

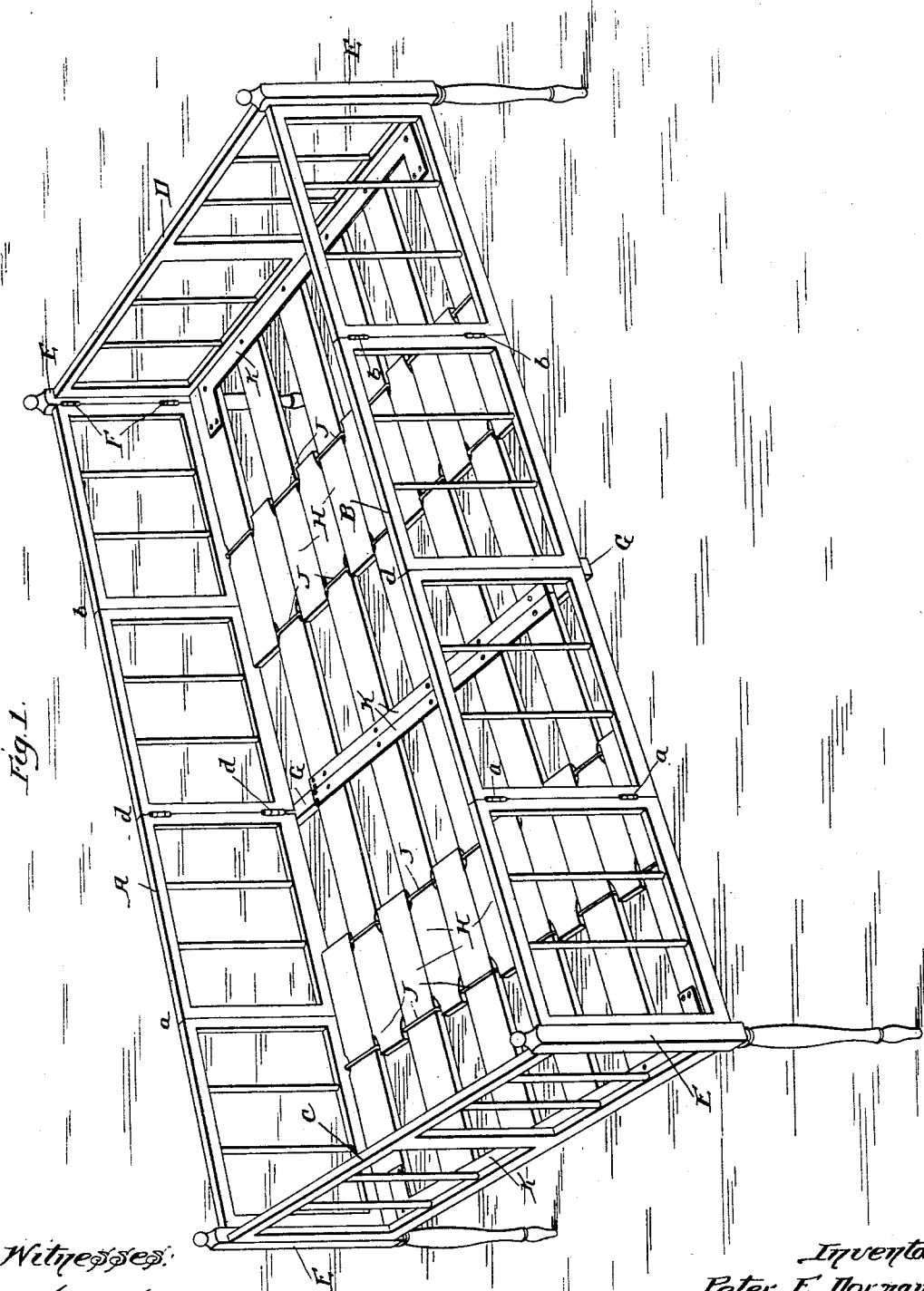
(No Model.)

2 Sheets—Sheet 1.

P. E. DORNAN.
FOLDING BED OR CRIB.

No. 586,333.

Patented July 13, 1897.



Witnesses:

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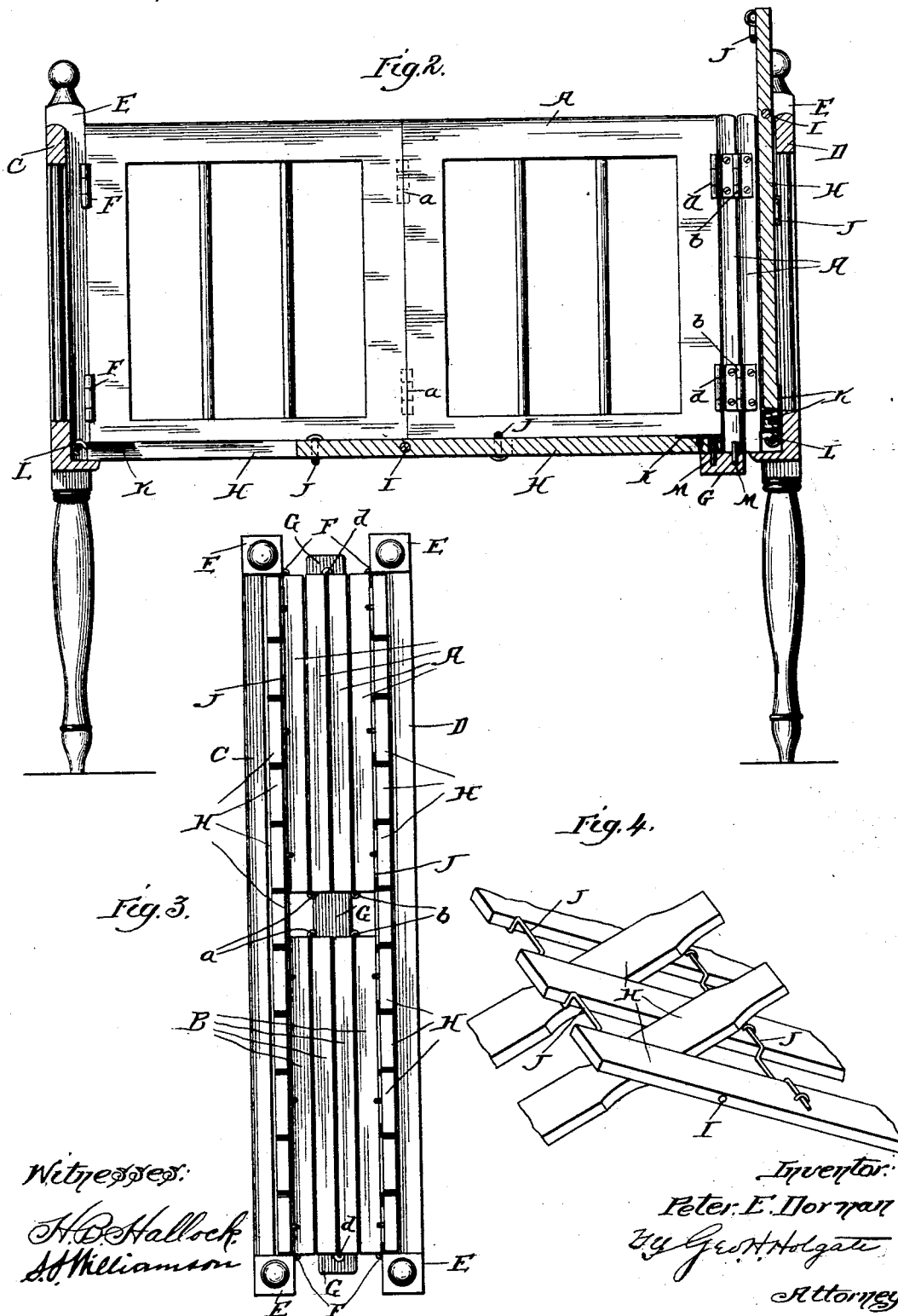
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UNITED STATES PATENT OFFICE.

PETER E. DORNAN, OF NEW YORK, N. Y.

FOLDING BED OR CRIB.

SPECIFICATION forming part of Letters Patent No. 586,333, dated July 13, 1897.

Application filed September 18, 1896. Serial No. 606,228. (No model.)

To all whom it may concern:

Be it known that I, PETER E. DORNAN, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Folding Beds or Cribs, of which the following is a specification.

This invention relates to a new and useful improvement in folding beds or cribs, and has for its object to so construct a device of this description as to permit its being folded within a very small compass in order that it may occupy a small space when not in use and also to render it as rigid as a crib of ordinary construction when adjusted for use.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth, and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective of a crib built in accordance with my improvement, illustrating the same adjusted for use; Fig. 2, a central longitudinal section of the crib, showing one-half thereof folded; Fig. 3, a plan view of the crib when completely folded; and Fig. 4, a detailed perspective of the meeting ends of one set of the bottom slats positioned at an angle, so as to more clearly illustrate their operation.

In carrying out my invention I form the body of the crib of sectional sides A and B and ends C and D, said ends being rigidly secured to the corner-posts E, while the sides are hinged thereto at F, as clearly shown in Fig. 1. Each of the sections of the sides are also hinged together at *a*, *b*, and *d*, so that they may be folded inward at *a* and *b*, while the hinges *d* and F serve only to permit this inward folding. A cross-rail G is secured to the middle sections of the sides at the point where the hinges *d* are located, so as to prevent the sidewise displacement of these por-

tions of the sides. Thus it will be seen that when no obstruction is offered to the folding of the body of the crib it may readily be so folded as to assume the appearance shown in Fig. 3, when it occupies but small space and may be easily stored by placing it under an ordinary bed or within a closet.

The bottom of the crib is composed of two series of slats H, each series consisting of two sets which have their ends interlocked and pivoted together at I, as shown in Fig. 4, and the crank-shaped rails J are stapled or otherwise secured to the slats, so that they may be turned first in one direction and then in the other for holding the ends of said slats in line with each other or permitting them to so fold as to lie in the same horizontal plane between each other, as clearly shown. The outer ends of each set of slats are provided with metal or other suitable strips K, so as to hold them in alinement and render the set more rigid. The outer ends of each of the series of slats are hinged at L to the ends of the body, so that when the crib is to be folded each series is turned vertically, and the superior set of each of said series is then turned downward into parallelism, as shown upon the right of Fig. 2, after which the body of the crib may be folded, as before described.

To adjust the crib in position for use, the reversed operation is had, which consists in distending the body by drawing the ends outward, thus unfolding the sections of the sides, after which the set of slats of each of the series which was previously swung downward is swung upward into line with the remaining slats, when each series is turned down into position to form the bottom of the crib, which is rendered more rigid by dowel-pins M, which are set in the cross-rail and adapted to enter suitable holes in the ends of the slats.

From this description it will be seen that a very cheap and effective folding crib is provided by my improvement which may be quickly folded into a small compass for storage or shipping and which may be quickly adjusted for use, after which it will be as rigid as cribs of ordinary construction, and this is of great advantage when space is a desideratum, since when the crib is out of

use it may be placed beneath an ordinary bed or stored within a closet or other convenient locality.

Having thus fully described this invention, what is claimed as new and useful is—

1. In a bed two series of slats, each series being composed of two sets, one set being hinged at the end of the bed and the other set having the ends interlocking the ends of the first-named set and pivoted so as to fold or extend into the same plane therewith, and cranked rails secured to each set, as and for the purpose described.

2. In combination, sides composed of sections hinged together so as to fold upon a zigzag line, posts to which said sides are hinged, ends rigidly secured to the post, a cross-rail secured to the sides at their centers, so as to hold this point against lateral displacement, and two series of slats, each composed of two sets adapted to be folded into the same plane, substantially as and for the purpose set forth.

3. A folding crib comprising two sides, each consisting of sections hinged together so as to fold upon a zigzag line, corner-posts to which said sides are hinged, ends rigidly secured to said post, a cross-rail secured to the sides so as to maintain their centers against lateral displacement, a bottom composed of

two series of slats, each series consisting of two sets hinged together at I, cranked rails stapled upon the slats so as to be turned to permit the slats to be opened or closed, and dowel-pins for rendering the bottom rigid when not placed, substantially as and for the purpose set forth.

4. In combination with a folding crib of the character described, a bottom comprising two series of slats, each series consisting of two sets hinged together at I, cranked rails stapled to one set of the slats in each series, so that these slats may be folded into the same plane or distended in line, substantially as and for the purpose set forth.

5. In a bed, two sets of slats forming the bottom of said bed, said slats having their ends interlocking and pivoted to fold in the same plane, crank-shaped rails secured near the ends of the slats, so that they may be turned to hold the slats in either of the positions, substantially as described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

PETER E. DORNAN.

Witnesses:

S. S. WILLIAMSON,
PHILIP BROWN.