

Aug. 28, 1934.

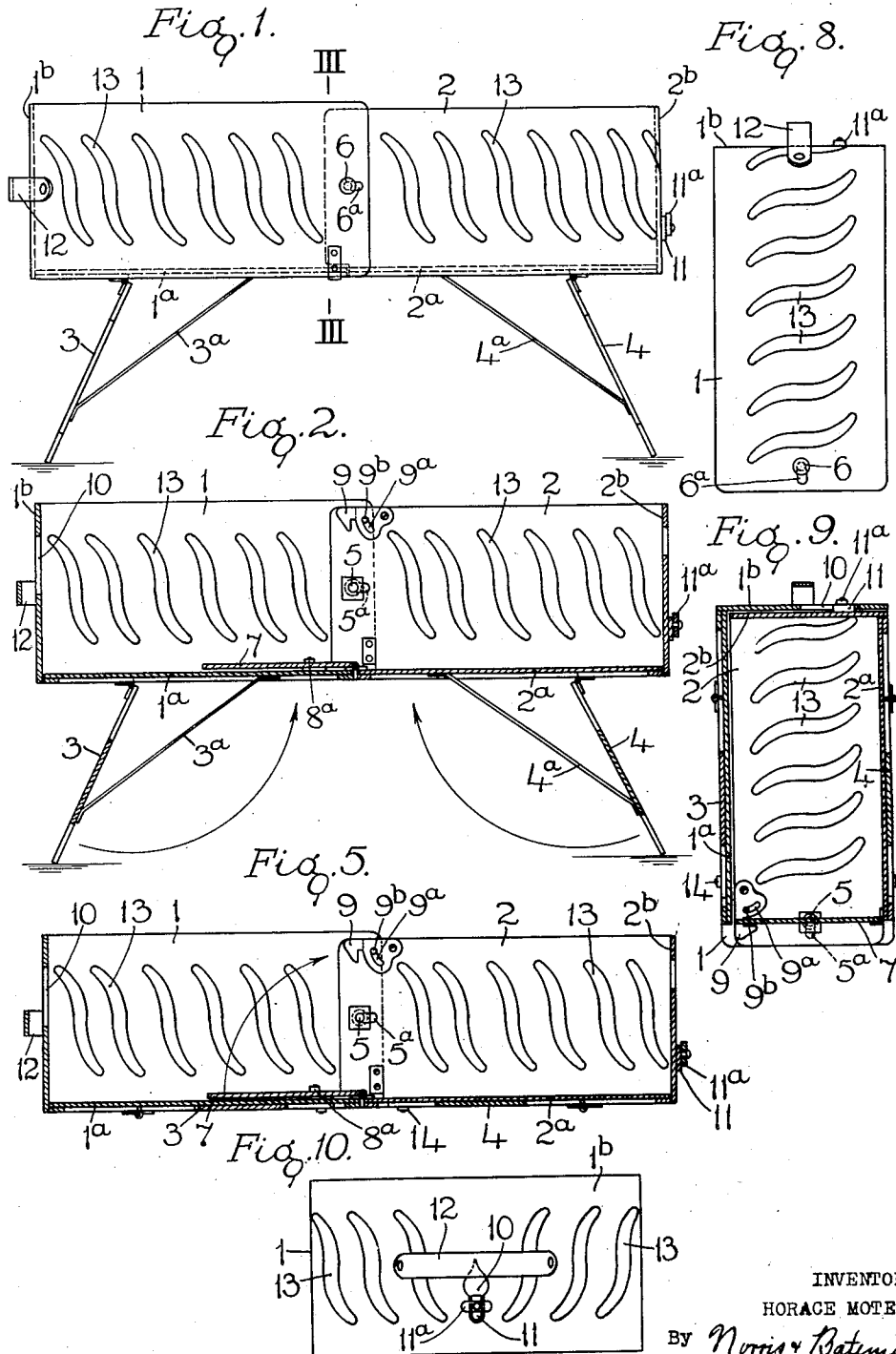
H. MOTE

1,972,027

COT, CRADLE, AND THE LIKE

Filed April 2, 1934

2 Sheets-Sheet 1



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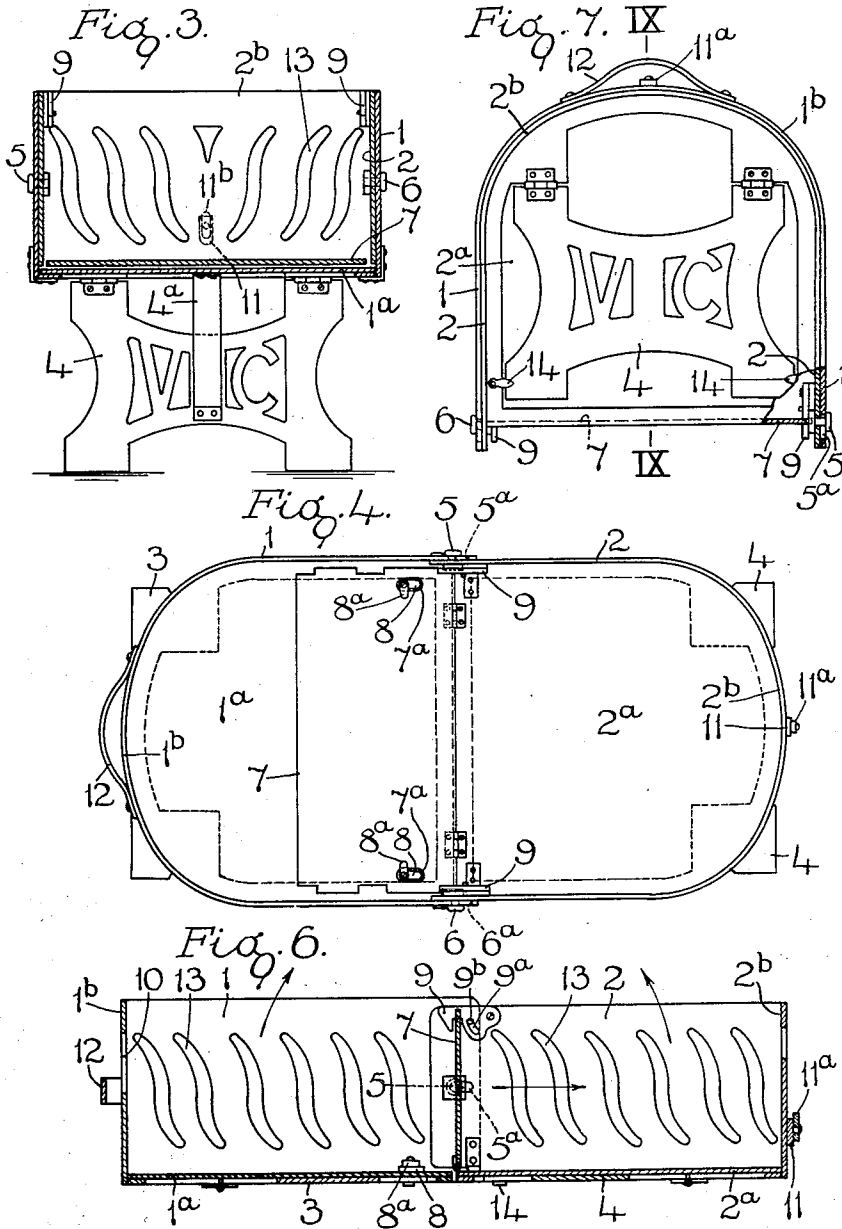
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UNITED STATES PATENT OFFICE

1,972,027

COT, CRADLE, AND THE LIKE

Horace Mote, London, England

Application April 2, 1934, Serial No. 718,707

In Great Britain October 15, 1932

3 Claims. (Cl. 5-99)

This invention relates to children's cots, cradles and the like, and has for its object to construct such an article whereby it can be easily folded for ease in transit, and can in some cases be also used as a container for the bed clothes or other articles when travelling.

According to this invention, the cot or cradle is constructed from two or more members hingedly or pivotally connected together whereby the members can be opened out on the hinges or pivots to form a cot or cradle, or folded one within the other to occupy a comparatively small space for transit.

The invention will be clearly understood from the following description aided by the accompanying drawings showing one example of carrying the invention into effect, and in which:

Figure 1 is a side view of the preferred construction of cot in the open position.

Figure 2 is a side sectional view.

Figure 3 is a cross sectional view on the line III, III of Figure 1.

Figure 4 is a plan view of Figure 1.

Figure 5 is a side sectional view with the legs folded and,

Figure 6 is a similar view of the cot ready to be closed.

Figure 7 is an end view of the cot in the closed condition.

Figure 8 is a side view.

Figure 9 is a section on the line IX, IX of Figure 7, and

Figure 10 is a plan view of the cot closed.

The invention can be carried into effect in a variety of ways, and as one simple example, and as shown on the accompanying drawings, the cot is constructed of two members 1, 2. One member 1 consists of a bottom board 1^a provided with side walls and one end wall 1^b, the end wall and the end of the bottom board being preferably curved. To the underside of the bottom board 1^a is hingedly connected a support or legs 3 which can be folded outwards or closed to lay flat on the bottom or in a recess 1^c formed in the bottom 1^a, a tape or strut 3^a being provided to limit the outward movement of the support 3. The other member 2 is of similar construction having a bottom board 2^a, side and end walls 2^b and support 4 and tapes 4^a, but is slightly narrower in width and depth, so that its open end can be positioned just inside the open end of the other member 2, and such members 1, 2 are pivotally and slidably connected together at their overlapping portions by pivot pins 5, 6, secured to the side walls 2^a of the member 2 and engag-

ing in slots 5^a, 6^a in the side walls 1^a of the member 1.

Means of any suitable kind are provided for holding the members 1, 2 rigid when in the open position, and one convenient means consists in attaching to the open end of the smaller member 1, a flap 7 which is hingedly connected to the bottom board 2^a, such flap 7 being provided with apertures 7^a which, when the flap 7 is in the horizontal plane, can engage over blocks 8 secured to the bottom board 1^a, the blocks 8 being provided with turn-buttons 8^a. On the inside of each side wall 2^b and near the open end are pivotally connected hook members 9 each provided with a slot 9^a working over a limiting stop pin 9^b.

The end wall 1^b of the member 1 is provided with an aperture 10 and the end wall 2^b of the member 2 with a block 11 carrying a turn-button 11^a, a carrying handle 12 being provided on the end wall 1^b of the member 1.

13 are openings which may be formed in the side walls 1^b, 2^b for ornamentation, and for reducing the weight of the article.

For use as a cot the members 1, 2 are opened out on the pivots 5, 6 so that the bottom boards 1^a, 2^a are in the same plane, and the flap 7 folded down on to the bottom board 1^a for the apertures 7^a to engage over the blocks 8, when by turning the turn-buttons 8^a the two members will be rigidly held in the open position. Suitable bed clothes can be placed in the cot and in this position it is suitable for use as a cot when placed directly on the floor or other flat surface, such as the seat of a vehicle or the like, but when desired the legs 3, 4 can be opened outwards to the extent allowed by the tapes or struts 3^a, 4^a so as to support the cot at a distance above the floor or supporting surface.

To fold the cot for transit, the bed clothes are removed and the legs 3, 4 folded back into the recesses 1^c, 2^c and secured in place by turn-buttons 14, the flap 7 is disengaged from the turn-buttons 8^a and folded upwards and the top edge engaged by the hook members 9 as will be understood from Figure 6. Now on sliding the members 1, 2 apart within the limits of the slots 5^a, 6^a the members 1, 2 can be swung round on the pivots 5, 6 for the member 2 to be positioned inside the member 1, and by engaging the aperture 10 over the block 11 and turning the turn-button 11^a, the two members 1, 2 can be locked together. The flap 7 forms an end wall to the member 2 for converting same into a box for receiving bed clothes or other articles, and the

member 1 acts as a lid when folded over to enclose the member 2 as will be seen in Figure 9.

The side and end walls of the cot are preferably provided with a detachable lining of fabric which may be secured in place by hooks or clips engaging over the edges of the walls, or may be provided with elastic or other means for engaging over the top edge of the cot when open.

Various other constructions or modifications can be employed without departing from the spirit of the invention which consists in constructing a cot or cradle from two or more members hingedly or pivotally connected together and a carrying handle may be secured to one of the members.

What I do claim as my invention and desire to obtain by Letters Patent is:—

1. A cot comprising two members, each consisting of a bottom board, side walls and one end wall closing one of its ends, its other end being open, one of said members being narrower in width than the other member and having its open end positioned immediately within the open end of the other member, means pivotally connecting together the open ends of said members for relative swinging movements about a transverse axis into endwise relation to form a cot, and into folded relation to engage one inside the other for transit, and retaining means for holding said members rigidly in said endwise relation, said retaining means forming a closure for the open end of one member when said members are in folded relation.

2. A cot comprising two members, each consisting of a bottom board, side walls and one end wall closing one of its ends, its other end

being open, one member being narrower in width than the other member and having its open end positioned immediately within the open end of the other member, means connecting said members for pivotal and longitudinally slidable relative movements, a flap hinged to the open end of one member and swingable into a position to close the open end thereof or into extended position in the open end of the other member, means cooperative with said flap while extended into the open end of the other member to hold the two members rigidly in endwise relation, and means cooperative with said flap to hold it in a position to form a closure for the open end of the member to which it is hinged.

3. A cot comprising a pair of box-like members each open at one end and at the top, one member being smaller transversely than the other member and having its open end located within the open end of the other member, pivots connecting the sides of said members adjacent to their open ends and permitting said members to swing into end-to-end relation and into folded relation, a flap hinged to the open end of one of said members and swingable into a position to close its open end and into an extended position to project into the open end of the other member, latches on the member to which the flap is hinged for holding the flap in said position to close the open end of said member, and means on the other member to cooperate with the flap when the latter is in extended position and thereby hold said members rigidly in end-to-end relation.

HORACE MOTE.