J. LUHA.

INVALID CHAIR.

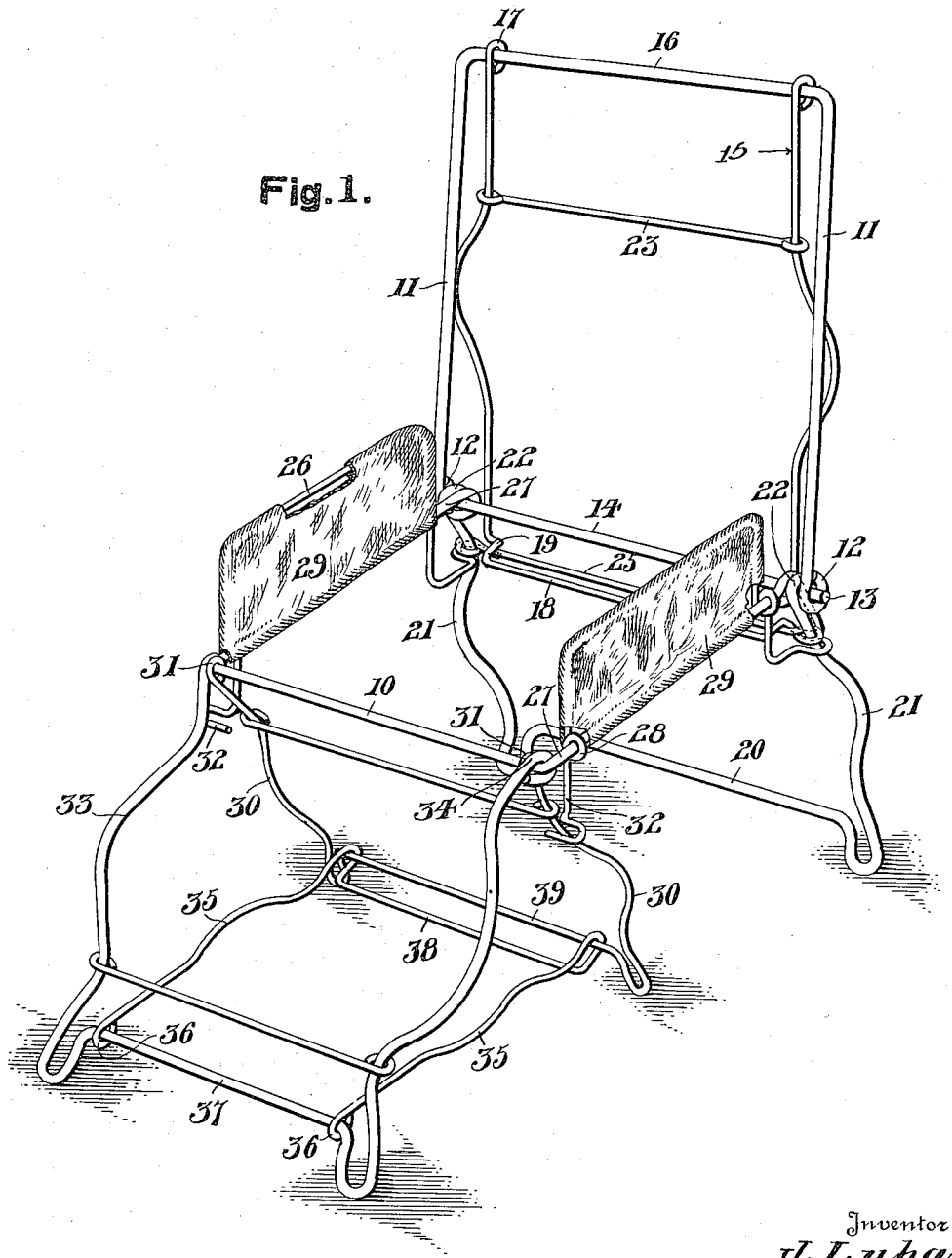
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1,155,588.

Patented Oct. 5, 1915.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses

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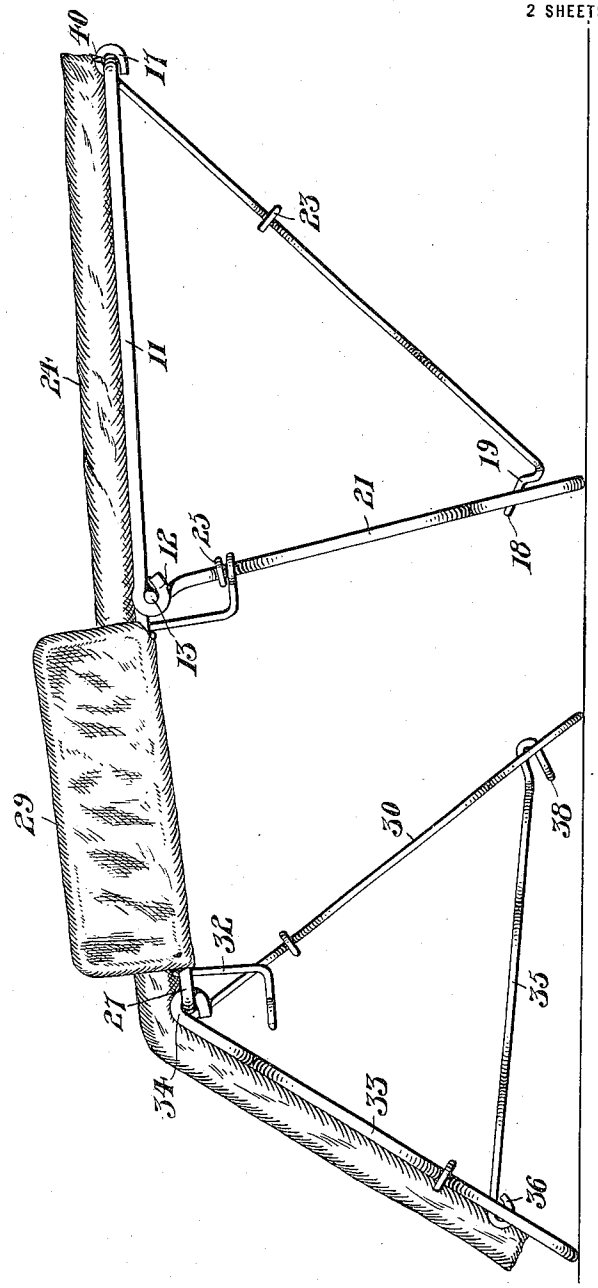
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2 SHEETS—SHEET 2.

Fig. 2.



Witnesses

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JOSEPH LUHA, OF FLEMINGTON, NEW JERSEY, ASSIGNOR OF ONE-HALF TO JOSEPH HREHOCSIK, OF FLEMINGTON, NEW JERSEY.

INVALID-CHAIR.

1,155,588. Specification of Letters Patent. Patented Oct. 5, 1915.

Application filed February 3, 1915. Serial No. 5,909.

To all whom it may concern:

Be it known that I, JOSEPH LUHA, a subject of the Emperor of Austria-Hungary, residing at Flemington, in the county of Hunterdon and State of New Jersey, have invented certain new and useful Improvements in Invalid-Chairs, of which the following is a specification.

This invention relates to new and useful improvements in invalid chairs.

The primary object of this invention is to provide a foldable chair positionable for use either as a chair or a partial or complete reclining couch.

A further object of the device is the provision of a metallic frame work foldable in a knock-down formation and having the parts thereof shiftable for forming a substantially horizontal mattress supporting frame and capable of being readily adjusted into chair form having either a horizontal, vertical or inclined foot portion.

With these general objects in view and others that will appear as the nature of the invention is better understood, the same consists in the novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings forming a part of this application and in which like designating characters refer to corresponding parts throughout the several views:—Figure 1 is a perspective view of the device positioned for use as a chair and with the mattress member removed therefrom, and Fig. 2 is a side elevation of the device positioned as a reclining couch and having the mattress positioned thereon.

Referring more in detail to the drawings, the frame work of the device it will be noted from the drawings is composed of metallic rods and provides a centrally positioned rectangular frame 10 forming the chair bottom support when the device is arranged as a chair and having a back 11 substantially U-shaped and pivoted by means of terminal rings 12 carried thereby being mounted upon the oppositely extending ends 13 of the rear rod 14 of the said base frame 10. A U-shaped strut 15 is hinged to the outwardly positioned end rod 16 of the back by means of terminal loops 17 carried by the said strut. The free end of the strut is in the form of a rod 18 having angularly bent strut portions 19 adjacent its opposite ends and whereby the said free end of the strut may be positioned upon the bottom cross rod 20 when desired as illustrated in Fig. 2 of the U-shaped rear leg member 21 which is hinged to the said rod ends 13 by means of terminal loops 22 of the said leg. In the chair formation as shown in Fig. 1, the strut 15 is folded against the back 11 and a cross brace 23 of the strut forms a part of the back support for the mattress 24 and when so positioned, the engaging end of the strut is springingly positioned over a cross rod 25 arranged adjacent the hinged end of the leg 21.

Side frames 26 are hinged to the opposite side rails 27 of the seat frame 10 by means of loops 28 of the said frames and a fabric 29 is secured over these frames which thereby form side or arm rests for the device when positioned in either of its formations.

A U-shaped front leg 30 is hinged to the forward portion of the base frame 10 by means of terminal loops 31 and the side frames 26 are provided with depending hooks 32 which are adapted to engage the sides of either or both of said front or rear legs for maintaining the side frames in their operative positions. A U-shaped foot portion in the form of a frame 33 is also hinged to the forward part of the bottom frame 10 by means of loops 34. A front strut 35 also substantially U-shaped is hinged as at 36 to the bottom transverse rod 37 of the foot frame 33 and has a hook-shaped rear end 38 which is adapted to engage over the lower rod 39 of the front foot 30 whenever the foot frame is positioned at an incline and is illustrated in both Figs. 1 and 2.

It will be seen that the mattress 24 may be secured upon the composite frame work as by means of cords 40 illustrated in Fig. 2 arranged wherever desired and that with the mattress so mounted upon the frame and the frame positioned as shown in Fig. 1, a serviceable invalid chair will be provided which will have an inclined foot portion supported by the foot frame 33. When desired to move the back 11 to a substantially horizontal plane, the strut 15 is disengaged from the rear leg rod 25 and the strut portion 19 positioned upon the leg rod 20 with the back 11 positioned as shown in Fig. 2. When the frame is positioned as shown in

either Fig. 1 or 2, the foot frame 33 may be moved to a vertical position by disengaging the strut 35 and so arranged that the foot frame and the rear leg will support the entire device, the strut 35 being then engaged with the bottom rod 20 of the rear leg while the front leg 30 is inoperative. Upon disengaging the different hook members of the device the entire frame work may be readily folded together in a compact form and is easily unfolded and assembled in any of the three constructions that may be found desirable.

While the form of the invention herein shown and described is what is believed to be the preferable embodiment thereof, it is nevertheless to be understood that minor changes may be made in the form, proportion and details of construction without departing from the spirit and scope of the invention as set forth in the appended claims.

What I claim as new is:—

1. A device of the class described comprising a metallic frame having a rectangular bottom, a U-shaped rear leg and a U-shaped back hinged to the rear portion of the said bottom, a foot engaging strut pivoted to the outer side of the said back and foldable with respect to the said back, side frames carried by the bottom and having leg engaging projecting hooks and a forwardly positioned triangular supporting frame work hinged to the said bottom.

2. A device of the class described comprising a metallic frame having a rectangular bottom, a U-shaped rear leg and a U-shaped back hinged to the rear portion of the said bottom, a foot engaging strut pivoted to the outer side of the said back and foldable with respect to the said back, side frames carried by the bottom and having leg engaging projecting hooks, a U-shaped front leg hinged to the said bottom, a U-shaped foot frame of substantially the same dimensions hinged to the said bottom and a strut carried by said foot frame and adapted for hooking engagement with the said front leg.

3. As an article of manufacture, a knock-down frame for convertible furniture comprising a rectangular bottom, a rear leg and back hinged to the said bottom, a leg engaging strut frame foldable against the said back and hinged thereto, a triangular front supporting frame pivoted to the said bottom and side frames pivoted to the said bottom and having projecting hooks adapted for engaging the said rear leg and front frame when the device is positioned as a chair.

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

JOSEPH LUHA.

Witnesses:
JOHN L. CONNET,
MICHAEL M. KELLY.

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