

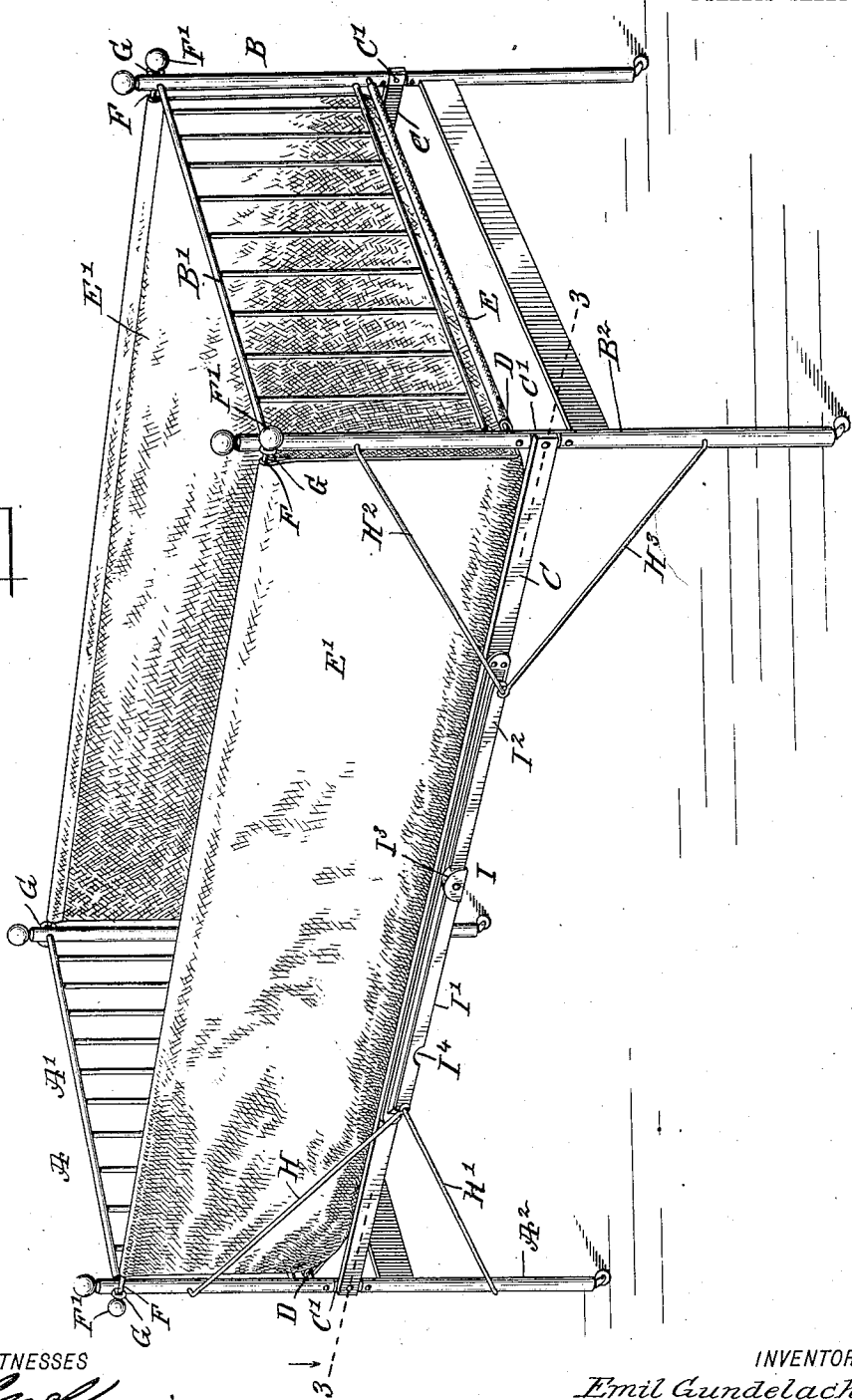
E. GUNDELACH.
FOLDING CRIB OR BED.
APPLICATION FILED OCT. 1, 1908.

938,315.

Patented Oct. 26, 1909.

2 SHEETS—SHEET 1.

Fig 1.



WITNESSES

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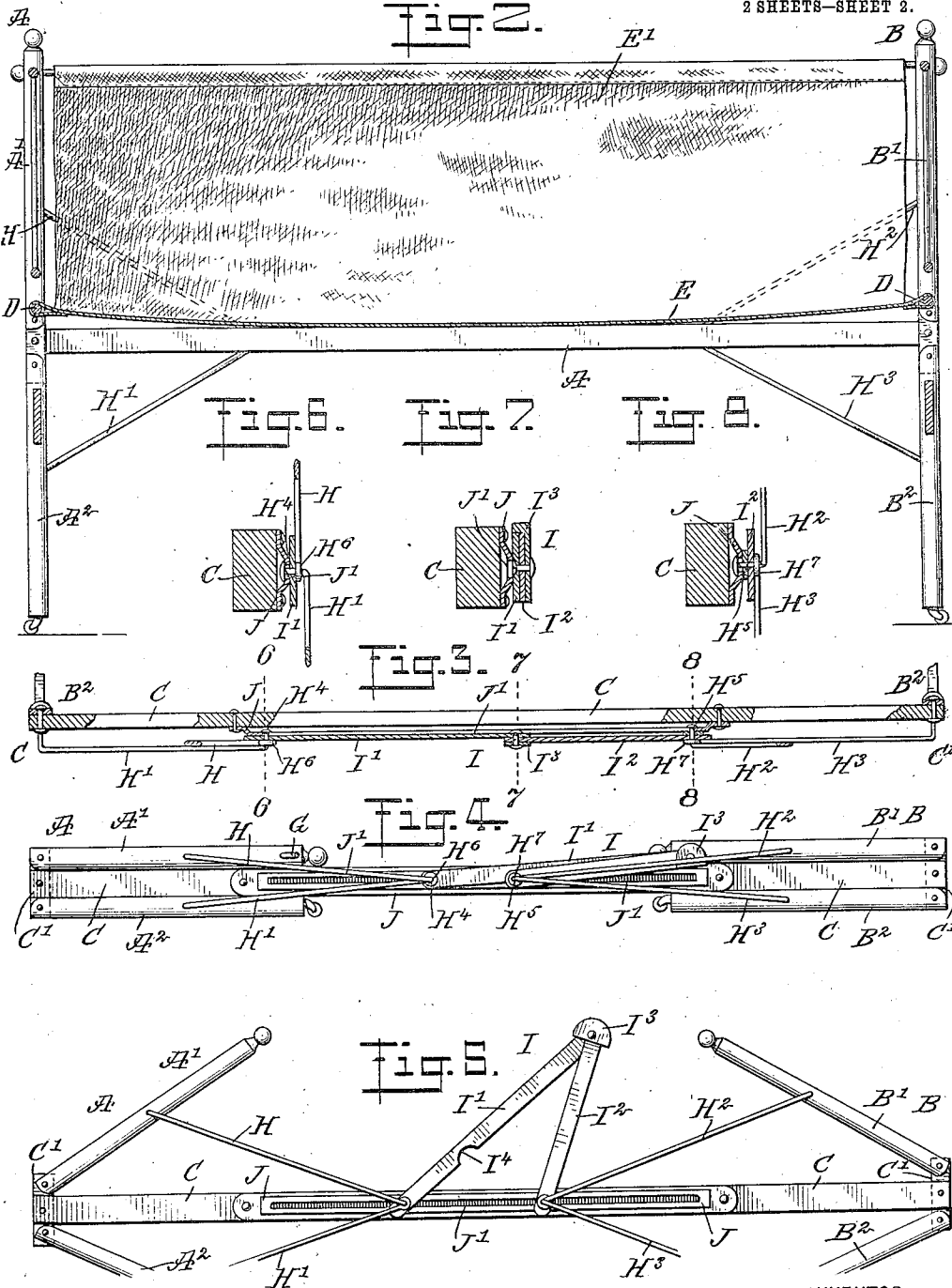
ATTORNEYS

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UNITED STATES PATENT OFFICE.

EMIL GUNDELACH, OF NEW ROCHELLE, NEW YORK, ASSIGNOR OF ONE-HALF TO ROBERT J. EHLERS, OF NEW YORK, N. Y.

FOLDING CRIB OR BED.

938,315.

Specification of Letters Patent.

Patented Oct. 26, 1909.

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To all whom it may concern:

Be it known that I, EMIL GUNDELACH, a citizen of the United States, and a resident of New Rochelle, in the county of Westchester and State of New York, have invented a new and Improved Folding Crib or Bed, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved folding crib or bed, which is simple and durable in construction, exceedingly strong and cheap to manufacture, and arranged to permit of conveniently folding it into a comparatively small bundle for transportation or storing purposes.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improvement in an extended position; Fig. 2 is a sectional side elevation of the same; Fig. 3 is a sectional plan view of the improvement on the line 3—3 of Fig. 1; Fig. 4 is a side elevation of the improvement in a folded position; Fig. 5 is a side elevation of the improvement in a partly folded position; Fig. 6 is an enlarged transverse section of the improvement on the line 6—6 of Fig. 3; Fig. 7 is a similar view of the same on the line 7—7 of Fig. 3; and Fig. 8 is a like view of the same on the line 8—8 of Fig. 3.

The head and foot pieces A, B of the crib or bed are made in upper and lower sections A', A² and B', B², respectively, pivotally connected to the vertical end members C' formed on the ends of the side rails C connecting the head and foot pieces A and B with each other. The upper sections A' and B' of the head and foot pieces A and B are provided near their lower ends with transversely-extending rods D, engaged by loops formed at the ends of the canvas bottom E of the crib or bed, the said canvas bottom E being connected at its sides with the canvas sides E', provided at their upper ends with loops, through which extend longitudinal rods F held in eyes G swiveled to the upper ends of the posts of the upper sections A', B'

of the head and foot pieces A and B. On the terminals of the rods F are removably held knobs F' abutting against the eyes G, and when removed permitting the removal of the rods F from the eyes G whenever it is desired to remove the canvas for washing or other purposes. The posts of the sections A', A² of the head piece A are pivotally connected with braces H, H', and similar braces H², H³ are pivotally connected with the posts of the sections B', B² of the foot piece B. The terminals of the braces H', H² form transversely-extending pivots H⁴, H⁵ (see Figs. 3, 6 and 8), and the said pivots are engaged by eyes H⁶, H⁷ formed on the braces H' and H³, and the said pivots H⁴, H⁵ engage the ends of sections I', I² of a bar I, normally extending longitudinally in front of the corresponding rail C, the sections I', I² being connected with each other by a knee joint I³, to hold the sections I', I² locked in an extended position, as shown in Figs. 1, 2 and 3, to allow of swinging the sections I', I² into a folded position, as indicated in Figs. 4 and 5.

The pivot pins H⁴, H⁵ extend into a longitudinally-extending slot J' in a guideway J, bolted or otherwise secured to the outer face of the corresponding side rail C. The inner ends of the pivots H⁴, H⁵ are provided with heads, as plainly indicated in Figs. 3, 6 and 8, so as to hold the pivots in position on the guideways J, but allow longitudinal movement of the pivots H⁴, H⁵ in the slots J'. Now when the crib or bed is in an extended position, as indicated in Figs. 1, 2 and 3, then the pivots H⁴, H⁵ are at the ends of the slots J' and the bars I are held extended so that the braces H, H', H², H³ hold the sections A', A², B', B² of the head and foot pieces A, B in a vertical position. The sides E' are held extended on the rods F supported in the eyes G.

When it is desired to fold the crib or bed, the operator takes hold of the joints I³ and pulls the same upward, so as to collapse the bars I, as indicated in Fig. 5. Now when this takes place, the pivots H⁴, H⁵ are carried along by the ends of the sections I', I² of the collapsing bars I, the said pivots traveling in the slots J', and by this movement the braces H, H', H², H³ are carried along, thus imparting a swinging motion to the sections A, A², B', B², to fold the same onto the top and bottom of the side rails C, as

indicated in Fig. 2. When the operator folds the sections B, B' then the eyes G push the loops of the canvas sides E' along on the rods F toward the middle thereof.

5 As the eyes G are swiveled they readily turn to allow the rods F to slide in the eyes G on folding the sections B, B'.

In order to permit close folding of the sections I', I², the section I' is made longer than the section I², and the section I' is provided with a cut-out portion I⁴ for accommodating the pivot H⁵ and to allow of folding the sections I', I² one close upon the other, as indicated in Fig. 4.

15 It is understood that the knee joints I³ prevent downward swinging of the sections I', I² of the bars I, when the latter are in an extended position, but the knee joints allow upward swinging of the said sections I', I² when a pull is exerted thereon in an upward direction, as previously explained.

From the foregoing, it will be seen that the sectional head and foot pieces A and B can be folded on the side rails C, so that the 25 crib or bed forms a comparatively small bundle which can be conveniently shipped or stored.

The canvas may be conveniently removed whenever it is desired to do so, for washing, 30 repairing or other purposes. In order to remove the canvas the operator removes one of the knobs F' on each rod F and then withdraws the rods F from the swivel eyes G and from the loops on the upper ends of the 35 canvas sides E'. The rods D are next disengaged from the head and foot pieces A and B and are then withdrawn from the loops at the ends of the canvas bottom E.

Having thus described my invention, I 40 claim as new and desire to secure by Letters Patent:

1. A folding crib or bed, comprising side rails, head and foot pieces pivoted on the said side rails to fold on the same, a folding

bar made in sections hinged together and 45 slidably connected with the said rails, and braces pivotally connected with the said bar and the said head and foot pieces.

2. A folding crib or bed, comprising side rails, head and foot pieces made in sections 50 pivoted on the said side rails to fold on the same, a folding bar made in sections hinged together and having their outer ends slidable lengthwise along the said side rails, and braces pivotally connecting the sections of 55 the said head or foot pieces with the said bar.

3. A folding crib or bed, comprising side rails provided with lengthwise-extending 60 guideways, head and foot pieces made in sections pivoted on the ends of the said side rails, bars made in sections, hinged together and made of unequal length, and pairs of braces pivotally connected with the said head and foot pieces and the ends of the said 65 bar sections, and a sliding connection between the said bars and the said guideways.

4. A folding crib or bed, comprising side rails provided with lengthwise-extending 70 guideways, head and foot pieces made in sections pivoted on the ends of the said side rails, bars made in sections hinged together and made of unequal length, pairs of braces pivotally connected with the said head and foot pieces and the ends of the said bar sections, and a sliding connection between the 75 said bars and the said guideways and consisting of one of the pivot pins of a brace of each pair of braces extending into the corresponding guideway. 80

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EMIL GUNDELACH.

Witnesses:

ROBT. J. EHLERS,
M. TAPOLOW.