 2.

Fig. 3.

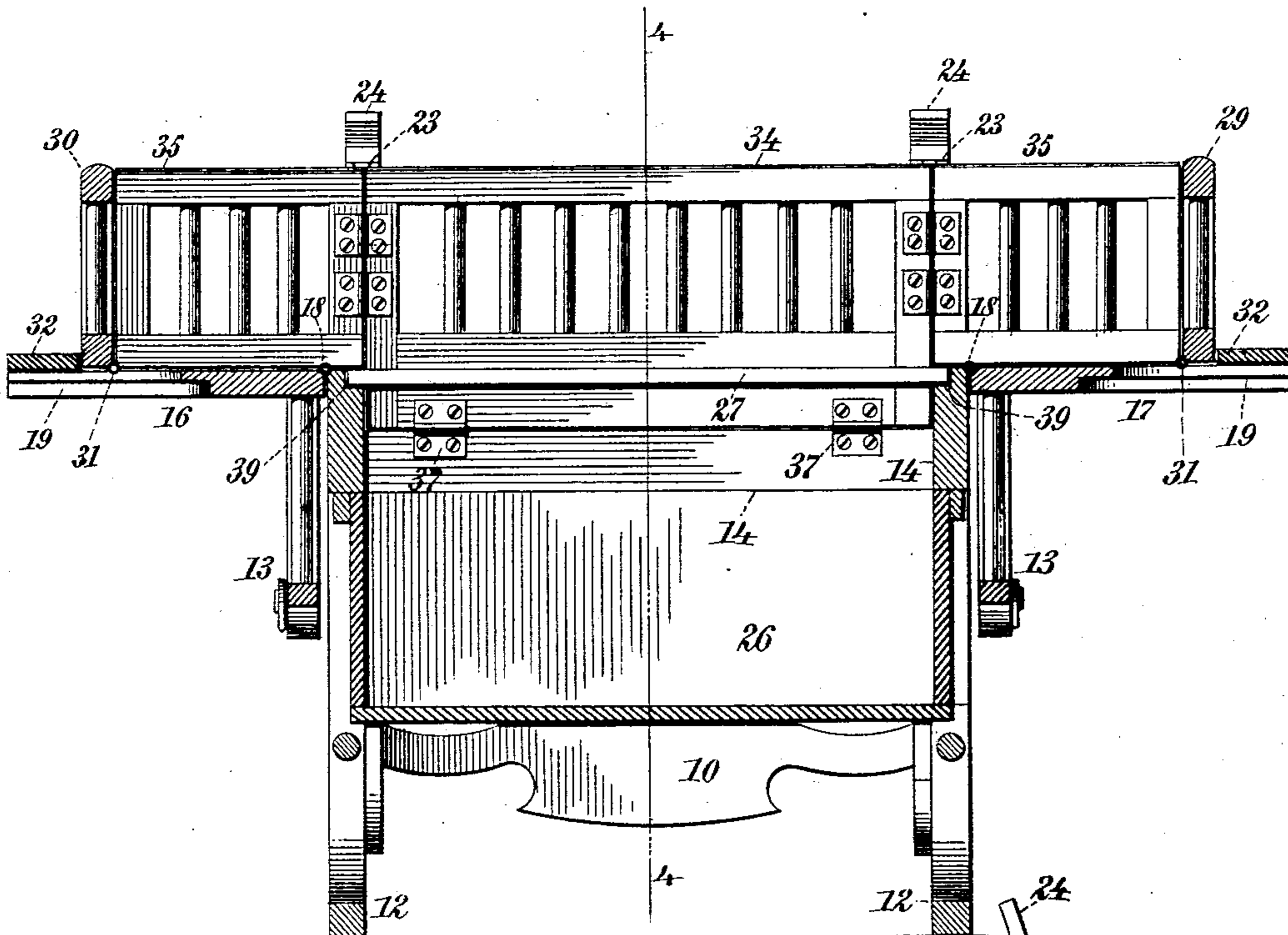
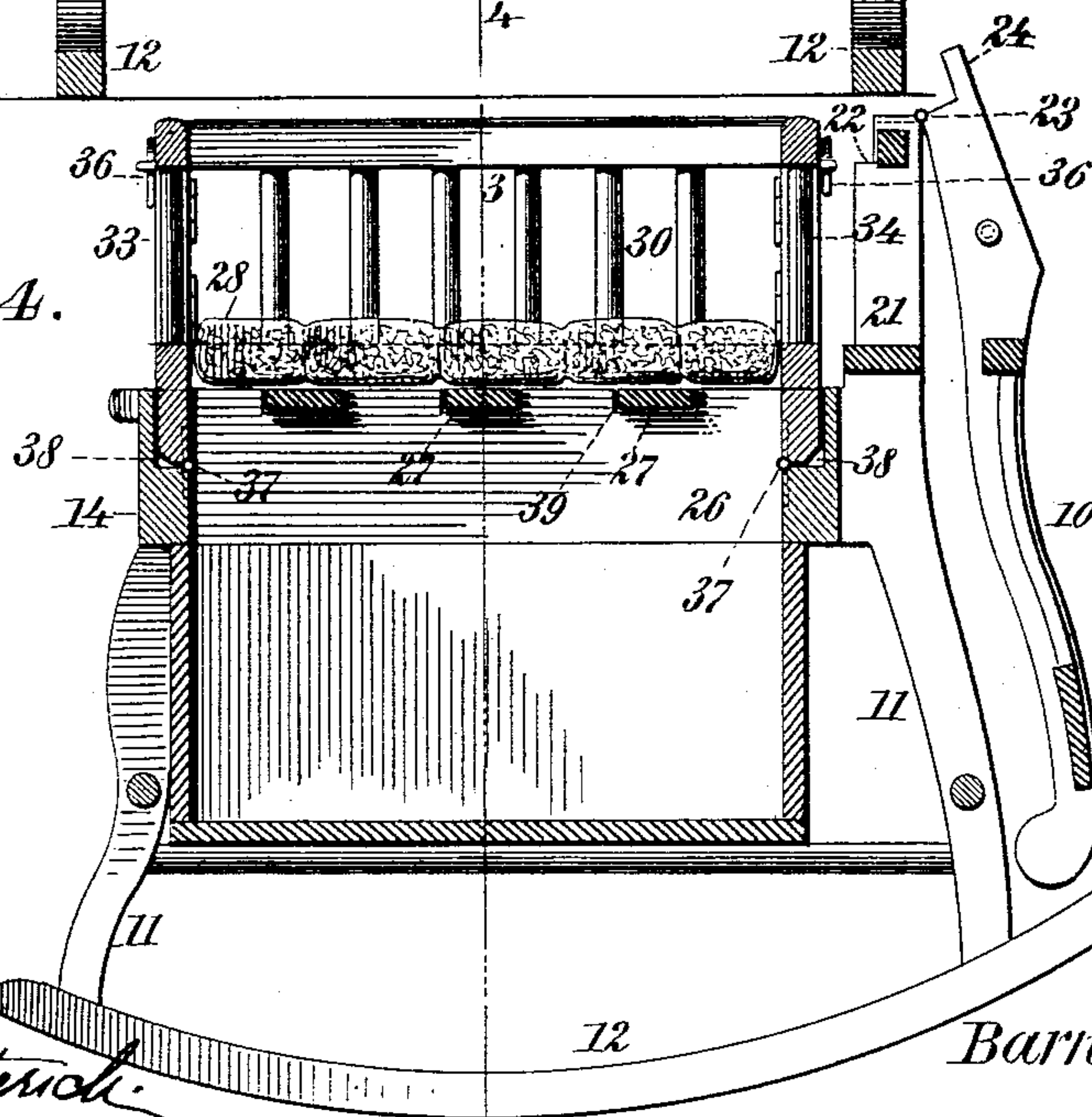


Fig. 4.



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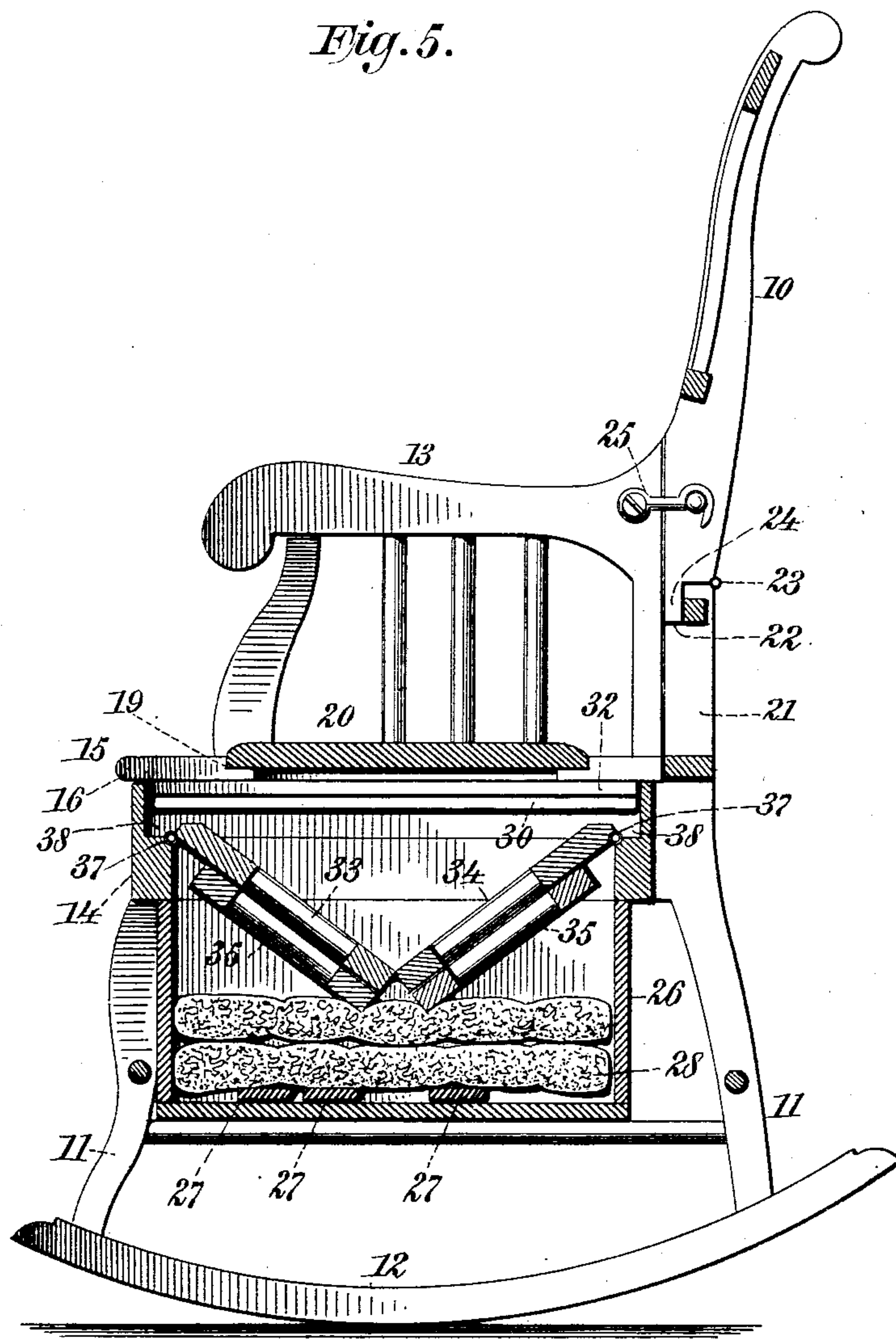
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3 SHEETS—SHEET 3.

Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

BARNET SMITH, OF NEW YORK, N. Y.

CONVERTIBLE CHAIR AND CRADLE.

SPECIFICATION forming part of Letters Patent No. 751,813, dated February 9, 1904.

Application filed December 5, 1903. Serial No. 183,859. (No model.)

To all whom it may concern:

Be it known that I, BARNET SMITH, a subject of the Emperor of Russia, and a resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Convertible Chairs and Cradles, of which the following is a specification.

The invention relates to improvements in convertible chairs and beds or cradles; and it consists in the novel features and combinations of parts hereinafter described and claimed.

The main object of the invention is to produce an article of furniture which may be used as a rocking-chair and also as a child's cradle, the article being convertible from a rocking-chair into a cradle and from a cradle into a rocking-chair.

In carrying out my invention I produce a very strong and safe structure and one which affords proper accommodations for both uses to which it may be put.

The invention will be fully understood from the detailed description hereinafter presented, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a convertible rocking-chair and cradle constructed in accordance with and embodying the invention, the structure being shown ready for use as a rocking-chair. Fig. 2 is a like view of same shown as ready for use as a cradle. Fig. 3 is an enlarged central vertical longitudinal section through the same on the dotted line 3 3 of Fig. 4. Fig. 4 is a central vertical transverse section of same on the dotted line 4 4 of Fig. 3, and Fig. 5 is a central vertical transverse section through the article when the same is arranged as a rocking-chair.

In the drawings, 10 designates the back of the chair; 11, the legs thereof; 12, the rockers; 13, the side arms; 14, the seat-supporting frame at the upper ends of said legs, and 15 the seat, the latter being in two corresponding sections 16 17, hinged at their outer edges at 18 to the said frame 14. The seat-sections 16 17 may at their adjoining portions be recessed, as at 19, to detachably receive a cushion 20.

The rear legs 11 have portions 21 extend-

ing upwardly above the seat 15, and these portions or extensions 21 at their front edges are recessed, as at 22, and upon their upper ends are secured by hinges 23 the back 10, which at its inner lower edges is formed with tongues 24 to enter the said recesses 22 when the back is in its upright position, as shown in Figs. 1 and 5. The hinges 23 permit the back 10 to be turned downwardly to the position represented in Figs. 2 and 4.

The side arms 13 are in the nature of frames rigidly secured at their lower ends to the seat-sections 16 17 and at their rear edges extending upwardly close along the front edges of the leg extensions 21 and lower portion of the back 10, as shown in Fig. 1. The arms 13 and back 10 may be detachably connected together by suitable hooks and eyes 25. One desirable feature of the back and arm construction just above described is that when the arms 13 are in their upright position (shown in Fig. 1) they afford substantial braces for the back 10 and effectually prevent the back while the article is being used as a rocking-chair from turning downwardly, even though the hooks and eyes 25 should become unfastened, and this result is due to the fact that the back 10 is provided with the tongues 24, extending below the line of the hinges 23 and engaging the rear edges of the arms 13, by reason of which the back 10 cannot turn downwardly until the arms 13 have been moved laterally from position in front of the said back.

Below the seat-sections 16 17 is a box-receptacle 26, within which the slats and bedding for the cradle may be kept when the article is in use as a rocking-chair, as shown in Fig. 5, and which receptacle is closed at its upper end by the slats 27 and mattress 28 when the article is to be used as a cradle, as shown in Figs. 2 and 4.

When the rocking-chair is to be converted into a cradle, the cushion 20 is removed and the hooks 25 unfastened, and thereupon the arms 13 and seat-sections 16 17 are turned outwardly on their hinges 18 until said arms are against the sides of the chair and said sections 16 17 extend horizontally outward from the upper side edges of the seat-frame 14, as shown in Figs. 2 and 3, in which condition of

the parts the arms 13 operate to effectually brace and support the said seat-sections. The back 10 is then turned downwardly on its hinges 23 to the position shown in Fig. 4. I then turn the head and foot boards 29 30, respectively, upwardly upon their hinges 31, Figs. 2 and 3, these head and foot boards being secured by the hinges 31 upon the under side of the seat-sections 16 17 and when in their upright position being at their lower outer edges in close relation to the cleat-strips 32, fastened upon the lower side of said seat-sections. The cleats 32 aid in preventing the head and foot boards from being forced outwardly beyond their vertical position. The head and foot boards having been turned to their upright positions, I turn the side rails 33 34 from their position shown in Fig. 5 to their upright position to connect with the head and foot boards. The side rails 33 34 correspond with each other and each has at its ends the hinged sections 35, and when said rails have been turned upwardly I then turn the said hinged sections 35 outwardly and secure them to the head and foot boards by hooks and eyes 36, thus completing the sides and ends of the bed. The side rails are secured to the seat-framing 14 by hinges 37, and when in their upright position the main body of the said rails at their lower edges set within recesses 38 in said framing 14, whereby said side rails are braced against undue outward movement. The hinged sections 35 of the side rails when in their extended position rest upon the seat-sections 16 17. The sides and head and foot boards having been properly arranged, I remove the mattress 28 and slats 27 from the receptacle 26 and place the slats across the top of the receptacle, resting their ends in the recesses 39, provided for them in the framing 14, Fig. 3, and then place the mattress upon these slats and the seat-sections 16 17, as represented in Fig. 2, the cradle then being ready for use.

When it is desired to reconvert the cradle into a rocking-chair, the slats 27 and mattress 28 are removed and placed into the bottom of the receptacle 26, and thereupon the sections 35 of the side rails are unhooked from the head and foot boards and folded inwardly against the middle or body part of said rails, and the latter then folded downwardly into the receptacle 26 to the position shown in Fig. 5, after which the head and foot boards are folded downwardly upon the seat-sections 16 17. Then the back 10 is turned upwardly to its vertical position, and then the seat-sections are turned inwardly toward each other to form the seat 15 and restore the arms 13 to their former vertical position. The hooks 25 will then be secured and the cushion 20 restored to the seat 15.

The article of furniture constituting my in-

vention may thus be used as a chair and as a bed for a child, the rockers of the chair serving as the rockers for the bed or cradle, the bed portion of the cradle being transverse to the rockers and being twice as long as the chair-seat is wide.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The convertible chair and bed comprising the seat, legs, side arms and receptacle, said seat being in sections hinged at their outer side edges to the seat-framing and having the side arms secured upon them, combined with the head and foot boards applied to the said seat-sections and the side rails applied to said seat-framing and having end portions to pass upon the seat-sections and engage said head and foot boards; substantially as set forth.

2. The convertible chair and bed comprising the seat, legs, side arms, receptacle and hinged back, said chair above its seat having the recessed extensions to which said back is hinged and said back having the tongues to enter said recesses and also engage the rear edges of said arms, and said seat being in sections hinged at their outer side edges to the seat-framing and having the side arms secured upon them, combined with the head and foot boards applied to the said seat-sections and the side rails applied to said seat-framing and having end portions to pass upon the seat-sections and engage said head and foot boards; substantially as set forth.

3. The convertible rocking-chair and cradle-bed comprising the seat, legs, rockers, side arms, and hinged back, said seat being in sections hinged at their outer side edges to the seat-framing and having the side arms secured upon them, combined with the head and foot boards applied to the said seat-sections and the side rails applied to said seat-framing and having end portions to pass upon the seat-sections and engage said head and foot boards; substantially as set forth.

4. The convertible chair and bed comprising the seat, legs, side arms and back, said seat being in sections hinged at their outer side edges to the seat-framing and having the side arms secured upon them, combined with the head and foot boards hinged to the lower side of said seat-sections, and the side rails hinged to said framing and having the hinged end portions to be extended out upon the seat-sections and engage said head and foot boards; substantially as set forth.

Signed at New York, in the county of New York and State of New York, this 3d day of December, A. D. 1903.

BARNET SMITH.

Witnesses:

J. GRAY,
CHAS. C. GILL.