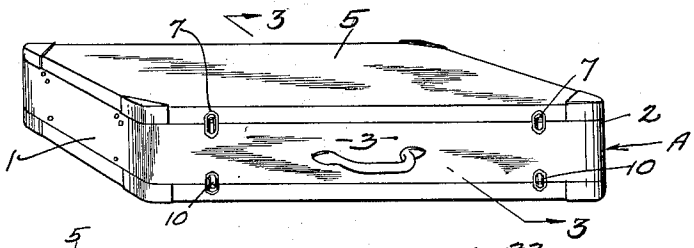
July 11, 1950 C. IRVING 2,514,644

COLLAPSIBLE BABY BED AND CASE

Filed Feb. 2, 1946

Fig. 1



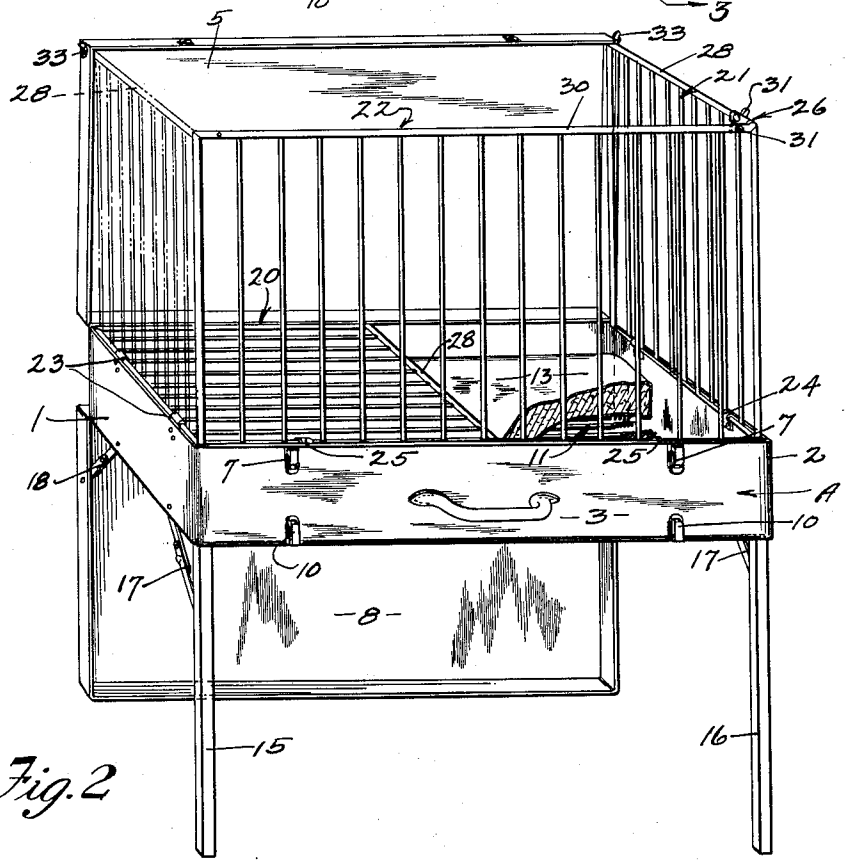


Fig. 2

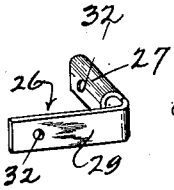


Fig. 4

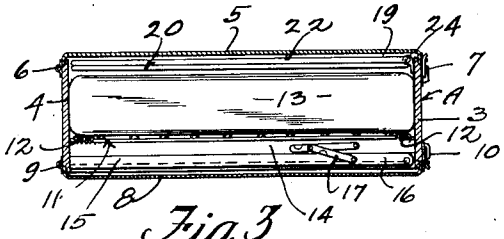


Fig. 3

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Patented July 11, 1950 2,514,644

UNITED STATES PATENT OFFICE

2,514,644

COLLAPSIBLE BABY BED AND CASE

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Application February 2, 1946, Serial No. 645,076

4 Claims. (Cl. 5—99)

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I contemplate the provision of a collapsible infant's bed or crib which, when collapsed and the parts thereof are folded together, may be contained in a suitable case and transported from place to place without undue bulkiness or weight. I am aware that other collapsible structures for the same purpose have been heretofore used, but it is an object of this invention to provide a collapsible bed for infants which, when sections thereof are properly folded together, will occupy a minimum of space so that the bed or crib may be readily and conveniently carried by a mother for use on a public carrier, such as a train or bus, or in a private automobile.

A particular object is to provide a structure which, when collapsed, will be in the form of a carrying case within which all of the portions thereof, including the bedding, will be housed, and when extended for use may employ certain portions of the case for operatively supporting the bed.

Accordingly, I provide a case which has openable top and bottom sections between which the two ends and a side of the bed are foldably housed together with a mattress and bedding and at least a pair of foldable legs, so that when the case is opened the top may form one wall of the bed, the bottom will form a support for one side of the bed, the legs will form a support for the opposite side of the bed, and the ends and side will provide a protecting enclosure when combined with the opened top of the case and suitably connected at intersections, for preventing the dislodgement of an infant from the bed or crib.

Another object is to provide suitable latches and connections between the several portions of the case and bed for locking the parts in operative positions and for unlocking the same when it may be desired to collapse the bed into and close the containing case. Other objects will appear as the description progresses.

I have shown a preferred embodiment of my invention in the accompanying drawing, subject to modification, within the scope of the appended claims, without departing from the spirit of the invention.

In said drawing:

Fig. 1 is a perspective view of my improved bed as when collapsed and folded within a suitable case by means of which it may be transported from one place to another;

Fig. 2 is a perspective view of the same, as when the parts thereof are unfolded and extended to operative position and suitably attached at intersections and joints;

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Fig. 3 is a sectional view on line 3—3 of Fig. 1; and

Fig. 4 is a perspective view of a suitable connector for the sides of the bed when extended as shown in Fig. 2.

Referring to Fig. 1, it will be observed that a case A of reasonably shallow cross section is provided within which all of the foldable parts of the bed and the bedding are adapted to be enclosed when the bed is not in use. Said case has a rectangular body which is open at the bottom and the top and includes ends 1 and 2, a front 3, a back 4, a top 5 hinged at 6 to back 4 and attachable to front 3 as by means of suitable clasps or locks 7, and a bottom 8 hinged at points 9 to back 4 and attachable to front 3 by similar clasps 10.

A spring 11 is attached at its margins to the ends, front and back of case A, or at least to the ends or sides of the case by suitable connections as at 12, so as to be disposed in a horizontal plane near the bottom 8, and a mattress 13 is carried by said spring. Thus, there remains a space 14 between the spring 11 and the bottom 8 within which a pair of legs 15 and 16 may be folded when the bed is collapsed in the case. Said legs are preferably of such a length that they may fold upwardly into the case and seat at the ends of space 14 and therefore are slightly shorter than the width of case A. Said legs are of the same general character as the legs of conventional card tables and are hinged to the case just inside of the front 3 and are held extended for use as by means of conventional toggle braces 17. Similarly the bottom 8 when extended to the position shown in Fig. 2 is held extended by means of toggle braces 18. Thus, the legs 15 and 16 and the bottom 8 serve to support the bed in position for use.

As shown in Fig. 3, case A has a space 19 above the mattress 13 which is of sufficient depth to receive and nest foldable end guards 20 and 21 and a front guard 22 which are adapted to fold downwardly over mattress 13 into space 19 and inside of top 5 when the bed is collapsed. Guards 20 and 21 are hinged, respectively, to the upper edges of ends 1 and 2 at points 23 and 24 while guard 22 is hinged to the upper edge of front 3 at points 25. Guards 20 and 21 when folded in the case occupy the same plane and guard 22 folds downwardly thereover in a slightly higher plane, as shown in Fig. 3.

Suitable connectors 26 may be employed for connecting the adjacent ends of guards 20 and 21 with guard 22 and may include right angular

parts as shown in Fig. 4 with a channelled portion 27 adapted to overlie rails 28 of guards 20 and 21 and similar or different portions 29 adapted to overlie or abut a rail 30 of guard 22 so that when screws 31 are extended through apertures 32 of the connectors and also through corresponding apertures in the rails 28, or even abut rails 28 and 30, the guards will be held against displacement from operative position. The ends of rails 28 may be attached to top 5, as shown in Fig. 2, as by means of screws 33.

It is apparent that when case A is opened and the top 5 is swung upwardly into vertical position, the bottom 8 swung downwardly into vertical position, the legs 15 and 16 swung downwardly, and the guards 20, 21 and 22 are swung upwardly into positions shown in Fig. 2, and said guards are connected with each other and with the top 5, the bed will be completely extended for use and the top will form a back guard while the bottom 8 forms a side support for the bed. Reversely, when the guards are detached from each other and from the top they may be readily folded into horizontal positions in the case A above mattress 13, after which the top 5 may be swung downwardly and latched. Then the legs 15 and 16 are folded into the case and the bottom is locked, following which operation the collapsed bed is in readiness for transportation to another place of use.

I claim:

1. A collapsible bed for infants comprising: a rectangular frame, a top hinged to one upper side of said frame, guards hinged to the remaining upper sides of said frame adapted to form an enclosure above the frame in cooperation with said top when folded upwardly into vertical planes, a bottom hinged to one lower side of the frame, and legs hinged to the frame opposite to the bottom, said legs and bottom forming a support of the frame when folded downwardly into vertical planes.

2. A collapsible bed for infants as characterized in claim 1 and in addition provided with a spring within the frame attached to the latter between the upper and lower borders of said frame, said spring being adapted to carry a mattress, said frame being so dimensioned that the spaces between the mattress and the upper border of the frame, and between the spring and the lower border of the frame, are adapted to receive the guards and legs when the same are folded into the frame.

3. In a collapsible bed for infants as characterized in claim 1, disconnectable joints between adjacent guards and between the top and adjacent guards effective to prevent the top and the guards being folded down when the same had been turned upwardly so as to form the enclosure.

4. In a collapsible bed for infants as characterized in claim 1, locking means between the frame and the bottom and between the frame and the legs preventing the same from being folded upwardly when in supporting position.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
240,057	Waldecker	Apr. 12, 1881
274,982	Shepard	Apr. 3, 1883
818,106	Morse	Apr. 17, 1906
1,365,139	Winitowy	Jan. 11, 1921
1,525,572	Dodd	Feb. 10, 1925

FOREIGN PATENTS

Number	Country	Date
382,587	Great Britain	Oct. 27, 1932