J. E. OLIPHANT.

FOLDING CRIB AND PLAY PEN.

APPLICATION FILED JAN. 31, 1914.

1,105,156. Patented July 28, 1914.

Fig. 1

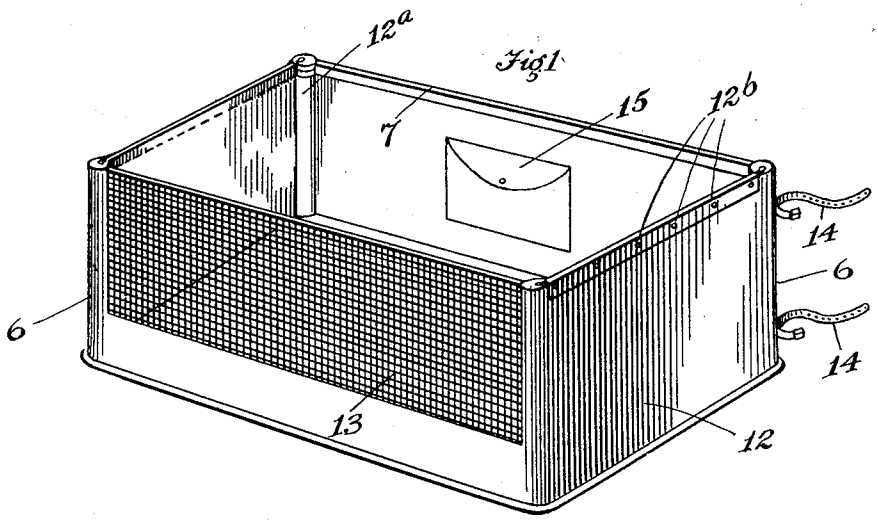


Fig. 7

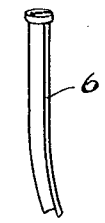


Fig. 2

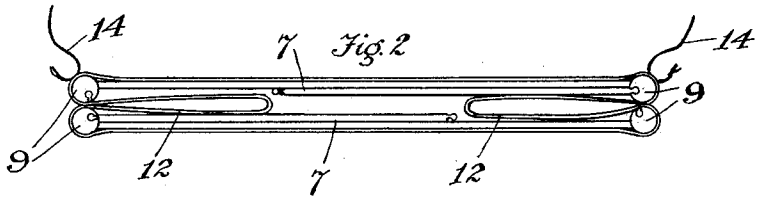


Fig. 3

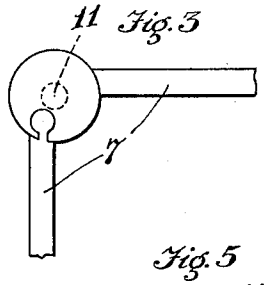


Fig. 4

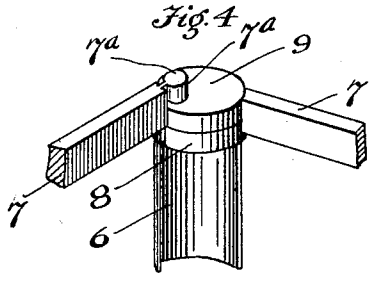
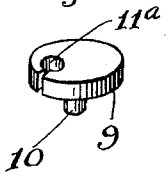


Fig. 5



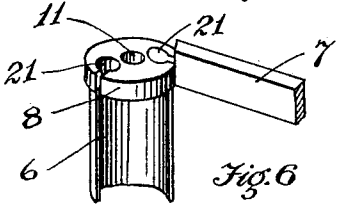


Fig. 6

Witnesses

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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C

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FOLDING CRIB AND PLAY-PEN.

1,105,156. Specification of Letters Patent. Patented July 28, 1914.

Application filed January 31, 1914. Serial No. 815,755.

To all whom it may concern:

Be it known that I, JAMES EDWIN OLIPHANT, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Folding Cribs and Play-Pens, of which the following is a specification.

This invention is a folding crib and play pen suitable for the confinement of small children, and has for its object to provide an improved folding device of the kind stated which when not in use can be stored in a small space, and which can be readily set up or taken down without disconnecting any loose parts.

A further object of the invention is to provide a device which can be mounted upon and attached to a bed for the purpose of keeping a child in bed.

Improvement and advantages will also be apparent with respect to the corner post construction embodied in the crib.

In the accompanying drawings: Figure 1 is a perspective view of the pen or crib set up; Fig. 2 is a top view of the same, collapsed; Fig. 3 is a detail view of the top of one of the posts; Fig. 4 is a perspective view of the upper portion of one of the posts with the side bars in position for folding; Fig. 5 is a detail in perspective of a cap which fits on top of a post; Fig. 6 is a detail in perspective of the top of a post, with one side bar fastened in position; Fig. 7 is a detail in perspective of one of the posts.

Referring specifically to the drawings, 6 indicates the four posts of the pen, conveniently made of pressed metal tubular or substantially so, in cross section. The lower ends of the posts are slightly flared outwardly to give greater stability. These posts are connected by four bars 7, to form a rectangular pen. These bars may be made of wood or other material. The top of each post is provided with a head 8 fixed thereto, this head has a central hole 11 and two side recesses or mortises 21 which are dove-tailed or undercut, to receive correspondingly shaped tenons 7^a at the ends of the side and end bars 7, whereby these bars may be locked to the corner posts. A cap 9 fits or rests on each head 8, and is provided with a stud 10 at the center which fits in the hole 11 in the head. This cap 9 also has a mortise 11^a corresponding with one of the mortises 21 in the head, and the pin 10 forms a pivot which enables the cap 9 to turn on the head, to swing the end bars to paralellism with the side bars, when the pen is collapsed, as shown in Fig. 2. The tenon 7^a at the end of the end bars 7 is of such length or depth that it will engage both the mortise 21 in the head 8 and the mortise 11^a in the cap 9, and when so engaged it locks the head and cap against relative rotation and holds the arms at a right angle to each other.

The ends of the pen are formed by cloth 12, such as canvas or the like, each sheet having a sleeve or casing 12^a which is slipped over the end posts, and snap fasteners 126 by which it is attached to the end bars. The sides of the pen are also made of similar pieces of fabric, one side having a wire netting 13 set in, so that a small child can look out. The other side may have a pocket 15 for containing small articles. At two corners, the pen is provided with straps 14, whereby it may be attached to the corner posts of a bed or the like.

To collapse the device, the end bars 7 are pulled up to disengage the tenons 7^a from the mortises 21 and 11^a at one end, and from the mortise 21 at the other end. The fabric will yield sufficiently for this purpose. Part of the snap fasteners are then disengaged. Then the detached ends are swung around to parallelism with the side bars, as shown in Fig. 2, the other ends turning the cap 9 on the pivot 10. The end pieces 12 will then fold in between the sides. The pen has a bottom made of canvas or foldable fabric, and when the pen is collapsed, the bottom will fold up between the sides and the pen will be collapsed. To set up the pen the end pieces are swung out and their tenons are engaged in the mortises in the head and cap, which distends the sides and the device is ready for use.

The invention is not limited to the exact structure shown and described, but modifications may be made in various particulars within the scope thereof.

What I claim as new is:

1. A folding crib having corner posts, and side and end bars, each end bar having a pivotal connection at one end with a post and a detachable connection at the other end with another post, said pivotal connection including means to lock the bar in position when the crib is set up.

2. A folding crib having corner posts, spacing side and end bars extending be-

tween the posts, and foldable end pieces, each end bar being pivotally connected to a post at one end and detachably connected to another post at the other end, and a foldable bottom attached to the side and end pieces.

3. A folding crib having corner posts and side and end bars therebetween, each post having a head with a mortise and a pivoted cap thereon with a corresponding mortise, and each end bar having a tenon at each end adapted to fit in said mortises and disengageable from the mortise in the head, at one end, to permit the bar to be swung to parallelism with a side bar.

4. A folding crib having corner posts and side and end bars therebetween, each post having a head with mortises therein, and a cap pivoted to the head and having a mortise corresponding to one of said mortises, each side bar having at each end a tenon fitting in one of the mortises in each head, and each end bar having at each end a tenon detachably fitting in the mortises in the head and the cap.

5. A folding crib having corner posts provided at the heads thereof with vertical mortises, side and end bars having vertical tenons fitting in said mortises, the tenons at the ends of one set of bars being removable from the mortises to permit them to be folded parallel to the other set of bars, and flexible side and end pieces attached to said posts and bars.

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

JAMES EDWIN OLIPHANT.

Witnesses:

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F. M. TAGGETT.

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