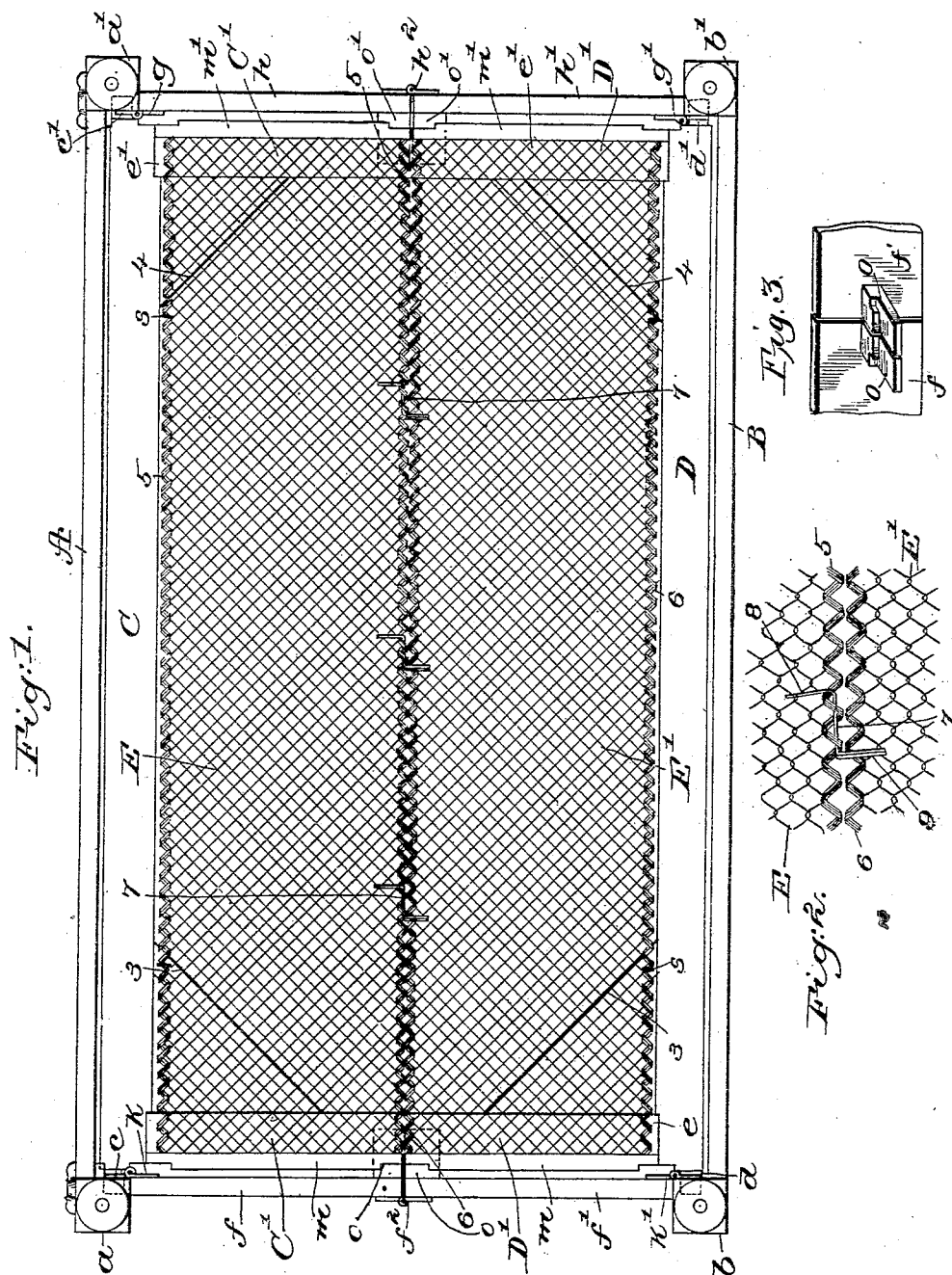


(No Model.)

J. G. ABBOTT & S. R. ROBINSON.
FOLDING CRIB.

No. 504,646.

Patented Sept. 5, 1893.



Witnesses.

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FOLDING CRIB.

SPECIFICATION forming part of Letters Patent No. 504,646, dated September 5, 1893.

Application filed October 8, 1892. Serial No. 448,171. (No model.)

To all whom it may concern:

Be it known that we, JOHN G. ABBOTT and SAMUEL R. ROBINSON, of Antrim, county of Hillsborough, State of New Hampshire, have
5 invented an Improvement in Folding Cribs, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

10 Prior to this invention cribs for use of children have had head and foot boards hinged centrally to be folded, and the bed bottom has been made in two parts separated longitudinally along the longitudinal center of the bed
15 and hinged to each side rail, each half of the bottom being composed of a quadrilateral frame covered by slats or otherwise and making a folding slat-bottom, the inner long sides of each frame being adjacent to each other
20 along the center of the crib when unfolded, making an unyielding center to the bed.

Our invention has for its object to improve the construction of this class of crib to make it lighter in weight, easier for a child, and less
25 noisy, and yielding throughout the surface of the bed.

In accordance with our invention we have made the bed bottom of two like E-shaped frames, the shorter arms of the frame being
30 rigidly braced by diagonal braces extended from the one side-bar, thus leaving the central part of the bed open and unobstructed, and upon these E-shaped frames the open faces or sides of which face each other we
35 have extended from short arm to short arm wire cloth having strong selvage wires, and we have connected the contiguous edges of the wire fabrics together, so that the wire cloth makes a suspension surface for the mat-
40 tress, yielding in all its parts.

Figure 1, is a plan view of a crib embodying our invention; and Fig. 2, is an enlarged view of a portion of the wire bottom, showing
45 one form of device for connecting the adjacent selvage edges of the wire bottom. Fig. 3 is a perspective detail view of the supporting blocks carried by the head and foot boards, to be described.

The corner posts a, a' and b, b' are connected
50 by side rails A and B in usual manner, and the inner side of each corner post is recessed substantially opposite the lower edges of the

side rails to form a bearing for like journals c, c' and d, d' at the opposite ends of longitudinally extended bottom bars C and D
55 having extensions or arms C', D' , thus making two E-shaped frames. The arms C', D' , are fastened rigidly to the side bars substantially at right angles thereto at or near their ends and extend inwardly toward each other
60 to the center line of the crib when the latter is unfolded, as shown in Fig. 1, said arms being held in position against transverse strains by diagonal braces 3, 4, preferably mortised
65 into both the arms and the side bars to give greater strength and rigidity to the two-part bottom frame formed thereby.

The head board is formed in two parts h, h' hinged or jointed to each other at h^2 and to the corner posts a', b' , at g and g' respectively, the hinges being so located that the
70 two parts of the head board will fold inward and upon each other. In like manner, the parts f, f' , of the foot board are hinged or jointed to each other at f^2 , and to the posts a, b' at k, k' , the parts of the foot board also
75 folding inwardly and upon each other.

Asherein shown the bed bottom is composed of two sections of woven wire fabric E, E', having selvage edges 5, 6, shown as formed
80 of several strands of wire interwoven to make the outermost edges of the fabric. Each section is stretched over one-half of the supporting frame, and is secured thereto at the ends by cleats m, m' , attached to the outer edges
85 of the arms C', D' respectively, the fabric being bent down and over the edges of the arms and between them and the superimposed cleats.

If desired, staples or other suitable fasten-
90 ings s may be inserted in the outer edges of the wire fabric to connect it to the diagonal braces, the outer longitudinal edges of the sections, however, being beyond the inner edges of the bottom bars, to thus support the
95 bottom sections at their ends only, giving greater spring thereto.

The inner adjacent edges of the bottom sections may be connected, if desired, when the crib is in use, and we have shown herein
100 a convenient form of fastener, see Fig. 2, it consisting of a piece of stout wire 7 bent at the ends in opposite directions to form an arm 8 and a hook 9, the part 7 being run through

several turns in the selvage of one section, the hook 9 engaging a link or mesh of the other section, the arm 8 resting against the surface of the first section, keeping the part 5 9 of the fasteners at substantially the same level or in proper position to engage the other section of the bottom.

We have shown three fasteners in Fig. 1, but we desire it to be understood that more 10 may be used, or fastenings may be dispensed with altogether, without departing from our invention. The outer edges of the arms C', D', when the crib is in use rest on suitable supports shown as notched blocks o, o', see 15 Figs. 1 and 3 fastened to the inner sides of the head and foot boards, one block being secured to each half thereof said blocks forming rests or stops for the inner ends and under sides of the arms C', D', and their attached 20 cleats m and m' thus supporting the ends of the bottom frame at their middle portions and also keeping the head and foot boards fully extended, the arms also bracing the crib to keep the frame more in place.

In the folding cribs as commonly constructed the center of the bed bottom is hard and unyielding, owing to the rigid inner sides of the folding portions, and the rigid inner side is necessary in order to preserve the shape 30 and rigidity of the folding portion. By the use of the double L-shaped frames, however, we obviate the use of this rigid central portion, for the diagonal braces maintain the end arms rigidly in place relative to the attached side rails, and the bed bottom is suspended from said end arms. The center of 35 the bed bottom is thus made flexible instead of unyielding, and the bed is easy and yielding in all portions, a most useful and desirable result. Should the adjacent inner edges of the two bed bottom sections yield unequally 40 the fasteners may be used to connect them, though it will frequently happen that the sections will yield so equally that when the mattress is in place no fastenings will be necessary. 45

When it is desired to fold the crib the section having the fastenings is first raised, to thus remove the fastenings from engagement with the adjacent edges of the sections E', 50 and then section E' is raised, both sections

being turned about its journals against the inner sides of the adjacent side rails. The head and foot boards are then turned in toward each other by means of the hinges, as described, the parts of said head and foot 55 boards folding against each other and the upturned bottom frames, so that all the moving parts of the crib are inclosed by the corner posts and side rails.

Our invention is not restricted to the use 60 of any particular woven wire fabric, but the crib has a bottom flexible and yielding along its center portions.

Having described our invention, what we claim, and desire to secure by Letters Patent, 65 is—

1. A folding crib having rigid side rails, and hinged head and foot boards, and supports secured to said head and foot boards, combined with a two-part bottom composed of E- 70 shaped frames, each frame being pivotally supported adjacent to one of the side rails, diagonal braces for the end arms of the frames, and an independent wire-fabric bottom-section suspended from the end arms of each 75 frame, said arms resting on the supports when the crib is extended, substantially as described.

2. A folding crib having rigid side-rails, and hinged head and foot boards, and supports 80 secured to said head and foot boards, combined with a two-part bottom composed of E-shaped frames, each frame being pivotally supported adjacent to one of the side rails, diagonal braces for the end arms of the frames, 85 an independent wire-fabric bottom-section suspended from the end arms of each frame, said arms resting on the supports when the crib is extended, and detachable fasteners to connect the adjacent free longitudinal edges 90 of said sections, substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

JOHN G. ABBOTT.

SAMUEL R. ROBINSON.

Witnesses:

Mrs. J. E. YENNEY,

IDA M. DODGE.