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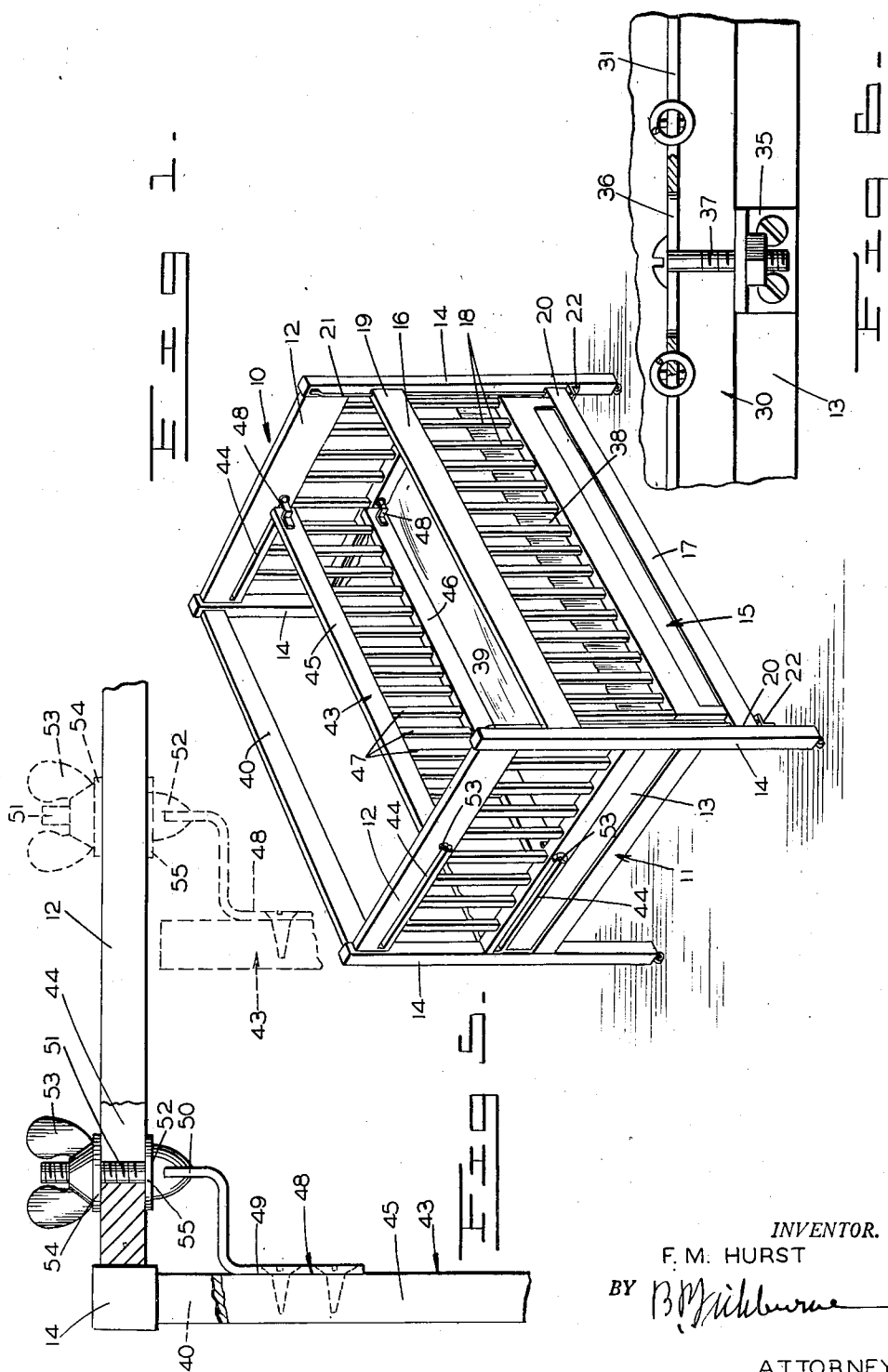
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CHILD'S CRIB HAVING A MOVABLE PARTITION

Filed Sept. 16, 1947

2 Sheets-Sheet 1



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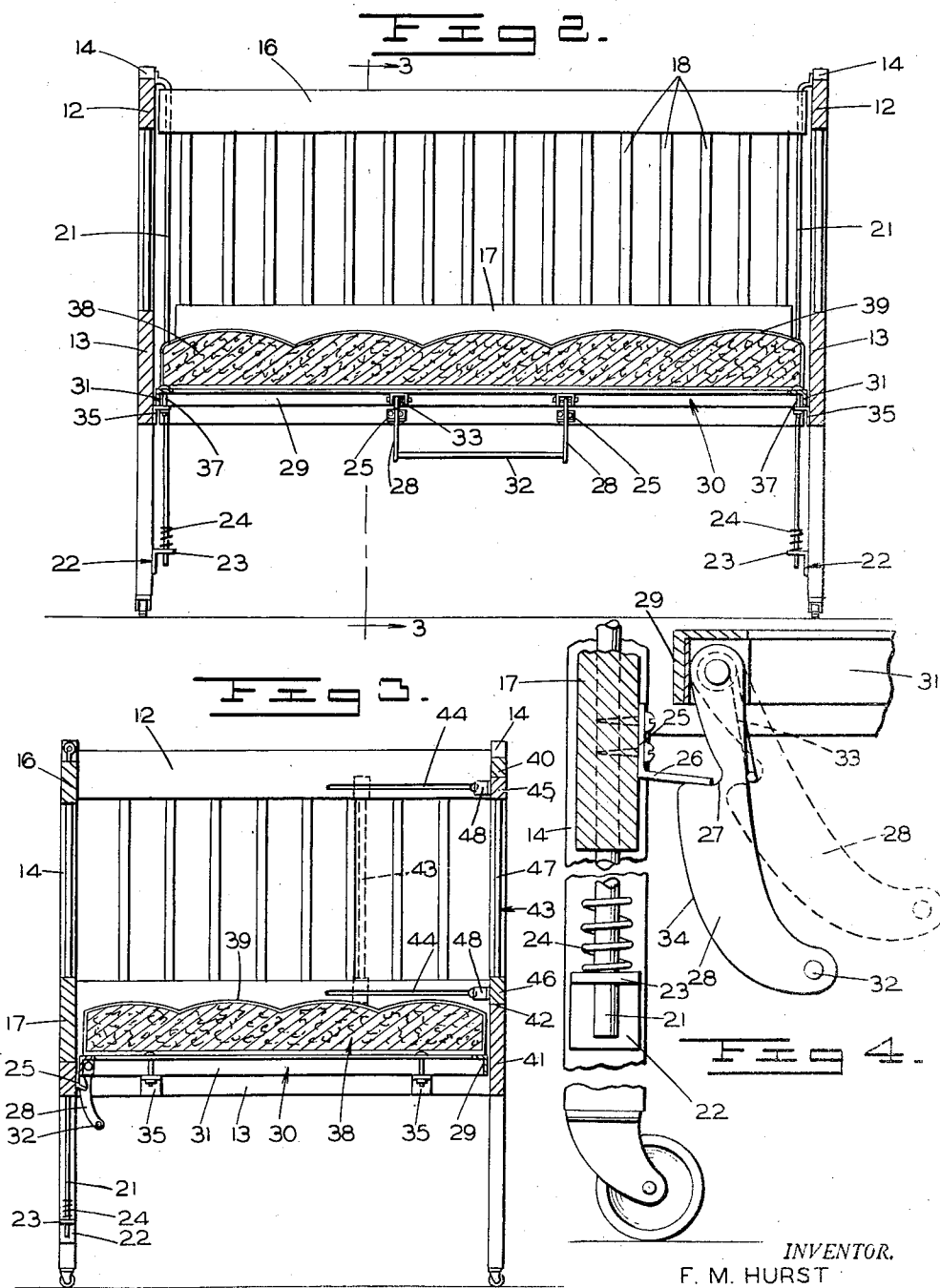
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CHILD'S CRIB HAVING A MOVABLE PARTITION

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2 Sheets-Sheet 2



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CHILD'S CRIB HAVING A MOVABLE
PARTITION

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5 Claims. (Cl. 5—100)

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My invention relates to a child's crib, and more specifically to a crib having a horizontally moveable side.

An important object of the invention is to provide a crib, wherein one of the vertical sides is adjustable horizontally to vary the width of said crib.

A further object is to provide a crib with a horizontally moveable side which is disposed close to the mattress, and adapted to clamp the covers in place against such mattress.

A further object is to provide a crib of the above mentioned class, wherein the conventional appearance and strength of the same are not impaired.

A still further object is to provide a crib of the above mentioned class which is simple and sturdy in design, easy to adjust, and no more expensive to manufacture than conventional types of cribs.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawings, forming a part of this application, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a perspective view of a crib embodying the invention.

Figure 2 is a central vertical longitudinal section through the same.

Figure 3 is a transverse vertical section taken on line 3—3 of Figure 2.

Figure 4 is an enlarged fragmentary vertical section showing latch means for a vertically moveable crib side.

Figure 5 is an enlarged fragmentary plan view of the crib showing the horizontally adjustable side in different adjusted positions, and.

Figure 6 is an enlarged fragmentary detail view showing a portion of a crib spring and adjusting means therefor.

In the drawings, where for the purpose of illustration is shown a preferred embodiment of the invention, the numeral 10 designates the head end of a crib, also including an identical foot end 11. These ends 10 and 11 each include a top horizontal rail 12 and a deep bottom rail 13. The top and bottom rails 12 and 13 are permanently, rigidly connected at their opposite ends to corner posts 14, thus forming the rigid vertical head and foot ends 10 and 11.

The crib is provided at one side thereof with the usual vertically adjustable side 15. This side 15 comprises a longitudinal top rail 16 and a deep bottom rail 17, rigidly connected by a plurality of vertical slats 18. The bottom rail 17 is of the same depth as the bottom rails 13. The rails 16 and 17 have end extensions 19 and 20, having aligned vertical openings therein, to slideably receive vertical guide rods 21, rigidly

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attached at their upper ends to the adjacent corner posts 14. Right angle brackets 22 are rigidly secured to the two corner posts 14 adjacent to the side 15, and near the lower ends of such posts. The horizontal webs 23 of the angle brackets 22 have openings to receive the lower ends of the guide rods 21 therein. Compressible coil springs 24 surround the rods 21, and are seated upon the webs 23, Figure 3. The springs 24 serve as bumpers to be engaged by the bottom rail 17, when the side 15 is in the lowermost vertical position.

Latch means are provided to releasably hold the side 15 in the uppermost position. Such means include a pair of angle brackets 25, rigidly secured to the inner side of the bottom rail 17, near the lower edge thereof. These brackets are disposed near the longitudinal center of the side 15, and have downwardly inclined webs 26, to engage in notches 27 found in the outer sides of depending latch arms 28. The latch arms 28 are pivotally connected at their upper ends, as shown, to one of the side members 29 of a rectangular crib spring 30, including end members 31. The lower ends of the arms 28 are connected by a foot bar 32, which may be pushed inwardly to the position shown in dotted lines in Figure 4, to lower the side 15. A spring 33 is provided, to resiliently hold the arms 28 in the outer or latching position, shown in full lines in Figure 4. When the vertically moveable side 15 is in the lowered position, and is then moved to the raised position, the webs 26 engage the outer curved edges 34 of the arms 28 and swing the arms inwardly automatically. The webs 26 will automatically enter the notches 27, and the side 15 is maintained in the raised position until the foot bar 32 is pushed inwardly.

The spring 30 is disposed horizontally, and is supported upon angle brackets 35, rigidly mounted upon the lower rails 13 of the head and foot ends. The spring members 31 have horizontal adjusting slots 36 to receive bolts 37 which are received in openings in the fixed brackets 35. This arrangement permits the lateral adjustment of the spring 30, to assure proper positioning of the latch means, including the arms 28 and webs 26. This spring mounting arrangement also adds to the rigidity of the crib structure, since the spring frame is rigidly connected through the brackets 35 with the ends 10 and 11. A mattress 38 is disposed upon the spring 30, and the top surface 39 of this mattress is near the top edges of the bottom rails 13.

This invention is particularly concerned with the side of the crib opposite to the vertically moveable side 15. At such side a top rail 40 is permanently rigidly secured at its opposite ends to the adjacent corner posts 14. The top edge of this rail 40 is at the same elevation as to top edge of the rail 16, but the rail 40 is of lesser

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depth than the rail 16. A bottom rail 41 is permanently rigidly connected to the same adjacent posts 14, and the bottom edge of this rail is at the same level as the bottom edge of the rail 17, when the side 15 is in the normal or raised position, see Figure 3. The rail 41 has less depth than the rail 17, and its top edge 42 terminates below the top edge of the rail 17, Figure 3. The rails 40 and 41 form a rigid structure with the associated corner posts 14.

Disposed between the top rail 40 and bottom rail 41, and adapted to move inwardly horizontally over the mattress 38, is a vertical side 43, or moveable partition. This horizontally moveable side 43 may be adjusted from its outer position between the rails 40 and 41 to an inner position like that shown in dotted lines in Figure 3. Parallel longitudinal slots 44 are formed in the top and bottom rails 12 and 13. These slots are horizontal, and extend inwardly laterally from points near the adjacent corner posts 14 to points near the transverse center of the crib. These slots 44 serve as guides for the horizontally moveable side 43. The side 43 includes top and bottom longitudinal rails 45 and 46, rigidly connected by a plurality of longitudinally spread slats 47. The rail 45 is of such depth, that when the side 43 is in the outermost position and between the rails 40 and 41, the combined depths of the top rails 40 and 45 are exactly the same as the depth of the top rail 16 of the opposite crib side. Likewise, the combined depths of the rails 41 and 46 are equal to the depth of the rail 17. This is important, since the conventional appearance of the crib is not impaired by the use of the moveable side 43. The sides of the crib appear the same, when the side 43 is in the outer position, Figure 3. The rails 40 and 45 constitute a single top rail, like the rail 16, when in their relative positions, shown clearly in Figure 3. When the side 15 is raised, and the side 43 is in its outermost position, the bottom rails 13, and 17, with the member or rail formed by the rails 41 and 46, constitute a continuous rectangular bottom frame extending entirely around the crib.

The top and bottom rails 45 and 46 have brackets 48 rigidly mounted upon their inner faces and near their opposite ends. Each bracket 48 includes a flat longitudinal member or portion 49, for connection to the adjacent rail of the side 43, and a laterally inwardly offset portion 50. The portion 50 has a longitudinal screw threaded extension or stud 51, integral therewith, which is provided with an intermediate enlargement or shoulder 52. The stud 51 extends slideably through the adjacent slot 44, and carries a clamp or wing nut 53, seated on a washer 54, disposed upon the outer side of the rail 12. A washer 55 is provided between each shoulder 52 and the inner side of the rail 12.

In use, the wing nuts 53 are loosened, and the side 43 can be adjusted laterally inwardly or outwardly as desired. When the side 43 is at its innermost position, Figure 1, the crib is made substantially narrower, and there is less room for a child to roll about while sleeping. The lower edge of the bottom rail 46 is close to the top surface 39 of the mattress, and is adapted to slide over the bed covers or blankets, and clamp the same against the mattress. This prevents the sleeping child from becoming uncovered. Obviously, when the wing nuts 53 are tightened, the side 43 will be locked in the selected adjusted position. The offset construction of the brackets 48 permits the side 43 to move between the rails

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40 and 41, Figure 3. The crib construction shown and described is simple and practical.

It is to be understood that the form of my invention, herewith shown and described, is to be taken as a preferred example of the same, and that various changes in the shape, size, and arrangement of parts may be resorted to, without departing from the spirit of the invention, or the scope of the subjoined claims.

10 Having thus described the invention, I claim:

1. In a child's crib, head and foot ends, each end having transversely extending slots formed therein, a mattress supporting element supported by the crib, and a laterally adjustable side supported by said head and foot ends and including parts to slide in the slots, the lower edge of said side being arranged close to the top surface of the mattress and adapted to clamp blankets and the like against the same.

20 2. In a child's crib, head and foot ends, each end having a transverse slot formed therein, a mattress supporting element for the crib, and a laterally adjustable partition including parts to engage in said slots, the bottom edge of said partition being arranged close to the mattress for clamping covers against the same.

3. In a child's crib, upstanding head and foot ends, each end including a top and bottom rail, each rail having a longitudinal slot formed therein, a vertically adjustable side for the crib connected with the ends, a top rail at the opposite side of the crib connected with the ends, a bottom rail disposed beneath the second named top rail and connected to the ends, and a laterally adjustable side for the crib and including parts to slide in the slots, such side being adapted to enter between the second named top and bottom rails when in the outermost position.

4. In a child's crib, upstanding head and foot ends, each end including a top and bottom rail, each rail having a substantially horizontal slot formed therein, a top rail at one side of the crib permanently connected to the ends, a bottom rail at the same side of the crib disposed below the second named top rail and permanently secured to the ends, a horizontally moveable side including top and bottom rails, the last named rails including parts to slide in the slots and being adapted to move adjacent to the second top and bottom rails to form therewith deep rails, and means to clamp the horizontally moveable side in the selected adjusted position.

5. In a child's crib, head and foot ends having substantially horizontal slots formed therein, a top rail disposed at one side of the crib and permanently connected to the ends, a bottom rail disposed below the top rail and permanently connected to the ends, a horizontally moveable side disposed between the top and bottom rails and adapted to move inwardly, brackets secured to the moveable side and including screw threaded studs to slideably enter the slots, and nuts carried by the studs to clamp the moveable side at the selected adjusted position.

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